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Record 1 of 50

Title: Theoretical investigation of the structural, magnetic and band structure characteristics of Co₂FeGe_{1-x}Si_x (x=0, 0.5, 1) full-Heusler alloys
Author(s): Amari, S (Amari, S.); Dahmane, F (Dahmane, F.); Bin Omran, S (Bin Omran, S.); Doumi, B (Doumi, B.); Yahiaoui, IE (Yahiaoui, I. E.); Tadjer, A (Tadjer, A.); Khenata, R (Khenata, R.)
Source: JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 69 **Issue:** 9 **Pages:** 1462-1468 **DOI:** 10.3938/jkps.69.1462 **Published:** NOV 2016
Accession Number: WOS:000388641600009
ISSN: 0374-4884
eISSN: 1976-8524

Record 2 of 50

Title: Investigating the Structural, Thermal, and Electronic Properties of the Zircon-Type ZrSiO₄, ZrGeO₄ and HfSiO₄ Compounds
Author(s): Chiker, F (Chiker, Fafa); Boukabrine, F (Boukabrine, Fatiha); Khachai, H (Khachai, H.); Khenata, R (Khenata, R.); Mathieu, C (Mathieu, C.); Bin Omran, S (Bin Omran, S.); Syrotyuk, SV (Syrotyuk, S. V.); Ahmed, WK (Ahmed, W. K.); Murtaza, G (Murtaza, G.)
Source: JOURNAL OF ELECTRONIC MATERIALS **Volume:** 45 **Issue:** 11 **Pages:** 5811-5821 **DOI:** 10.1007/s11664-016-4767-z **Published:** NOV 2016
Accession Number: WOS:000385021300040
ISSN: 0361-5235
eISSN: 1543-186X

Record 3 of 50

Title: Optoelectronic and thermoelectric properties of Zintl YLi₃A₂ (A = Sb, Bi) compounds through modified Becke-Johnson potential
Author(s): Seddik, T (Seddik, T.); Ugur, G (Ugur, G.); Khenata, R (Khenata, R.); Ugur, S (Ugur, S.); Soyalp, F (Soyalp, F.); Murtaza, G (Murtaza, G.); Rai, DP (Rai, D. P.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.)
Source: CHINESE PHYSICS B **Volume:** 25 **Issue:** 10 **Article Number:** 107801 **DOI:** 10.1088/1674-1056/25/10/107801 **Published:** OCT 2016
Accession Number: WOS:000384227700066
Author Identifiers:

Author	ResearcherID Number	ORCID Number
Ugur, Gokay	B-6223-2016	0000-0003-4764-4113
Ugur, Sule	B-6230-2016	0000-0001-6710-8815

ISSN: 1674-1056
eISSN: 1741-4199

Record 4 of 50

Title: Prediction of phase transition, mechanical and electronic properties of inverse Heusler compound Y₂RuPb, via FP-LMTO method
Author(s): Labair, M (Labair, M.); Rached, H (Rached, H.); Rached, D (Rached, D.); Benalia, S (Benalia, S.); Abidri, B (Abidri, B.); Khenata, R (Khenata, R.); Ahmed, R (Ahmed, R.); Bin Omran, S (Bin Omran, S.); Bouhemadou, A (Bouhemadou, A.); Syrotyuk, SV (Syrotyuk, S. V.)
Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS C **Volume:** 27 **Issue:** 9 **Article Number:** 1650107 **DOI:** 10.1142/S0129183116501072 **Published:** SEP 2016
Accession Number: WOS:000382829400011
ISSN: 0129-1831
eISSN: 1793-6586

Record 5 of 50

Title: Phase-transition character in (Ba-0.50,Sr-0.50)TiO₃ nanodots from first principles
Author(s): Bin-Omran, S (Bin-Omran, S.)
Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 674 **Pages:** 82-88 **DOI:** 10.1016/j.jallcom.2016.03.038 **Published:** JUL 25 2016
Accession Number: WOS:000373612500012
Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0925-8388
eISSN: 1873-4669

Record 6 of 50

Title: First Principles Investigation of the Elastic, Optoelectronic and Thermal Properties of XRuSb (X = V, Nb, Ta) Semi-Heusler Compounds Using the mBJ Exchange Potential
Author(s): Bencherif, K (Bencherif, K.); Yakoubi, A (Yakoubi, A.); Della, N (Della, N.); Abid, OM (Abid, O. Miloud); Khachai, H (Khachai, H.); Ahmed, R (Ahmed, R.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Gupta, SK (Gupta, S. K.); Murtaza, G (Murtaza, G.)
Source: JOURNAL OF ELECTRONIC MATERIALS **Volume:** 45 **Issue:** 7 **Pages:** 3479-3490 **DOI:** 10.1007/s11664-016-4488-3 **Published:** JUL 2016
Accession Number: WOS:000377434100032
Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0361-5235
eISSN: 1543-186X

Record 7 of 50

Title: Structural, half-metallic magnetism and elastic properties of the KMnQ₂ (Q=O, S, Se, Te) chalcogenides from first-principles calculations
Author(s): Benmakhlof, A (Benmakhlof, A.); Bentabet, A (Bentabet, A.); Bouhemadou, A (Bouhemadou, A.); Maabed, S (Maabed, S.); Benghia, A (Benghia, A.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 408 **Pages:** 199-205 **DOI:** 10.1016/j.jmmm.2016.02.058 **Published:** JUN 15 2016

Accession Number: WOS:000372319900030

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0304-8853

eISSN: 1873-4766

Record 8 of 50

Title: Structural, electronic and magnetic properties of Fe-2-based full Heusler alloys: A first principle study

Author(s): Dahmane, F (Dahmane, F.); Mogulkoc, Y (Mogulkoc, Y.); Doumi, B (Doumi, B.); Tadjer, A (Tadjer, A.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Rai, DP (Rai, D. P.); Murtaza, G (Murtaza, G.); Varshney, D (Varshney, Dinesh)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 407 **Pages:** 167-174 **DOI:** 10.1016/j.jmmm.2016.01.074 **Published:** JUN 1 2016

Accession Number: WOS:000370854400026

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Doumi, Bendouma	D-9097-2015	0000-0003-1563-8587
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0304-8853

eISSN: 1873-4766

Record 9 of 50

Title: GGA plus U and mBJ plus U study of the optoelectronic, magnetic and thermoelectric properties of the SmAlO₃ compound with spin-orbit coupling

Author(s): Chettri, S (Chettri, Sandeep); Rai, DP (Rai, D. P.); Shankar, A (Shankar, A.); Khenata, R (Khenata, R.); Ghimire, MP (Ghimire, M. P.); Thapa, RK (Thapa, R. K.); Bin Omran, S (Bin Omran, S.)

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 30 **Issue:** 12 **Article Number:** 1650078 **DOI:** 10.1142/S0217979216500788 **Published:** MAY 10 2016

Accession Number: WOS:000376586400006

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0217-9792

eISSN: 1793-6578

Record 10 of 50

Title: Structural, electronic, elastic, thermoelectric and thermodynamic properties of the NbMSb half heusler (M=Fe, Ru, Os) compounds with first principle calculations

Author(s): Abid, OM (Abid, O. Miloud); Menouer, S (Menouer, S.); Yakoubi, A (Yakoubi, A.); Khachai, H (Khachai, H.); Bin Omran, S (Bin Omran, S.); Murtaza, G (Murtaza, G.); Prakash, D (Prakash, Deo); Khenata, R (Khenata, R.); Verma, KD (Verma, K. D.)

Source: SUPERLATTICES AND MICROSTRUCTURES **Volume:** 93 **Pages:** 171-185 **DOI:** 10.1016/j.spmi.2016.01.001 **Published:** MAY 2016

Accession Number: WOS:000376213000022

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Prakash, Deo	O-9722-2015	0000-0003-3729-683X

ISSN: 0749-6036

Record 11 of 50

Title: Combined theoretical studies of the optical characteristics of II-IV-V-2 semiconductor thin films

Author(s): Boukabrine, F (Boukabrine, F.); Chiker, F (Chiker, F.); Miloua, R (Miloua, R.); Kebbab, Z (Kebbab, Z.); Khenata, R (Khenata, R.); Prakash, D (Prakash, Deo); Bin Omran, S (Bin Omran, S.); Verma, KD (Verma, K. D.)

Source: OPTICAL MATERIALS **Volume:** 54 **Pages:** 200-206 **DOI:** 10.1016/j.optmat.2016.01.061 **Published:** APR 2016

Accession Number: WOS:000373866400032

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Prakash, Deo	O-9722-2015	0000-0003-3729-683X

ISSN: 0925-3467

eISSN: 1873-1252

Record 12 of 50

Title: Half-metallicity and optoelectronic properties of V-doped zincblende ZnS and CdS alloys

Author(s): Monir, MEA (Monir, Mohammed El Amine); Baltache, H (Baltache, H.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Ahmed, R (Ahmed, R.); Ahmed, WK (Ahmed, Waleed. K.); Bin Omran, S (Bin Omran, S.); Bouhemadou, A (Bouhemadou, A.)

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 30 **Issue:** 8 **Article Number:** 1650034 **DOI:** 10.1142/S021797921650034X **Published:** MAR 30 2016

Accession Number: WOS:000373926800001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Ahmed, Waleed	H-1400-2013	0000-0002-8294-0981

ISSN: 0217-9792

eISSN: 1793-6578

Record 13 of 50**Title:** Vibrational, mechanical and thermodynamical properties of indium thiospinels MIn_2S_4 ($M = Cd, Zn$ and Mg)**Author(s):** Kushwaha, AK (Kushwaha, A. K.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 30 **Issue:** 6 **Article Number:** 1650018 **DOI:** 10.1142/S0217979216500181 **Published:** MAR 10 2016**Accession Number:** WOS:000372549000003**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0217-9792

eISSN: 1793-6578

Record 14 of 50**Title:** Structural stability, electronic structure and magnetic properties of the new hypothetical half-metallic ferromagnetic full-Heusler alloy $CoNiMnSi$ **Author(s):** Elahmar, MH (Elahmar, M. H.); Rached, H (Rached, H.); Rached, D (Rached, D.); Benalia, S (Benalia, S.); Khenata, R (Khenata, R.); Biskri, ZE (Biskri, Z. E.); Bin Omran, S (Bin Omran, S.)**Source:** MATERIALS SCIENCE-POLAND **Volume:** 34 **Issue:** 1 **Pages:** 85-93 **DOI:** 10.1515/msp-2016-0011 **Published:** MAR 2016**Accession Number:** WOS:000375745600013**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 2083-134X

Record 15 of 50**Title:** Electronic structure and optical properties of $(BeTe)_n/(ZnSe)_m$ superlattices**Author(s):** Caid, M (Caid, M.); Rached, H (Rached, H.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Vashney, D (Vashney, D.); Abidri, B (Abidri, B.); Benkhetou, N (Benkhetou, N.); Chahed, A (Chahed, A.); Benhellal, O (Benhellal, O.)**Source:** MATERIALS SCIENCE-POLAND **Volume:** 34 **Issue:** 1 **Pages:** 115-125 **DOI:** 10.1515/msp-2016-0004 **Published:** MAR 2016**Accession Number:** WOS:000375745600016**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 2083-134X

Record 16 of 50**Title:** Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of $Co(2)MnZ$ ($Z = Al, Ge, Si, Ga$) Full-Heusler Compounds**Author(s):** Dahmane, F (Dahmane, F.); Doumi, B (Doumi, B.); Mogulkoc, Y (Mogulkoc, Y.); Tadjer, A (Tadjer, A.); Prakash, D (Prakash, D.); Verma, KD (Verma, K. D.); Varshney, D (Varshney, Dinesh); Ghebouli, MA (Ghebouli, M. A.); Bin Omran, S (Bin Omran, S.); Khenata, R (Khenata, R.)**Source:** JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM **Volume:** 29 **Issue:** 3 **Pages:** 809-817 **DOI:** 10.1007/s10948-015-3357-2 **Published:** MAR 2016**Accession Number:** WOS:000371089500049**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Doumi, Bendouma	D-9097-2015	0000-0003-1563-8587
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Prakash, Deo	O-9722-2015	0000-0003-3729-683X

ISSN: 1557-1939

eISSN: 1557-1947

Record 17 of 50**Title:** Electronic, optical and thermoelectric properties of $XNMg_3$ ($X=P, As, Sb, Si$) compounds**Author(s):** Basit, A (Basit, Abdul); Khan, SA (Khan, Saleem Ayaz); Murtaza, G (Murtaza, G.); Mehmood, A (Mehmood, Asif); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Yaseen, M (Yaseen, M.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 43 **Pages:** 69-74 **DOI:** 10.1016/j.mssp.2015.12.001 **Published:** MAR 1 2016**Accession Number:** WOS:000370093200011**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1369-8001

eISSN: 1873-4081

Record 18 of 50

Title: Structural, electronic, bonding and thermo-elastic properties of orthorhombic and cubic CeO₂ compound

Author(s): Bendjedid, A (Bendjedid, A.); Baltache, H (Baltache, H.); Ouahrani, T (Ouahrani, T.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Al-Douri, Y (Al-Douri, Y.); Bin Omran, S (Bin Omran, S.); Rached, D (Rached, D.); Benalia, S (Benalia, S.)

Source: CHINESE JOURNAL OF PHYSICS **Volume:** 54 **Issue:** 1 **Pages:** 1-11 **DOI:** 10.1016/j.cjph.2016.02.001 **Published:** FEB 2016

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Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0577-9073

Record 19 of 50

Title: An ab initio study of the structural, elastic, electronic, optical properties and phonons of the double perovskite oxides Sr₂AlXO₆ (X=Ta, Nb, V)

Author(s): Ghebouli, B (Ghebouli, B.); Ghebouli, MA (Ghebouli, M. A.); Choutri, H (Choutri, H.); Fatmi, M (Fatmi, M.); Chihi, T (Chihi, T.); Louail, L (Louail, L.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Khenata, R (Khenata, R.); Khachai, H (Khachai, H.)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 42 **Pages:** 405-412 **DOI:** 10.1016/j.mssp.2015.09.026 **Part:** 3 **Published:** FEB 2016

Accession Number: WOS:000367638400019

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1369-8001

eISSN: 1873-4081

Record 20 of 50

Title: Direct band gap nature and optical response of Be_xMg_yZn_{1-(x+y)}Se

Author(s): Naemullah (Naemullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)

Source: MODERN PHYSICS LETTERS B **Volume:** 30 **Issue:** 3 **Article Number:** 1650007 **DOI:** 10.1142/S021798491650007X **Published:** JAN 30 2016

Accession Number: WOS:000369705600007

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0217-9849

eISSN: 1793-6640

Record 21 of 50

Title: Wang-Landau Monte Carlo formalism applied to ferroelectrics

Author(s): Bin-Omran, S (Bin-Omran, S.); Kornev, IA (Kornev, Igor A.); Bellaiche, L (Bellaiche, L.)

Source: PHYSICAL REVIEW B **Volume:** 93 **Issue:** 1 **Article Number:** 014104 **DOI:** 10.1103/PhysRevB.93.014104 **Published:** JAN 21 2016

Accession Number: WOS:000368481800001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Kornev, Igor	H-6918-2016	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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eISSN: 1550-235X

Record 22 of 50

Title: Structural, electronic, optical and elastic properties of the complex K₂PtCl₆-structure hydrides ARuH(6) (A = Mg, Ca, Sr and Ba): first-principles study

Author(s): Boudrifa, O (Boudrifa, O.); Bouhemadou, A (Bouhemadou, A.); Ugur, S (Ugur, S.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.); Al-Douri, Y (Al-Douri, Y.)

Source: PHILOSOPHICAL MAGAZINE **Volume:** 96 **Issue:** 22 **Pages:** 2328-2361 **DOI:** 10.1080/14786435.2016.1198874 **Published:** 2016

Accession Number: WOS:000380160400003

Author Identifiers:

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Ugur, Sule	B-6230-2016	0000-0001-6710-8815

ISSN: 1478-6435

eISSN: 1478-6443

Record 23 of 50

Title: Structural, elastic and thermodynamic properties of tetragonal and orthorhombic polymorphs of Sr₂GeN₂: an ab initio investigation

Author(s): Bedjaoui, A (Bedjaoui, A.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)

Source: HIGH PRESSURE RESEARCH **Volume:** 36 **Issue:** 2 **Pages:** 198-219 **DOI:** 10.1080/08957959.2016.1167202 **Published:** 2016

Accession Number: WOS:000378870400008

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0895-7959

eISSN: 1477-2299

Record 24 of 50**Title:** First-principles calculations of the structural, electronic, optical and thermal properties of the BNxAs1-x alloys**Author(s):** Hamioud, L (Hamioud, L.); Boumaza, A (Boumaza, A.); Touam, S (Touam, S.); Meradji, H (Meradji, H.); Ghemid, S (Ghemid, S.); Hassan, FE (Hassan, F. El Haj); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)**Source:** PHILOSOPHICAL MAGAZINE **Volume:** 96 **Issue:** 16 **Pages:** 1694-1711 **DOI:** 10.1080/14786435.2016.1177669 **Published:** 2016**Accession Number:** WOS:000375918800006**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1478-6435

eISSN: 1478-6443

Record 25 of 50**Title:** Elastic, Electronic, Optical and Thermal Properties of Na2Po: An Ab Initio Study**Author(s):** Baki, N (Baki, N.); Eithiraj, RD (Eithiraj, R. D.); Khachai, H (Khachai, H.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Bouhemadou, A (Bouhemadou, A.); Seddik, T (Seddik, T.); Bin-Omran, S (Bin-Omran, S.)**Source:** JOURNAL OF ELECTRONIC MATERIALS **Volume:** 45 **Issue:** 1 **Pages:** 435-443 **DOI:** 10.1007/s11664-015-4119-4 **Published:** JAN 2016**Accession Number:** WOS:000367467800052**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0361-5235

eISSN: 1543-186X

Record 26 of 50**Title:** Mechanical, electronic and thermodynamic properties of full Heusler compounds Fe2VX(X = Al, Ga)**Author(s):** Khalfā, M (Khalfā, M.); Khachai, H (Khachai, H.); Chiker, F (Chiker, F.); Baki, N (Baki, N.); Bougherara, K (Bougherara, K.); Yakoubi, A (Yakoubi, A.); Murtaza, G (Murtaza, G.); Harmel, M (Harmel, M.); Abu-Jafar, MS (Abu-Jafar, M. S.); Bin Omran, S (Bin Omran, S.); Khenata, R (Khenata, R.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 29 **Issue:** 31 **Article Number:** 1550229 **DOI:** 10.1142/S021797921550229X **Published:** DEC 20 2015**Accession Number:** WOS:000365797400009**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0217-9792

eISSN: 1793-6578

Record 27 of 50**Title:** GGA plus U study on phase transition, optoelectronic and magnetic properties of AmO2 with spin-orbit coupling**Author(s):** Bendjedid, A (Bendjedid, A.); Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Baltache, H (Baltache, H.); Murtaza, G (Murtaza, G.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.); Azam, S (Azam, Sikander); Khan, SA (Khan, Saleem Ayaz)**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 396 **Pages:** 190-197 **DOI:** 10.1010/j.jmmm.2015.08.020 **Published:** DEC 15 2015**Accession Number:** WOS:000360652700030**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0304-8853

eISSN: 1873-4766

Record 28 of 50**Title:** Half-metallic ferromagnetism in Be1-xVxTe alloys: an Ab-initio study**Author(s):** Monir, ME (Monir, M. El Amine); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Baltache, H (Baltache, H.); Bouhemadou, A (Bouhemadou, A.); Al-Douri, Y (Al-Douri, Y.); Azam, S (Azam, S.); Bin Omran, S (Bin Omran, S.); Din, HU (Din, H. Ud)**Source:** INDIAN JOURNAL OF PHYSICS **Volume:** 89 **Issue:** 12 **Pages:** 1251-1263 **DOI:** 10.1007/s12648-015-0696-6 **Published:** DEC 2015**Accession Number:** WOS:000368420700004**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0973-1458

eISSN: 0974-9845

Record 29 of 50**Title:** Ab Initio Investigation of the Structural, Electronic and Optical Properties of Cubic GaAs1-x P (x) Ternary Alloys Under Hydrostatic Pressure**Author(s):** Moussa, R (Moussa, R.); Abdiche, A (Abdiche, A.); Abbar, B (Abbar, B.); Guemou, M (Guemou, M.); Riane, R (Riane, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, Saad); Khenata, R (Khenata, R.); Soyalp, F (Soyalp, F.)**Source:** JOURNAL OF ELECTRONIC MATERIALS **Volume:** 44 **Issue:** 12 **Pages:** 4684-4699 **DOI:** 10.1007/s11664-015-4048-2 **Published:** DEC 2015**Accession Number:** WOS:000363978700005**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0361-5235

eISSN: 1543-186X

Record 30 of 50**Title:** Structural, elastic, electronic and optical properties of the quaternary nitridogallate LiCaGaN₂: First-principles study**Author(s):** Bouhemadou, A (Bouhemadou, A.); Haddadi, K (Haddadi, K.); Bin-Omran, S (Bin-Omran, S.); Khenata, R (Khenata, R.); Al-Douri, Y (Al-Douri, Y.); Maabed, S (Maabed, S.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 40 **Pages:** 64-76 **DOI:** 10.1016/j.mssp.2015.06.021 **Published:** DEC 2015**Accession Number:** WOS:000363344600009**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 31 of 50**Title:** First principles study of Mg₂X (X=Si, Ge, Sn, Pb): Elastic, optoelectronic and thermoelectric properties**Author(s):** Murtaza, G (Murtaza, G.); Sajid, A (Sajid, A.); Rizwan, M (Rizwan, M.); Takagiwa, Y (Takagiwa, Y.); Khachai, H (Khachai, H.); Jibrán, M (Jibrán, M.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 40 **Pages:** 429-435 **DOI:** 10.1016/j.mssp.2015.06.075 **Published:** DEC 2015**Accession Number:** WOS:000363344600060**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 32 of 50**Title:** A new type photodiode: p-Si/GaN pn junction in series with GaN/Ag Schottky diode**Author(s):** Yakuphanoglu, F (Yakuphanoglu, F.); Shokr, FS (Shokr, F. S.); Gupta, RK (Gupta, R. K.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Bin-Omran, S (Bin-Omran, S.); Al-Turki, Y (Al-Turki, Yusuf); El-Tantawy, F (El-Tantawy, Farid)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 650 **Pages:** 671-675 **DOI:** 10.1016/j.jallcom.2015.08.025 **Published:** NOV 25 2015**Accession Number:** WOS:000361519300100**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Al-Ghamdi, Ahmed	A-1324-2015	0000-0002-5409-3770
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0925-8388

eISSN: 1873-4669

Record 33 of 50**Title:** Study of structural, electronic and magnetic properties of CoFeIn and Co₂FeIn Heusler alloys**Author(s):** Monir, MEA (Monir, M. El Amine); Khenata, R (Khenata, R.); Baltache, H (Baltache, H.); Murtaza, G (Murtaza, G.); Abu-Jafar, MS (Abu-Jafar, M. S.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.); Rached, D (Rached, D.)**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 394 **Pages:** 404-409 **DOI:** 10.1016/j.jmmm.2015.06.077 **Published:** NOV 15 2015**Accession Number:** WOS:000360025800061**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 34 of 50**Title:** Structural, Elastic, Electronic Optical and Thermodynamic Properties of ZnAl₂S₄**Author(s):** Haddou, A (Haddou, A.); Murtaza, G (Murtaza, G.); Khachai, H (Khachai, H.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Ullah, N (Ullah, Naeem); Varshney, D (Varshney, Dinesh); Bouhemadou, A (Bouhemadou, A.)**Source:** INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 36 **Issue:** 10-11 **Pages:** 2940-2952 **DOI:** 10.1007/s10765-015-1941-0 **Published:** NOV 2015**Accession Number:** WOS:000365521300038**Conference Title:** 10th Asia Thermophysical Properties Conference**Conference Date:** SEP 29-OCT 03, 2013**Conference Location:** Jeju, SOUTH KOREA**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0195-928X

eISSN: 1572-9567

Record 35 of 50**Title:** Optoelectronic and Magnetic Properties of Eu₂Si₅N₈: An Ab-initio Study**Author(s):** Azam, S (Azam, Sikander); Khan, SA (Khan, Saleem Ayaz); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.); Muhammad, S (Muhammad, Saleh)**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES **Volume:** 70 **Issue:** 11 **Pages:** 897-904 **DOI:** 10.1515/zna-2015-0187 **Published:** NOV 2015**Accession Number:** WOS:000363478800003**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0932-0784

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Record 36 of 50**Title:** Optical properties of Zn_{1-x}Al(x)O:NiO transparent metal oxide composite thin films prepared by sol-gel method**Author(s):** Arif, B (Arif, Bilal); El-Nasser, HM (El-Nasser, H. M.); Dere, A (Dere, A.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Bin-Omran, S (Bin-Omran, S.); El-Tantawy, F (El-Tantawy, Farid); Yakuphanoglu, F (Yakuphanoglu, F.)**Source:** JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY **Volume:** 76 **Issue:** 2 **Pages:** 378-385 **DOI:** 10.1007/s10971-015-3786-1 **Published:** NOV 2015**Accession Number:** WOS:000360556500016**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Al-Ghamdi, Ahmed	A-1324-2015	0000-0002-5409-3770
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0928-0707

eISSN: 1573-4846

Record 37 of 50**Title:** Structural, mechanical, electronic and magnetic properties of a new series of quaternary Heusler alloys CoFeMnZ (Z= Si, As, Sb): A first-principle study**Author(s):** Elahmar, MH (Elahmar, M. H.); Rached, H (Rached, H.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.); Ahmed, WK (Ahmed, W. K.)**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 393 **Pages:** 165-174 **DOI:** 10.1016/j.jmmm.2015.05.019 **Published:** NOV 1 2015**Accession Number:** WOS:000357652800028**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Ahmed, Waleed	H-1400-2013	0000-0002-8294-0981

ISSN: 0304-8853

eISSN: 1873-4766

Record 38 of 50**Title:** Electronic structure and magnetic properties of quaternary Heusler alloys CoRhMnZ (Z = Al, Ga, Ge and Si) via first-principle calculations**Author(s):** Benkabou, M (Benkabou, M.); Rached, H (Rached, H.); Abdellaoui, A (Abdellaoui, A.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Elahmar, MH (Elahmar, M. H.); Abidri, B (Abidri, B.); Benkhetou, N (Benkhetou, N.); Bin-Omran, S (Bin-Omran, S.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 647 **Pages:** 276-286 **DOI:** 10.1016/j.jallcom.2015.05.273 **Published:** OCT 25 2015**Accession Number:** WOS:000361156400038**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 39 of 50**Title:** Structural, elastic, electronic, bonding, and optical properties of BeAZ₂ (A = Si, Ge, Sn; Z = P, As) chalcopyrites**Author(s):** Fahad, S (Fahad, Shah); Murtaza, G (Murtaza, G.); Ouahrani, T (Ouahrani, T.); Khenata, R (Khenata, R.); Yousaf, M (Yousaf, Masood); Omran, SB (Bin Omran, S.); Mohammad, S (Mohammad, Saleh)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 646 **Pages:** 211-222 **DOI:** 10.1016/j.jallcom.2015.06.026 **Published:** OCT 15 2015**Accession Number:** WOS:000361153700032**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Yousaf, Masood	F-3297-2016	0000-0001-9862-1072
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 40 of 50**Title:** Photodiode and photocapacitor properties of Au/CdTe/p-Si/Al device**Author(s):** Dahlan, AS (Dahlan, Ammar Sadik); Tataroglu, A (Tataroglu, A.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Al-Ghamdi, AA (Al-Ghamdi, Attieh A.); Bin-Omran, S (Bin-Omran, S.); Al-Turki, Y (Al-Turki, Yusuf); El-Tantawy, F (El-Tantawy, Farid); Yakuphanoglu, F (Yakuphanoglu, F.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 646 **Pages:** 1151-1156 **DOI:** 10.1016/j.jallcom.2015.06.068 **Published:** OCT 15 2015

Accession Number: WOS:000361153700169

Author Identifiers:

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Alghamdi, Attieh A		0000-0002-2377-5824

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Record 41 of 50

Title: Studying structural, electronic and optical properties of zinc-blende Ga1-xAlxP at normal and under pressure by means of first principle

Author(s): Moussa, R (Moussa, R.); Abdiche, A (Abdiche, A.); Khenata, R (Khenata, R.); Rai, DP (Rai, D. P.); Ahmed, WK (Ahmed, W. K.); Bin Omran, S (Bin Omran, S.); Murtaza, G (Murtaza, G.); Soyalp, F (Soyalp, F.)

Source: MATERIALS RESEARCH EXPRESS **Volume:** 2 **Issue:** 10 **Article Number:** 105904 **DOI:** 10.1088/2053-1591/2/10/105904 **Published:** OCT 2015

Accession Number: WOS:000370058600025

Author Identifiers:

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Ahmed, Waleed	H-1400-2013	0000-0002-8294-0981

ISSN: 2053-1591

Record 42 of 50

Title: Structural, elastic, electronic and optical properties of KAlQ₂ (Q = Se, Te): A DFT study

Author(s): Benmakhlof, A (Benmakhlof, A.); Bentabet, A (Bentabet, A.); Bouhemadou, A (Bouhemadou, A.); Maabed, S (Maabed, S.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.)

Source: SOLID STATE SCIENCES **Volume:** 48 **Pages:** 72-81 **DOI:** 10.1016/j.solidstatesciences.2015.07.006 **Published:** OCT 2015

Accession Number: WOS:000363347800013

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 43 of 50

Title: Coulomb interaction and spin-orbit coupling calculations of thermoelectric properties of the quaternary chalcogenides Tl₂PbXY₄ (X = Zr, Hf and Y = S, Se)

Author(s): Azam, S (Azam, Sikander); Khan, SA (Khan, Saleem Ayaz); Minar, J (Minar, Jan); Khan, W (Khan, Wilayat); Din, HU (Din, Haleem Ud); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Bin-Omran, S (Bin-Omran, S.); Goumri-Said, S (Goumri-Said, Souraya)

Source: SEMICONDUCTOR SCIENCE AND TECHNOLOGY **Volume:** 30 **Issue:** 10 **Article Number:** 105018 **DOI:** 10.1088/0268-1242/30/10/105018 **Published:** OCT 2015

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Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Record 44 of 50

Title: First-principles study of structural, electronic, elastic and thermal properties of intermetallic ternary compounds (RMn₂Si₂: R=Ce and Nd)

Author(s): Louhab, H (Louhab, H.); Yakoubi, A (Yakoubi, A.); Khachai, H (Khachai, H.); Abid, OM (Abid, O. Miloud); Khenata, R (Khenata, R.); Ahmed, R (Ahmed, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 38 **Pages:** 31-40 **DOI:** 10.1016/j.mssp.2015.04.004 **Published:** OCT 2015

Accession Number: WOS:000357839800005

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Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 45 of 50

Title: First principles study of Cu based Delafossite Transparent Conducting Oxides CuXO₂ (X=Al, Ga, In, B, La, Sc, Y)

Author(s): Ali, MA (Ali, Malik Azmat); Khan, A (Khan, Afzal); Khan, SH (Khan, Shah Haider); Ouahrani, T (Ouahrani, T.); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 38 **Pages:** 57-66 **DOI:** 10.1016/j.mssp.2015.03.038 **Published:** OCT 2015

Accession Number: WOS:000357839800008

Author Identifiers:

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1369-8001

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Record 46 of 50**Title:** Elastic and thermodynamic properties of the SiB2O4 (B=Mg, Zn and Cd) cubic spinels: An ab initio FP-LAPW study**Author(s):** Bouhemadou, A (Bouhemadou, A.); Allali, D (Allali, D.); Bin-Omran, S (Bin-Omran, S.); Al Safi, EMA (Al Safi, E. Muhammad Abud); Khenata, R (Khenata, R.); Al-Douri, Y (Al-Douri, Y.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 38 **Pages:** 192-202 **DOI:** 10.1016/j.mssp.2015.04.021 **Published:** OCT 2015**Accession Number:** WOS:000357839800028**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 47 of 50**Title:** Magnetic ordering and electronic structure of the ternary iron arsenide BaFe2As2**Author(s):** El-Kelma, RZ (El-Kelma, R. Zine); Beldi, L (Beldi, L.); Hassan, FE (Hassan, F. El Haj); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Abu-Jafar, MS (Abu-Jafar, M. S.); Bin Omran, S (Bin Omran, S.); Bouhafs, B (Bouhafs, B.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 29 **Issue:** 23 **Article Number:** 1550182 **DOI:** 10.1142/S0217979215501829 **Published:** SEP 20 2015**Accession Number:** WOS:000361570900010**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 48 of 50**Title:** Structural, elastic, electronic and optical properties of new layered semiconductor BaGa2P2**Author(s):** Bouhemadou, A (Bouhemadou, A.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.); Murtaza, G (Murtaza, G.); Al-Douri, Y (Al-Douri, Y.)**Source:** OPTICAL MATERIALS **Volume:** 46 **Pages:** 122-130 **DOI:** 10.1016/j.optmat.2015.03.059 **Published:** AUG 2015**Accession Number:** WOS:000357350700022**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0925-3467

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Record 49 of 50**Title:** Ab Initio Study of the Mechanical, Thermal and Optoelectronic Properties of the Cubic CsBaF3**Author(s):** Harmel, M (Harmel, M.); Khachai, H (Khachai, H.); Haddou, A (Haddou, A.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Abbar, B (Abbar, B.); Bin Omran, S (Bin Omran, S.); Khalfa, M (Khalifa, M.)**Source:** ACTA PHYSICA POLONICA A **Volume:** 128 **Issue:** 1 **Pages:** 34-42 **Published:** JUL 2015**Accession Number:** WOS:000358796100007**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 50 of 50**Title:** Ab Initio Study of the Structural, Electronic, and Thermal Properties of BaS1-xTex Alloy**Author(s):** Benkaddour, I (Benkaddour, I.); Khachai, H (Khachai, H.); Chiker, F (Chiker, F.); Benosman, N (Benosman, N.); Benkaddour, Y (Benkaddour, Y.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.); Khenata, R (Khenata, R.)**Source:** INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 36 **Issue:** 7 **Pages:** 1640-1653 **DOI:** 10.1007/s10765-015-1908-1 **Published:** JUL 2015**Accession Number:** WOS:000357484600016**Author Identifiers:**

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Record 1 of 50**Title:** Theoretical study of the structural, elastic, electronic and optical properties of XCaF₃ (X= K and Rb)**Author(s):** Ghebouli, B (Ghebouli, B.); Fatmi, M (Fatmi, M.); Ghebouli, MA (Ghebouli, M. A.); Choutri, H (Choutri, H.); Louail, L (Louail, L.); Chihi, T (Chihi, T.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE SCIENCES **Volume:** 43 **Pages:** 9-14 **DOI:** 10.1016/j.solidstatesciences.2015.03.009 **Published:** MAY 2015**Accession Number:** WOS:000352958200002**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 2 of 50**Title:** Theoretical investigation of electronic structure and optical response in relation to the transport properties of Ga_{1-x}In_xN (x=0, 0.25, 0.50, 0.75)**Author(s):** Shah, FA (Shah, Fahad Ali); Khan, SA (Khan, Saleem Ayaz); Arif, S (Arif, Suneela); Azam, S (Azam, Sikander); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)**Source:** CURRENT APPLIED PHYSICS **Volume:** 15 **Issue:** 5 **Pages:** 608-616 **DOI:** 10.1016/j.cap.2015.02.014 **Published:** MAY 2015**Accession Number:** WOS:000352280000008**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1567-1739

eISSN: 1878-1675

Record 3 of 50**Title:** Structural, mechanical and electronic properties of sodium based fluoroperovskites NaXF₃ (X=Mg, Zn) from first-principle calculations**Author(s):** Arar, R (Arar, R.); Ouahrani, T (Ouahrani, T.); Varshney, D (Varshney, D.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Rached, D (Rached, D.); Bouhemadou, A (Bouhemadou, A.); Al-Douri, Y (Al-Douri, Y.); Bin Omran, S (Bin Omran, S.); Reshak, AH (Reshak, A. H.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 33 **Pages:** 127-135 **DOI:** 10.1016/j.mssp.2015.01.040 **Published:** MAY 2015**Accession Number:** WOS:000351652400018**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Reshak, A		0000-0001-9426-8363

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Record 4 of 50**Title:** Electronic and optical properties of the LiCdX (X= N, P, As and Sb) filled-tetrahedral compounds with the Tran-Blaha modified Becke-Johnson density functional**Author(s):** Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Allali, D (Allali, D.); Al-Otaibi, SM (Al-Otaibi, S. M.); Khenata, R (Khenata, R.); Al-Douri, Y (Al-Douri, Y.); Chegaar, M (Chegaar, M.); Reshak, AH (Reshak, A. H.)**Source:** MATERIALS RESEARCH BULLETIN **Volume:** 64 **Pages:** 337-346 **DOI:** 10.1016/j.materresbull.2015.01.003 **Published:** APR 2015**Accession Number:** WOS:000349878900057**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Reshak, A		0000-0001-9426-8363

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Record 5 of 50**Title:** A first principle study of phase stability, electronic structure and magnetic properties for Co_{2-x}Cr_xMnAl Heusler alloys**Author(s):** Rached, H (Rached, H.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Abidri, B (Abidri, B.); Rabah, M (Rabah, M.); Benkhetou, N (Benkhetou, N.); Bin Omran, S (Bin Omran, S.)**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 379 **Pages:** 84-89 **DOI:** 10.1016/j.jmmm.2014.12.013 **Published:** APR 1 2015**Accession Number:** WOS:000348494900014**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 6 of 50**Title:** First-principles calculations of a half-metallic ferromagnet zinc blende Zn_{1-x}V_xTe

Author(s): Monir, MEA (Monir, M. El Amine); Baltache, H (Baltache, H.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Azam, S (Azam, Sikander); Bouhemadou, A (Bouhemadou, A.); Al-Douri, Y (Al-Douri, Y.); Bin Omran, S (Bin Omran, S.); Ali, R (Ali, Roshan)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 378 **Pages:** 41-49 **Published:** MAR 15 2015

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Author Identifiers:

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
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ISSN: 0304-8853

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Record 7 of 50

Title: Structural, Chemical Bonding, Electronic and Magnetic Properties of XY_3 ($X = Al, Ga$ and $Y = V, Nb, Cr, Mo$) Compounds

Author(s): Hafeez, R (Hafeez, R.); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Wong, KM (Wong, Kin Mun); Naeem, S (Naeem, S.); Khalid, MN (Khalid, M. N.); Alahmed, ZA (Alahmed, Z. A.); Bin Omran, S (Bin Omran, S.)

Source: ACTA PHYSICA POLONICA A **Volume:** 127 **Issue:** 3 **Pages:** 770-779 **Published:** MAR 2015

Accession Number: WOS:000353573400022

Author Identifiers:

Author	ResearcherID Number	ORCID Number
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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 8 of 50

Title: First principle study of structural and electronic properties of cubic quaternary $BxGa_{1-x}As_{1-y}Ny$ alloys

Author(s): Abdiche, A (Abdiche, A.); Riane, R (Riane, R.); Guemou, M (Guemou, M.); Khenata, R (Khenata, R.); Moussa, R (Moussa, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.)

Source: SOLID STATE COMMUNICATIONS **Volume:** 206 **Pages:** 56-64 **DOI:** 10.1016/j.ssc.2015.01.011 **Published:** MAR 2015

Accession Number: WOS:000350109300012

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
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ISSN: 0038-1098

eISSN: 1879-2766

Record 9 of 50

Title: Electronic, thermoelectric and magnetic properties of La_2NiMnO_6 and La_2CoMnO_6

Author(s): Ullah, M (Ullah, Mazhar); Khan, SA (Khan, Saleem Ayaz); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Ullah, N (Ullah, Naeem); Bin Omran, S (Bin Omran, S.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 377 **Pages:** 197-203 **DOI:** 10.1016/j.jmmm.2014.10.069 **Published:** MAR 1 2015

Accession Number: WOS:000345683200034

Author Identifiers:

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Murtaza, Ghulam	F-2027-2015	
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Record 10 of 50

Title: Structural, elastic, electronic, magnetic and optical properties of $RbSrX$ ($X = C, Si, Ge$) half-Heusler compounds

Author(s): Ahmad, M (Ahmad, Mukhtar); Naeemullah (Naeemullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Bouhemadou, A (Bouhemadou, A.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 377 **Pages:** 204-210 **DOI:** 10.1016/j.jmmm.2014.10.108 **Published:** MAR 1 2015

Accession Number: WOS:000345683200035

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eISSN: 1873-4766

Record 11 of 50

Title: First-principles study of the electronic and magnetic properties of Fe_2MnAl , Fe_2MnSi and $Fe_2MnSi_{0.5}Al_{0.5}$

Author(s): Belkhouane, M (Belkhouane, M.); Amari, S (Amari, S.); Yakoubi, A (Yakoubi, A.); Tadjer, A (Tadjer, A.); Mecabih, S (Mecabih, S.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.); Khenata, R (Khenata, R.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 377 **Pages:** 211-214 **DOI:** 10.1016/j.jmmm.2014.10.094 **Published:** MAR 1 2015

Accession Number: WOS:000345683200036**Author Identifiers:**

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Murtaza, Ghulam	F-2027-2015	
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ISSN: 0304-8853

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Record 12 of 50**Title:** Structural phase transition and opto-electronic properties of NaZnAs**Author(s):** Djied, A (Djied, A.); Seddik, T (Seddik, T.); Merabiha, O (Merabiha, O.); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Ahmed, R (Ahmed, R.); Bin-Omran, S (Bin-Omran, S.); Ugur, S (Ugur, S.); Bouhemadou, A (Bouhemadou, A.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 622 **Pages:** 812-818 **DOI:** 10.1016/j.jallcom.2014.10.173 **Published:** FEB 15 2015**Accession Number:** WOS:000345749500125**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0925-8388

eISSN: 1873-4669

Record 13 of 50**Title:** Ferroelectric Bi_{3.25}La_{0.75}Ti₃O₁₂ photodiode for solar cell applications**Author(s):** Yakuphanoglu, F (Yakuphanoglu, F.); Tataroglu, A (Tataroglu, A.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Gupta, RK (Gupta, R. K.); Al-Turki, Y (Al-Turki, Yusuf); Serbetci, Z (Serbetci, Z.); Bin Omran, S (Bin Omran, Saad); El-Tantawy, F (El-Tantawy, Farid)**Source:** SOLAR ENERGY MATERIALS AND SOLAR CELLS **Volume:** 133 **Pages:** 69-75 **DOI:** 10.1016/j.solmat.2014.10.038 **Published:** FEB 2015**Accession Number:** WOS:000348015100011**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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ISSN: 0927-0248

eISSN: 1879-3398

Record 14 of 50**Title:** First principles study of structural, optical, and electronic properties of zinc mercury chalcogenides**Author(s):** Murtaza, G (Murtaza, G.); Ullah, N (Ullah, Naeem); Rauf, A (Rauf, Abdur); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Sajjad, M (Sajjad, M.); Waheed, A (Waheed, A.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 30 **Pages:** 462-468 **DOI:** 10.1016/j.mssp.2014.10.048 **Published:** FEB 2015**Accession Number:** WOS:000347266900064**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 15 of 50**Title:** First-principles prediction of the structural, elastic, thermodynamic, electronic and optical properties of Li₄Sr₃Ge₂N₆ quaternary nitride**Author(s):** Boudrifa, O (Boudrifa, O.); Bouhemadou, A (Bouhemadou, A.); Guechi, N (Guechi, N.); Bin-Omran, S (Bin-Omran, S.); Al-Douri, Y (Al-Douri, Y.); Khenata, R (Khenata, R.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 618 **Pages:** 84-94 **DOI:** 10.1016/j.jallcom.2014.08.143 **Published:** JAN 5 2015**Accession Number:** WOS:000344208800015**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 16 of 50**Title:** An ab initio study of the structural, elastic, electronic and optical properties of the newly synthesized nitridoaluminate LiCaAlN₂**Author(s):** Haddadi, K (Haddadi, K.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Maabed, S (Maabed, S.); Khenata, R (Khenata, R.)**Source:** PHILOSOPHICAL MAGAZINE **Volume:** 95 **Issue:** 1 **Pages:** 41-63 **DOI:** 10.1080/14786435.2014.992490 **Published:** JAN 2 2015**Accession Number:** WOS:000346846700004**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 17 of 50**Title:** First-principle analysis of the electronic and optical properties of boron and nitrogen doped carbon mono-layer graphenes**Author(s):** Laref, A (Laref, A.); Ahmed, A (Ahmed, A.); Bin-Omran, S (Bin-Omran, S.); Luo, SJ (Luo, S. J.)**Source:** CARBON **Volume:** 81 **Pages:** 179-192 **DOI:** 10.1016/j.carbon.2014.09.047 **Published:** JAN 2015**Accession Number:** WOS:000345682900021**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 18 of 50**Title:** Structural, electronic and optical properties of AgXY₂(X = Al, Ga, In and Y = S, Se, Te)**Author(s):** Ullah, S (Ullah, Saeed); Ud Din, H (Ud Din, Haleem); Murtaza, G (Murtaza, G.); Ouahrani, T (Ouahrani, T.); Khenata, R (Khenata, R.); Naemullah (Naemullah); Bin Omran, S (Bin Omran, S.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 617 **Pages:** 575-583 **DOI:** 10.1016/j.jallcom.2014.08.058 **Published:** DEC 25 2014**Accession Number:** WOS:000344135800093**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 19 of 50**Title:** Rectifying structure with high voltage operation based on CuBO₂ as an UV photocatalyst**Author(s):** Soylu, M (Soylu, M.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Bin Omran, S (Bin Omran, Saad); Yakuphanoglu, F (Yakuphanoglu, F.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 617 **Pages:** 602-608 **DOI:** 10.1016/j.jallcom.2014.08.048 **Published:** DEC 25 2014**Accession Number:** WOS:000344135800097**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Al-Ghamdi, Ahmed	A-1324-2015	0000-0002-5409-3770
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Record 20 of 50**Title:** Ab initio study of the structural, electronic, elastic and thermal properties of RMn₂Ge₂ (R = Ca, Nd and Y) intermetallic compounds**Author(s):** Abid, OM (Abid, O. Miloud); Yakoubi, A (Yakoubi, A.); Tadjer, A (Tadjer, A.); Khenata, R (Khenata, R.); Ahmed, R (Ahmed, R.); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.); Azam, S (Azam, Sikander)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 616 **Pages:** 475-482 **DOI:** 10.1016/j.jallcom.2014.07.146 **Published:** DEC 15 2014**Accession Number:** WOS:000342654000072**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 21 of 50**Title:** Ab initio prediction of the structural, electronic, elastic and thermodynamic properties of the tetragonal ternary intermetallics XCu₂Si₂ (X = Ca, Sr)**Author(s):** Reffas, M (Reffas, Mounir); Bouhemadou, A (Bouhemadou, Abdelmadjid); Haddadi, K (Haddadi, Khelifa); Bin-Omran, S (Bin-Omran, Saad); Louail, L (Louail, Layachi)**Source:** EUROPEAN PHYSICAL JOURNAL B **Volume:** 87 **Issue:** 12 **Article Number:** 283 **DOI:** 10.1140/epjb/e2014-50526-1 **Published:** DEC 1 2014**Accession Number:** WOS:000345629300003**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 22 of 50**Title:** Structural, electronic, and optical properties of orthorhombic and triclinic BiNbO₄ determined via DFT calculations**Author(s):** Litimein, F (Litimein, F.); Khenata, R (Khenata, R.); Gupta, SK (Gupta, Sanjeev K.); Murtaza, G (Murtaza, G.); Reshak, AH (Reshak, Ali. H.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.); Yousaf, M (Yousaf, Masood); Jha, PK (Jha, Prafulla K.)**Source:** JOURNAL OF MATERIALS SCIENCE **Volume:** 49 **Issue:** 22 **Pages:** 7809-7818 **DOI:** 10.1007/s10853-014-8491-x **Published:** NOV 2014**Accession Number:** WOS:000341419900019**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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Jha, Prafulla		0000-0002-9358-3940
Reshak, A		0000-0001-9426-8363

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Record 23 of 50**Title:** Structural, chemical bonding and optoelectronic properties of Mg doped zinc chalcogenides: A first principles study**Author(s):** Ullah, N (Ullah, Naem); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Rehman, J (Rehman, Jan); Din, HU (Din, Haleem Ud); Bin Omran, S (Bin Omran, S.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 26 **Pages:** 681-689 **DOI:** 10.1016/j.mssp.2014.09.016 **Published:** OCT 2014**Accession Number:** WOS:000344823400093**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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eISSN: 1873-4081

Record 24 of 50**Title:** Electrical and photoconducting properties of nanorod in based spinel compound/p-Si photodiode by sol-gel spin coating technique**Author(s):** Tataroglu, A (Tataroglu, A.); Al-Ghamdi, AA (Al-Ghamdi, Ahmed A.); Bin Omran, S (Bin Omran, Saad); Farooq, WA (Farooq, W. A.); El-Tantawy, F (El-Tantawy, Farid); Yakuphanoglu, F (Yakuphanoglu, F.)**Source:** JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY **Volume:** 71 **Issue:** 3 **Pages:** 421-427 **DOI:** 10.1007/s10971-014-3391-8 **Published:** SEP 2014**Accession Number:** WOS:000340499500006**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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Record 25 of 50**Title:** Investigations of the half-metallic behavior and the magnetic and thermodynamic properties of half-Heusler CoMnTe and RuMnTe compounds: A first-principles study**Author(s):** Djaafri, T (Djaafri, T.); Djaafri, A (Djaafri, A.); Elias, A (Elias, A.); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Ahmed, R (Ahmed, R.); Bin Omran, S (Bin Omran, S.); Rached, D (Rached, D.)**Source:** CHINESE PHYSICS B **Volume:** 23 **Issue:** 8 **Article Number:** 087103 **DOI:** 10.1088/1674-1056/23/8/087103 **Published:** AUG 2014**Accession Number:** WOS:000343875300048**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 26 of 50**Title:** Shift of band gap from indirect to direct and optical response of CaO by doping S, Se, Te**Author(s):** Naemullah (Naemullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Safeer, A (Safeer, A.); Alahmed, ZA (Alahmed, Z. A.); Bin Omran, S (Bin Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 91 **Pages:** 43-49 **DOI:** 10.1016/j.commatsci.2014.04.039 **Published:** AUG 2014**Accession Number:** WOS:000339129100008**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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Murtaza, Ghulam	F-2027-2015	
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Record 27 of 50**Title:** Ab-initio study of the structural, electronic, elastic and vibrational properties of the intermetallic Pd3V and Pt3V alloys in the L1(2) phase**Author(s):** Arikan, N (Arikan, N.); Iyigor, A (Iyigor, A.); Candan, A (Candan, A.); Ouml;zduran, M (Ozduran, M.); Karakoc, A (Karakoc, A.); Ugur, S (Ugur, S.); Ugur, G (Ugur, G.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Guechi, N (Guechi, N.)**Source:** METALS AND MATERIALS INTERNATIONAL **Volume:** 20 **Issue:** 4 **Pages:** 765-773 **DOI:** 10.1007/s12540-014-4022-1 **Published:** JUL 2014**Accession Number:** WOS:000339957700024**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 28 of 50**Title:** Electronic and optical properties of the SiB₂O₄ (B=Mg, Zn, and Cd) spinel oxides: An ab initio study with the Tran-Blaha-modified Becke-Johnson density functional**Author(s):** Allali, D (Allali, D.); Bouhemadou, A (Bouhemadou, A.); Al Safi, EMA (Al Safi, E. Muhammad Abud); Bin-Omran, S (Bin-Omran, S.); Chegaar, M (Chegaar, M.); Khenata, R (Khenata, R.); Reshak, AH (Reshak, A. H.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 443 **Pages:** 24-34 **DOI:** 10.1016/j.physb.2014.02.053 **Published:** JUN 15 2014**Accession Number:** WOS:000335901900003**Author Identifiers:**

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Record 29 of 50**Title:** Structural, electronic, optical and thermodynamic properties of cubic REGa₃ (RE = Sc or Lu) compounds: Ab initio study**Author(s):** Murtaza, G (Murtaza, G.); Gupta, SK (Gupta, S. K.); Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Alahmed, ZA (Alahmed, Z. A.); Ahmed, R (Ahmed, R.); Khachai, H (Khachai, H.); Jha, PK (Jha, P. K.); Bin Omran, S (Bin Omran, S.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 597 **Pages:** 36-44 **DOI:** 10.1016/j.jallcom.2014.01.203 **Published:** JUN 5 2014**Accession Number:** WOS:000333083400006**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Alahmed, Zeyad	F-1683-2013	0000-0001-7304-8118
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Jha, Prafulla		0000-0002-9358-3940

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Record 30 of 50**Title:** Towards from indirect to direct band gap and optical properties of XYP₂ (X = Zn, Cd; Y = Si, Ge, Sn)**Author(s):** Ullah, S (Ullah, Sibghat); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Reshak, AH (Reshak, A. H.); Hayat, SS (Hayat, S. S.); Bin Omran, S (Bin Omran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 441 **Pages:** 94-99 **DOI:** 10.1016/j.physb.2014.02.021 **Published:** MAY 15 2014**Accession Number:** WOS:000334335500018**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
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Record 31 of 50**Title:** Ab initio study of structural, electronic, magnetic and optical properties of Ti-doped ZnTe and CdTe**Author(s):** Monir, ME (Monir, M. El Amine); Baltache, H (Baltache, H.); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Ugur, S (Ugur, S.); Benalia, S (Benalia, S.); Rached, D (Rached, D.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 28 **Issue:** 11 **Article Number:** 1450080 **DOI:** 10.1142/S0217979214500805 **Published:** APR 30 2014**Accession Number:** WOS:000334099400009**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 32 of 50**Title:** Structural, chemical bonding, electronic and magnetic properties of KMF₃ (M = Mn, Fe, Co, Ni) compounds**Author(s):** Hayatullah (Hayatullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Muhammad, S (Muhammad, S.); Reshak, AH (Reshak, A. H.); Wong, KM (Wong, Kin Mun); Bin Omran, S (Bin Omran, S.); Alahmed, ZA (Alahmed, Z. A.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 85 **Pages:** 402-408 **DOI:** 10.1016/j.commatsci.2013.12.054 **Published:** APR 1 2014**Accession Number:** WOS:000331724000049**Author Identifiers:**

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Record 33 of 50**Title:** Structural, elastic, electronic and optical properties of the newly synthesized monoclinic Zintl phase BaIn₂P₂**Author(s):** Guechi, N (Guechi, N.); Bouhemadou, A (Bouhemadou, A.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.); Chegaar, M (Chegaar, M.); Al-Douri, Y (Al-Douri, Y.); Bourzami, A (Bourzami, A.)**Source:** SOLID STATE SCIENCES **Volume:** 29 **Pages:** 12-23 **DOI:** 10.1016/j.solidstatedciences.2014.01.001 **Published:** MAR 2014**Accession Number:** WOS:000334485500003**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 34 of 50**Title:** Structural phase transition, mechanical and optoelectronic properties of the tetragonal NaZnP: Ab-initio study**Author(s):** Djied, A (Djied, A.); Khachai, H (Khachai, H.); Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Guechi, N (Guechi, N.); Murtaza, G (Murtaza, G.); Bin-Omran, S (Bin-Omran, S.); Alahmed, ZA (Alahmed, Z. A.); Ameri, M (Ameri, M.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 84 **Pages:** 396-403 **DOI:** 10.1016/j.commatsci.2013.11.041 **Published:** MAR 2014**Accession Number:** WOS:000331086500048**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Alahmed, Zeyad	F-1683-2013	0000-0001-7304-8118
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0927-0256

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Record 35 of 50**Title:** The effects of 5f localization on the electronic and magnetic properties of the hexagonal U₃ZrSb₅**Author(s):** Merabiha, O (Merabiha, O.); Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Murtaza, G (Murtaza, G.); Bouhemadou, A (Bouhemadou, A.); Takagiwa, Y (Takagiwa, Y.); Bin Omran, S (Bin Omran, S.); Rached, D (Rached, D.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 586 **Pages:** 529-535 **DOI:** 10.1016/j.jallcom.2013.10.120 **Published:** FEB 15 2014**Accession Number:** WOS:000329856800084**Author Identifiers:**

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Record 36 of 50**Title:** Structural and optoelectronic properties of PbS_xSe_{1-x}, PbS_xTe_{1-x} and PbS_xTe_{1-x} via first-principles calculations**Author(s):** Naemullah (Naemullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Hassan, N (Hassan, N.); Naem, S (Naem, S.); Khalid, MN (Khalid, M. N.); Bin Omran, S (Bin Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 83 **Pages:** 496-503 **DOI:** 10.1016/j.commatsci.2013.10.033 **Published:** FEB 2014**Accession Number:** WOS:000329400700068**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Murtaza, Ghulam	F-2027-2015	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 37 of 50**Title:** ELASTIC, ELECTRONIC AND THERMODYNAMIC PROPERTIES OF Rh₃X (X = Zr, Nb and Ta) INTERMETALLIC COMPOUNDS**Author(s):** Kada, MO (Kada, M. Ould); Seddik, T (Seddik, T.); Sayede, A (Sayede, A.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Deligoz, E (Deligoz, E.); Alahmed, ZA (Alahmed, Z. A.); Bin Omran, S (Bin Omran, S.); Rached, D (Rached, D.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 28 **Issue:** 3 **Article Number:** 1450006 **DOI:** 10.1142/S0217979214500064 **Published:** JAN 30 2014**Accession Number:** WOS:000330643000005**Author Identifiers:**

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Sayed, Adlane	G-2147-2010	0000-0001-9588-394X
Alahmed, Zeyad	F-1683-2013	0000-0001-7304-8118
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 38 of 50**Title:** Phase transition, electronic and optical properties of III-Sb compounds under pressure**Author(s):** Naeemullah (Naeemullah); Murtaza, G (Murtaza, G.); Khenata, R (Khenata, R.); Mazharullah (Mazharullah); Bin Omran, S (Bin Omran, S.)**Source:** PHASE TRANSITIONS **Volume:** 87 **Issue:** 9 **Pages:** 893-906 **DOI:** 10.1080/01411594.2014.925557 **Published:** 2014**Accession Number:** WOS:000342313500006**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 39 of 50**Title:** Electronic structure and optical properties of chalcopyrite CuYZ(2) (Y=Al, Ga, In; Z=S, Se): an ab initio study**Author(s):** Sajid, A (Sajid, A.); Sibghat-Ullah (Sibghat-Ullah); Murtaza, G (Murtaza, G.); Kbenata, R (Kbenata, R.); Manzar, A (Manzar, A.); Bin Omran, S (Bin Omran, S.)**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS **Volume:** 16 **Issue:** 1-2 **Pages:** 76-81 **Published:** JAN-FEB 2014**Accession Number:** WOS:000332347500014**Author Identifiers:**

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Record 40 of 50**Title:** Structural, elastic, electronic, chemical bonding and optical properties of Cu-based oxides ACuO (A = Li, Na, K and Rb): An ab initio study**Author(s):** Bouhemadou, A (Bouhemadou, A.); Boudrifa, O (Boudrifa, O.); Guechi, N (Guechi, N.); Khenata, R (Khenata, R.); Al-Douri, Y (Al-Douri, Y.); Ugur, S (Ugur, S.); Ghebouli, B (Ghebouli, B.); Bin-Omran, S (Bin-Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 81 **Pages:** 561-574 **DOI:** 10.1016/j.commatsci.2013.09.011 **Published:** JAN 2014**Accession Number:** WOS:000326940300080**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 41 of 50**Title:** First-principles study of structural stabilities, elastic and electronic properties of transition metal monocarbides (TMCs) and mononitrides (TMNs)**Author(s):** Rached, H (Rached, H.); Rached, D (Rached, D.); Benalia, S (Benalia, S.); Reshak, AH (Reshak, A. H.); Rabah, M (Rabah, M.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.)**Source:** MATERIALS CHEMISTRY AND PHYSICS **Volume:** 143 **Issue:** 1 **Pages:** 93-108 **DOI:** 10.1016/j.matchemphys.2013.08.020 **Published:** DEC 16 2013**Accession Number:** WOS:000327684100014**Author Identifiers:**

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Reshak, A		0000-0001-9426-8363

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Record 42 of 50**Title:** STRUCTURAL, ELASTIC, ELECTRONIC, CHEMICAL BONDING AND OPTICAL PROPERTIES OF M₂Se (M = Li, Na, K, Rb) THROUGH FIRST PRINCIPLE STUDY**Author(s):** Ali, R (Ali, Roshan); Khanata, R (Khanata, R.); Amin, B (Amin, Bin); Murtaza, G (Murtaza, G.); Bin Omran, S (Bin Omran, S.)**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 27 **Issue:** 30 **Article Number:** 1350170 **DOI:** 10.1142/S0217979213501701 **Published:** DEC 10 2013**Accession Number:** WOS:000326678000004**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
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Record 43 of 50**Title:** Structural, elastic, electronic and thermodynamic properties of the filled skutterudite CeOs₄Sb₁₂ determined by density functional theory**Author(s):** Ameri, M (Ameri, M.); Boudia, K (Boudia, K.); Khenata, R (Khenata, R.); Bouhaf, B (Bouhaf, B.); Rais, A (Rais, A.); Bin Omran, S (Bin Omran, S.); Abidri, B (Abidri, B.); Al-Douri, Y (Al-Douri, Y.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 16 **Issue:** 6 **Pages:** 1508-1516 **DOI:** 10.1016/j.mssp.2013.05.003 **Published:** DEC 2013**Accession Number:** WOS:000327166000022**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 44 of 50**Title:** First-principles calculations of structural, electronic and optical properties of BaGaXH (X=Si, Ge, Sn)**Author(s):** Chihi, T (Chihi, T.); Ghebouli, MA (Ghebouli, M. A.); Ghebouli, B (Ghebouli, B.); Bouhemadou, A (Bouhemadou, A.); Fatmi, M (Fatmi, M.); Bin-Omran, S (Bin-Omran, S.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 16 **Issue:** 6 **Pages:** 1558-1565 **DOI:** 10.1016/j.mssp.2013.05.015 **Published:** DEC 2013**Accession Number:** WOS:000327166000029**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 45 of 50**Title:** Elastic, optoelectronic, and thermal properties of cubic CSi₂N₄: an ab initio study**Author(s):** Haddou, A (Haddou, A.); Khachai, H (Khachai, H.); Khenata, R (Khenata, R.); Litimein, F (Litimein, F.); Bouhemadou, A (Bouhemadou, A.); Murtaza, G (Murtaza, G.); Alahmed, ZA (Alahmed, Z. A.); Bin-Omran, S (Bin-Omran, S.); Abbar, B (Abbar, B.)**Source:** JOURNAL OF MATERIALS SCIENCE **Volume:** 48 **Issue:** 23 **Pages:** 8235-8243 **DOI:** 10.1007/s10853-013-7636-7 **Published:** DEC 2013**Accession Number:** WOS:000324111000020**Author Identifiers:**

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Murtaza, Ghulam	F-2027-2015	
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ISSN: 0022-2461

Record 46 of 50**Title:** FP-LMTO method to calculate the structural, thermodynamic and optoelectronic properties of SixGe_{1-x}C alloys**Author(s):** Ameri, M (Ameri, M.); Bouzouira, N (Bouzouira, N.); Khenata, R (Khenata, R.); Al-Douri, Y (Al-Douri, Y.); Bouhaf, B (Bouhaf, B.); Bin-Omran, S (Bin-Omran, S.)**Source:** MOLECULAR PHYSICS **Volume:** 111 **Issue:** 21 **Pages:** 3208-3217 **DOI:** 10.1080/00268976.2013.775517 **Published:** NOV 30 2013**Accession Number:** WOS:000328128600006**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 47 of 50**Title:** First-principles prediction of the structural, elastic, electronic and optical properties of the Zintl phases MIn₂P₂ (M = Ca, Sr)**Author(s):** Guechi, N (Guechi, N.); Bouhemadou, A (Bouhemadou, A.); Guechi, A (Guechi, A.); Reffas, M (Reffas, M.); Louail, L (Louail, L.); Bourzami, A (Bourzami, A.); Chegaar, M (Chegaar, M.); Bin-Omran, S (Bin-Omran, S.)**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 577 **Pages:** 587-599 **DOI:** 10.1016/j.jallcom.2013.07.003 **Published:** NOV 15 2013**Accession Number:** WOS:000324082800097**Author Identifiers:**

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ISSN: 0925-8388

Record 48 of 50**Title:** Prediction Study of the Mechanical and Thermodynamic Properties of the (R Sm, Eu, Gd, and Tb) Compounds**Author(s):** Mekkaoui, F (Mekkaoui, F.); Litimein, F (Litimein, F.); Khenata, R (Khenata, R.); Merabihi, O (Merabihi, O.); Bouhemadou, A (Bouhemadou, A.); Varshney, D (Varshney, D.); Soybal, F (Soybal, F.); Ugur, S (Ugur, S.); Bin-Omran, S (Bin-Omran, S.); Rached, D (Rached, D.)

Source: INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 34 **Issue:** 11 **Pages:** 2102-2118 **DOI:** 10.1007/s10765-013-1525-9 **Published:** NOV 2013

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Record 49 of 50

Title: External temperature and pressure effects on thermodynamic properties and mechanical stability of yttrium chalcogenides YX (X=S, Se and Te)

Author(s): Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Guechi, N (Guechi, N.); Sayede, A (Sayede, A.); Varshney, D (Varshney, D.); Al-Douri, Y (Al-Douri, Y.); Reshak, AH (Reshak, A. H.); Bin-Omran, S (Bin-Omran, S.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 428 **Pages:** 78-88 **DOI:** 10.1016/j.physb.2013.07.014 **Published:** NOV 1 2013

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Author Identifiers:

Author	ResearcherID Number	ORCID Number
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Reshak, A		0000-0001-9426-8363

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Title: Structural, elastic, and thermodynamic properties under pressure of the FeC in the martensitic phase: an ab-initio study

Author(s): Chihi, T (Chihi, T.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)

Source: HIGH PRESSURE RESEARCH **Volume:** 33 **Issue:** 3 **Special Issue:** SI **Pages:** 572-583 **DOI:** 10.1080/08957959.2013.806502 **Published:** AUG 20 2013

Accession Number: WOS:000327006700012

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Record 1 of 45**Title:** Electronic and optical properties of ZnSe₂S₄ and CdSe₂S₄ cubic spinels by the modified Becke-Johnson density functional**Author(s):** Bouhemadou, A (Bouhemadou, A.); Al-Essa, S (Al-Essa, S.); Allali, D (Allali, D.); Ghebouli, MA (Ghebouli, M. A.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE SCIENCES **Volume:** 20 **Pages:** 127-134 **DOI:** 10.1016/j.solidstatesciences.2013.03.016 **Published:** JUN 2013**Accession Number:** WOS:000320085100023**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1293-2558

Record 2 of 45**Title:** Structural, elastic, electronic and lattice dynamical properties of III-P quaternary alloys matched to AIP**Author(s):** Bouhemadou, A (Bouhemadou, A.); Ghebouli, MA (Ghebouli, M. A.); Ghebouli, B (Ghebouli, B.); Fatmi, M (Fatmi, M.); Bin-Omran, S (Bin-Omran, S.); Ucgun, E (Ucgun, E.); Ocak, HY (Ocak, H. Y.)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 16 **Issue:** 3 **Pages:** 718-726 **DOI:** 10.1016/j.mssp.2012.12.014 **Published:** JUN 2013**Accession Number:** WOS:000319641500022**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 3 of 45**Title:** Elastic and thermodynamic properties of ZnSe₂S₄ and CdSe₂S₄ compounds under pressure and temperature effects**Author(s):** Bouhemadou, A (Bouhemadou, A.); Ugur, G (Ugur, G.); Ugur, S (Ugur, S.); Al-Essa, S (Al-Essa, S.); Ghebouli, MA (Ghebouli, M. A.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.); Al-Douri, Y (Al-Douri, Y.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 70 **Pages:** 107-113 **DOI:** 10.1016/j.commatsci.2013.01.004 **Published:** APR 2013**Accession Number:** WOS:000315297100012**Author Identifiers:**

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Record 4 of 45**Title:** Structural, Elastic, Electronic and Optical Properties of Cu₃TMSe₄ (TM = V, Nb and Ta) Sulvanite Compounds via First-Principles Calculations**Author(s):** Bougherara, K (Bougherara, K.); Litimein, F (Litimein, F.); Khenata, R (Khenata, R.); Ucgun, E (Ucgun, E.); Ocak, HY (Ocak, H. Y.); Ugur, S (Ugur, S.); Ugur, G (Ugur, G.); Reshak, AH (Reshak, Ali H.); Soyalp, F (Soyalp, F.); Bin Omran, S (Bin Omran, S.)**Source:** SCIENCE OF ADVANCED MATERIALS **Volume:** 5 **Issue:** 1 **Pages:** 97-106 **DOI:** 10.1166/sam.2013.1435 **Published:** JAN 2013**Accession Number:** WOS:000316040900013**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
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Record 5 of 45**Title:** Full-Potential Calculation of Structural, Electronic, and Thermodynamic Properties of Fluoroperovskite CsMF₃ (M = Be and Mg) (vol 33, pg 2339, 2012)**Author(s):** Harmel, M (Harmel, M.); Khachai, H (Khachai, H.); Ameri, M (Ameri, M.); Baki, N (Baki, N.); Haddou, A (Haddou, A.); Khalifa, M (Khalifa, M.); Abbar, B (Abbar, B.); Bin Omran, S (Bin Omran, S.); Ugur, G (Ugur, G.); Ugur, S (Ugur, S.); Khenata, R (Khenata, R.)**Source:** INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 34 **Issue:** 1 **Pages:** 189-189 **DOI:** 10.1007/s10765-012-1374-y **Published:** JAN 2013**Accession Number:** WOS:000314776800013**Author Identifiers:**

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Record 6 of 45**Title:** DFT-BASED AB INITIO STUDY OF THE ELECTRONIC AND OPTICAL PROPERTIES OF CESIUM BASED FLUORO-PEROVSKITE CsMF₃ (M = Ca AND Sr)**Author(s):** Harmel, M (Harmel, M.); Khachai, H (Khachai, H.); Ameri, M (Ameri, M.); Khenata, R (Khenata, R.); Baki, N (Baki, N.); Haddou, A (Haddou, A.); Abbar, B (Abbar, B.); Ugur, S (Ugur, S.); Bin Omran, S (Bin Omran, S.); Soyalp, F (Soyalp, F.)

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 26 **Issue:** 32 **Article Number:** 1250199 **DOI:** 10.1142/S0217979212501998 **Published:** DEC 30 2012

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Title: Full-Potential Calculation of Structural, Electronic, and Thermodynamic Properties of Fluoroperovskite (M = Be and Mg)

Author(s): Harmel, M (Harmel, M.); Khachai, H (Khachai, H.); Ameri, A (Ameri, A.); Baki, N (Baki, N.); Haddou, A (Haddou, A.); Khalfia, M (Khalfia, M.); Abbar, B (Abbar, B.); Bin Omran, S (Bin Omran, S.); Ugur, G (Ugur, G.); Ugur, S (Ugur, S.); Khenata, R (Khenata, R.)

Source: INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 33 **Issue:** 12 **Pages:** 2339-2350 **DOI:** 10.1007/s10765-012-1353-3 **Published:** DEC 2012

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 8 of 45

Title: First and second harmonic generation of the XAl_2Se_4 ($X=Zn, Cd, Hg$) defect chalcopyrite compounds

Author(s): Ouahrani, T (Ouahrani, Tank); Khenata, R (Khenata, R.); Lasri, B (Lasri, B.); Reshak, AH (Reshak, Ali H.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 407 **Issue:** 18 **Pages:** 3760-3766 **DOI:** 10.1016/j.physb.2012.05.057 **Published:** SEP 15 2012

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Reshak, A		0000-0001-9426-8363

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Record 9 of 45

Title: Phase diagrams and dielectric response of epitaxial $(BaxSr_{1-x})TiO_3$ ultrathin films: A first-principles study

Author(s): Bin-Omran, S (Bin-Omran, S.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 407 **Issue:** 17 **Pages:** 3627-3631 **DOI:** 10.1016/j.physb.2012.04.058 **Published:** SEP 1 2012

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 10 of 45

Title: First-principles investigation of the ternary scandium based inverse-perovskite carbides $Sc(3)AC$ ($A = Al, Ga, In$ and Tl)

Author(s): Haddadi, K (Haddadi, K.); Bouhemadou, A (Bouhemadou, A.); Zerarga, F (Zerarga, F.); Bin-Omran, S (Bin-Omran, S.)

Source: SOLID STATE SCIENCES **Volume:** 14 **Issue:** 8 **Pages:** 1175-1185 **DOI:** 10.1016/j.solidstatesciences.2012.04.028 **Published:** AUG 2012

Accession Number: WOS:000308769000029

Author Identifiers:

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 11 of 45

Title: Structural, electronic and mechanical properties of RuO_2 from first-principles calculations

Author(s): Mehtougui, N (Mehtougui, N.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Rached, H (Rached, H.); Rabah, M (Rabah, M.); Bin-Omran, S (Bin-Omran, S.)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 15 **Issue:** 4 **Pages:** 331-339 **DOI:** 10.1016/j.mssp.2012.02.001 **Published:** AUG 2012

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Record 12 of 45**Title:** Structural, electronic and elastic properties of the new ternary alkali metal chalcogenides KLiX (X = S, Se and Te)**Author(s):** Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Rached, D (Rached, D.); Varshney, D (Varshney, Dinesh); Bin-Omran, S (Bin-Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 61 **Pages:** 206-212 **DOI:** 10.1016/j.commat.2012.04.020 **Published:** AUG 2012**Accession Number:** WOS:000304562000028**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 13 of 45**Title:** Theoretical investigations of NiTiSn and CoVSn compounds**Author(s):** Hichour, M (Hichour, M.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Rabah, M (Rabah, M.); Merabet, M (Merabet, M.); Reshak, AH (Reshak, Ali H.); Bin Omran, S (Bin Omran, S.); Ahmed, R (Ahmed, R.)**Source:** JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 73 **Issue:** 8 **Pages:** 975-981 **DOI:** 10.1016/j.jp.2012.03.014 **Published:** AUG 2012**Accession Number:** WOS:000304632100001**Author Identifiers:**

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Record 14 of 45**Title:** Theoretical prediction of the structural, elastic, electronic, optical and thermal properties of the cubic perovskites CsXF₃ (X = Ca, Sr and Hg) under pressure effect**Author(s):** Ghebouli, B (Ghebouli, B.); Ghebouli, MA (Ghebouli, M. A.); Bouhemadou, A (Bouhemadou, A.); Fatmi, M (Fatmi, M.); Khenata, R (Khenata, R.); Rached, D (Rached, D.); Ouahrani, T (Ouahrani, T.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE SCIENCES **Volume:** 14 **Issue:** 7 **Pages:** 903-913 **DOI:** 10.1016/j.solidstatesciences.2012.04.019 **Published:** JUL 2012**Accession Number:** WOS:000307032500025**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1293-2558

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Record 15 of 45**Title:** Prediction study of the elastic and thermodynamic properties of the SnMg₂O₄, SnZn₂O₄ and SnCd₂O₄ spinel oxides**Author(s):** Allali, D (Allali, D.); Bouhemadou, A (Bouhemadou, A.); Zerarga, F (Zerarga, F.); Ghebouli, MA (Ghebouli, M. A.); Bin-Omran, S (Bin-Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 60 **Pages:** 217-223 **DOI:** 10.1016/j.commat.2012.03.044 **Published:** JUL 2012**Accession Number:** WOS:000303657700027**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0927-0256

Record 16 of 45**Title:** Structural, elastic and thermodynamic properties under pressure and temperature effects of MgIn₂S₄ and CdIn₂S₄**Author(s):** Bouhemadou, A (Bouhemadou, A.); Haddadi, K (Haddadi, K.); Khenata, R (Khenata, R.); Rached, D (Rached, D.); Bin-Omran, S (Bin-Omran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 407 **Issue:** 12 **Pages:** 2295-2300 **DOI:** 10.1016/j.physb.2012.03.017 **Published:** JUN 15 2012**Accession Number:** WOS:000303803000060**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0921-4526

Record 17 of 45**Title:** Ab initio study of some fundamental physical properties of the cubic inverse-perovskite Mn₃ZnC and Mn₃GeC**Author(s):** Bouhemadou, A (Bouhemadou, A.); Ghebouli, MA (Ghebouli, M. A.); Ugur, G (Ugur, G.); Ugur, S (Ugur, S.); Ghebouli, B (Ghebouli, B.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 58 **Pages:** 162-166 **DOI:** 10.1016/j.commat.2012.01.030 **Published:** JUN 2012**Accession Number:** WOS:000302118400022**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Ugur, Gokay	B-6223-2016	0000-0003-4764-4113
Ugur, Sule	B-6230-2016	0000-0001-6710-8815
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0927-0256

Record 18 of 45**Title:** First-principles calculations of the structural, electronic and optical properties of cubic BxGa1-xAs alloys**Author(s):** Guemou, M (Guemou, M.); Bouhaf, B (Bouhaf, B.); Abdiche, A (Abdiche, A.); Khenata, R (Khenata, R.); Al Douri, Y (Al Douri, Y.); Bin Omran, S (Bin Omran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 407 **Issue:** 8 **Pages:** 1292-1300 **DOI:** 10.1016/j.physb.2012.01.132 **Published:** APR 15 2012**Accession Number:** WOS:000301976600023**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 19 of 45**Title:** Electronic structure, X-ray absorption, and optical spectroscopy of LaCoO3 in the ground-state and excited-states**Author(s):** Laref, A (Laref, A.); Laref, S (Laref, S.); Bin-Omran, S (Bin-Omran, S.)**Source:** JOURNAL OF COMPUTATIONAL CHEMISTRY **Volume:** 33 **Issue:** 6 **Pages:** 673-684 **DOI:** 10.1002/jcc.22896 **Published:** MAR 5 2012**Accession Number:** WOS:000300003600009**PubMed ID:** 22173969**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0192-8651

Record 20 of 45**Title:** Theoretical investigation of the elastic, thermodynamic, electronic and magnetic properties of PrNi2Si2 and PrNi2Ge2**Author(s):** Righi, H (Righi, H.); Rached, D (Rached, D.); Benalia, S (Benalia, S.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Reshak, AH (Reshak, Ali H.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 54 **Pages:** 303-311 **DOI:** 10.1016/j.commatsci.2011.10.001 **Published:** MAR 2012**Accession Number:** WOS:000300471500046**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Reshak, A		0000-0001-9426-8363

ISSN: 0927-0256

eISSN: 1879-0801

Record 21 of 45**Title:** Theory study of structural parameters, elastic stiffness, electronic structures and lattice dynamics of RBRh3 (R = Sc, Y, La and Lu)**Author(s):** Bouhemadou, A (Bouhemadou, A.); Ugur, G (Ugur, G.); Ugur, S (Ugur, S.); Soyalp, F (Soyalp, F.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 54 **Pages:** 336-344 **DOI:** 10.1016/j.commatsci.2011.10.029 **Published:** MAR 2012**Accession Number:** WOS:000300471500049**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Ugur, Gokay	B-6223-2016	0000-0003-4764-4113
Ugur, Sule	B-6230-2016	0000-0001-6710-8815
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0927-0256

Record 22 of 45**Title:** Elastic, electronic and thermodynamic properties of fluoro-perovskite KZnF3 via first-principles calculations**Author(s):** Seddik, T (Seddik, T.); Khenata, R (Khenata, R.); Merabiha, O (Merabiha, O.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Rached, D (Rached, D.)**Source:** APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 106 **Issue:** 3 **Pages:** 645-653 **DOI:** 10.1007/s00339-011-6643-2 **Published:** MAR 2012**Accession Number:** WOS:000300260600024**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0947-8396

Record 23 of 45**Title:** Structural and electronic properties of zinc blende BxAl1-xNyP1-y quaternary alloys via first-principle calculations

Author(s): Abdiche, A (Abdiche, A.); Baghdad, R (Baghdad, R.); Khenata, R (Khenata, R.); Riane, R (Riane, R.); Al-Douri, Y (Al-Douri, Y.); Guemou, M (Guemou, M.); Bin-Omran, S (Bin-Omran, S.)

Source: PHYSICA B-CONDENSED MATTER **Volume:** 407 **Issue:** 3 **Pages:** 426-432 **DOI:** 10.1016/j.physb.2011.10.056 **Published:** FEB 1 2012

Accession Number: WOS:000300596000026

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 24 of 45

Title: Structural, elastic, electronic, chemical bonding and thermodynamic properties of CaMg₂N₂ and SrMg₂N₂: First-principles calculations

Author(s): Haddadi, K (Haddadi, K.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)

Source: COMPUTATIONAL MATERIALS SCIENCE **Volume:** 53 **Issue:** 1 **Pages:** 204-213 **DOI:** 10.1016/j.commatsci.2011.08.009 **Published:** FEB 2012

Accession Number: WOS:000300722900028

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0927-0256

Record 25 of 45

Title: First-principle calculations to investigate the elastic and thermodynamic properties of RBRh₃ (R = Sc, Y and La) perovskite compounds

Author(s): Litimein, F (Litimein, F.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Al-Douri, Y (Al-Douri, Y.); Bin Omran, S (Bin Omran, S.)

Source: MOLECULAR PHYSICS **Volume:** 110 **Issue:** 2 **Pages:** 121-128 **DOI:** 10.1080/00268976.2011.635607 **Published:** 2012

Accession Number: WOS:000300402900005

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 26 of 45

Title: Structural, electronic, optical and thermodynamic properties of Na_xRb_{1-x}H and Na_xK_{1-x}H alloys

Author(s): Fatmi, M (Fatmi, Messaoud); Ghebouli, B (Ghebouli, Brahim); Ghebouli, MA (Ghebouli, Mohamed Amine); Bouhemadou, A (Bouhemadou, Abdelmadjid); Binomran, S (Binomran, Saad)

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 73 **Issue:** 1 **Pages:** 1-7 **DOI:** 10.1016/j.jpcs.2011.08.015 **Published:** JAN 2012

Accession Number: WOS:000297891400001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0022-3697

Record 27 of 45

Title: Theoretical prediction of the structural, electronic and optical properties of SnB₂O₄ (B = Mg, Zn, Cd)

Author(s): Allali, D (Allali, D.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.)

Source: COMPUTATIONAL MATERIALS SCIENCE **Volume:** 51 **Issue:** 1 **Pages:** 194-205 **DOI:** 10.1016/j.commatsci.2011.07.046 **Published:** JAN 2012

Accession Number: WOS:000296214300026

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 28 of 45

Title: FP-LAPW study of the fundamental properties of the cubic spinel CdAl₂O₄

Author(s): Bouhemadou, A (Bouhemadou, A.); Zerarga, F (Zerarga, F.); Almuahyaya, A (Almuahyaya, A.); Bin-Omran, S (Bin-Omran, S.)

Source: MATERIALS RESEARCH BULLETIN **Volume:** 46 **Issue:** 12 **Pages:** 2252-2260 **DOI:** 10.1016/j.materresbull.2011.09.002 **Published:** DEC 2011

Accession Number: WOS:000298130000011

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0025-5408

Record 29 of 45

Title: Structural stabilities, elastic and thermodynamic properties of Scandium Chalcogenides via first-principles calculations

Author(s): Maachou, A (Maachou, A.); Aboura, H (Aboura, H.); Amrani, B (Amrani, B.); Khenata, R (Khenata, R.); Bin Omran, S (Bin Omran, S.); Varshney, D (Varshney, Dinesh)

Source: COMPUTATIONAL MATERIALS SCIENCE **Volume:** 50 **Issue:** 11 **Pages:** 3123-3130 **DOI:** 10.1016/j.commatsci.2011.05.038 **Published:** OCT-NOV 2011

Accession Number: WOS:000294099900010

Author Identifiers:

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 30 of 45**Title:** Electronic structure of (BP)(n)/(BAs)(n) (0 0 1) superlattices**Author(s):** Merabet, M (Merabet, M.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Benalia, S (Benalia, S.); Abidri, B (Abidri, B.); Bettahar, N (Bettahar, N.); Bin Omran, S (Bin Omran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 406 **Issue:** 17 **Pages:** 3247-3255 **DOI:** 10.1016/j.physb.2011.05.034 **Published:** SEP 1 2011**Accession Number:** WOS:000293030100025**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 31 of 45**Title:** Structural, electronic and optical properties of spinel oxides ZnAl₂O₄, ZnGa₂O₄ and ZnIn₂O₄**Author(s):** Zerarga, F (Zerarga, F.); Bouhemedou, A (Bouhemedou, A.); Khenata, R (Khenata, R.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE SCIENCES **Volume:** 13 **Issue:** 8 **Pages:** 1638-1648 **DOI:** 10.1016/j.solidstatesciences.2011.06.016 **Published:** AUG 2011**Accession Number:** WOS:000294520000033**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 32 of 45**Title:** Structural parameters, electronic structures, elastic stiffness and thermal properties of M₂PC (M=V, Nb, Ta)**Author(s):** Bouhemedou, A (Bouhemedou, A.); Khenata, R (Khenata, R.); Binomran, S (Binomran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 406 **Issue:** 14 **Pages:** 2851-2857 **DOI:** 10.1016/j.physb.2011.04.047 **Published:** JUL 15 2011**Accession Number:** WOS:000292302400028**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 33 of 45**Title:** FP-LAPW study of the structural, elastic and thermodynamic properties of spinel oxides ZnX₂O₄ (X = Al, Ga, In)**Author(s):** Zerarga, F (Zerarga, F.); Bouhemedou, A (Bouhemedou, A.); Khenata, R (Khenata, R.); Binomran, S (Binomran, S.)**Source:** COMPUTATIONAL MATERIALS SCIENCE **Volume:** 50 **Issue:** 9 **Pages:** 2651-2657 **DOI:** 10.1016/j.commatsci.2011.04.013 **Published:** JUL 2011**Accession Number:** WOS:000292852000016**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 34 of 45**Title:** Prediction study of the elastic and thermodynamic properties of the newly discovered tetragonal SrPd₂Ge₂ phase**Author(s):** Ghebouli, MA (Ghebouli, M. A.); Bouhemedou, A (Bouhemedou, A.); Ghebouli, B (Ghebouli, B.); Fatmi, M (Fatmi, M.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE COMMUNICATIONS **Volume:** 151 **Issue:** 14-15 **Pages:** 976-981 **DOI:** 10.1016/j.ssc.2011.05.007 **Published:** JUL-AUG 2011**Accession Number:** WOS:000292444300003**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 35 of 45**Title:** Structural, elastic, electronic, optical and thermodynamic properties of KMgH₃**Author(s):** Ghebouli, MA (Ghebouli, M. A.); Ghebouli, B (Ghebouli, B.); Bouhemedou, A (Bouhemedou, A.); Fatmi, M (Fatmi, M.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE SCIENCES **Volume:** 13 **Issue:** 3 **Pages:** 647-652 **DOI:** 10.1016/j.solidstatesciences.2010.11.046 **Published:** MAR 2011**Accession Number:** WOS:000288929300025**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 1293-2558

eISSN: 1873-3085

Record 36 of 45**Title:** Structural and electronic properties of bulk GaP and AlP and their (GaP)(n)/(AlP)(n) superlattices**Author(s):** Merabet, M (Merabet, M.); Benalia, S (Benalia, S.); Rached, D (Rached, D.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.); Reshak, AH (Reshak, Ali H.); Rabah, M (Rabah, M.)**Source:** SUPERLATTICES AND MICROSTRUCTURES **Volume:** 49 **Issue:** 2 **Pages:** 132-143 **DOI:** 10.1016/j.spmi.2010.11.012 **Published:** FEB 2011**Accession Number:** WOS:000288351500003**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Reshak, A		0000-0001-9426-8363

ISSN: 0749-6036

Record 37 of 45**Title:** Full potential study of the elastic, electronic, and optical properties of spinels MgIn₂S₄ and CdIn₂S₄ under pressure effect**Author(s):** Semari, F (Semari, F.); Khenata, R (Khenata, R.); Rabah, M (Rabah, M.); Bouhemadou, A (Bouhemadou, A.); Bin Omran, S (Bin Omran, S.); Reshak, AH (Reshak, Ali H.); Rached, D (Rached, D.)**Source:** JOURNAL OF SOLID STATE CHEMISTRY **Volume:** 183 **Issue:** 12 **Pages:** 2818-2825 **DOI:** 10.1016/j.jssc.2010.09.022 **Published:** DEC 2010**Accession Number:** WOS:000285431100011**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
Reshak, A		0000-0001-9426-8363

ISSN: 0022-4596

Record 38 of 45**Title:** Inverse-perovskite oxides Ca₃EO with E = Si, Ge, Sn, Pb: Structural, elastic and thermal properties**Author(s):** Haddadi, K (Haddadi, K.); Bouhemadou, A (Bouhemadou, A.); Louail, L (Louail, L.); Bin-Omran, S (Bin-Omran, S.)**Source:** SOLID STATE COMMUNICATIONS **Volume:** 150 **Issue:** 41-42 **Pages:** 1995-2000 **DOI:** 10.1016/j.ssc.2010.08.021 **Published:** NOV 2010**Accession Number:** WOS:000283613600010**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0038-1098

Record 39 of 45**Title:** Prediction study of the structural and elastic properties for the cubic skutterudites LaFe₄(A)(12) (A = P, As and Sb) under pressure effect**Author(s):** Hachemaoui, M (Hachemaoui, M.); Khenata, R (Khenata, R.); Bouhemadou, A (Bouhemadou, A.); Bin-Omran, S (Bin-Omran, S.); Reshak, AH (Reshak, Ali H.); Semari, F (Semari, F.); Rached, D (Rached, D.)**Source:** SOLID STATE COMMUNICATIONS **Volume:** 150 **Issue:** 39-40 **Pages:** 1869-1873 **DOI:** 10.1016/j.ssc.2010.07.048 **Published:** OCT 2010**Accession Number:** WOS:000282157000003**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344
zaraat, javad		0000-0001-5341-7481
Reshak, A		0000-0001-9426-8363

ISSN: 0038-1098

Record 40 of 45**Title:** Ab initio study of structural, elastic, electronic and optical properties of spinel SnMg₂O₄**Author(s):** Reffas, M (Reffas, M.); Bouhemadou, A (Bouhemadou, A.); Khenata, R (Khenata, R.); Ouahrani, T (Ouahrani, T.); Bin-Omran, S (Bin-Omran, S.)**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 405 **Issue:** 18 **Pages:** 4079-4085 **DOI:** 10.1016/j.physb.2010.06.058 **Published:** SEP 15 2010**Accession Number:** WOS:000281170300052**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 41 of 45**Title:** The influence of strain on the polarization of epitaxial (Ba_{0.70}Sr_{0.30})TiO₃ ultrathin film obtained from first principles**Author(s):** Bin-Omran, S (Bin-Omran, S.)**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER **Volume:** 22 **Issue:** 27 **Article Number:** 275901 **DOI:** 10.1088/0953-8984/22/27/275901 **Published:** JUL 14 2010

Accession Number: WOS:000279003800019**PubMed ID:** 21399266**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

ISSN: 0953-8984

Record 42 of 45**Title:** Diffuse phase transitions in ferroelectric ultrathin films from first principles**Author(s):** Bin-Omran, S (Bin-Omran, S.); Kornev, I (Kornev, I); Ponomareva, I (Ponomareva, I); Bellaiche, L (Bellaiche, L.)**Source:** PHYSICAL REVIEW B **Volume:** 81 **Issue:** 9 **Article Number:** 094119 **DOI:** 10.1103/PhysRevB.81.094119 **Published:** MAR 1 2010**Accession Number:** WOS:000276207300043**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Ponomareva, Inna	C-4067-2012	
Kornev, Igor	H-6918-2016	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 43 of 45**Title:** Dependence of polarization on epitaxial strain in ferroelectric ultrathin films from first principles**Author(s):** Bin-Omran, S (Bin-Omran, S.); Ponomareva, I (Ponomareva, I); Bellaiche, L (Bellaiche, L.)**Source:** PHYSICAL REVIEW B **Volume:** 77 **Issue:** 14 **Article Number:** 144105 **DOI:** 10.1103/PhysRevB.77.144105 **Published:** APR 2008**Accession Number:** WOS:000255457300015**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
Ponomareva, Inna	C-4067-2012	
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 44 of 45**Title:** Properties of GaN/ScN and InN/ScN superlattices from first principles**Author(s):** Ranjan, V (Ranjan, V); Bin-Omran, S (Bin-Omran, S); Sichuga, D (Sichuga, D); Nichols, RS (Nichols, RS); Bellaiche, L (Bellaiche, L); Alsaad, A (Alsaad, A)**Source:** PHYSICAL REVIEW B **Volume:** 72 **Issue:** 8 **Article Number:** 085315 **DOI:** 10.1103/PhysRevB.72.085315 **Published:** AUG 2005**Accession Number:** WOS:000231564600095**Author Identifiers:**

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BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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Record 45 of 45**Title:** Isostructural phase transitions in GaN/ScN and InN/ScN superlattices**Author(s):** Ranjan, V (Ranjan, V); Bin-Omran, S (Bin-Omran, S); Bellaiche, L (Bellaiche, L); Alsaad, A (Alsaad, A)**Source:** PHYSICAL REVIEW B **Volume:** 71 **Issue:** 19 **Article Number:** 195302 **DOI:** 10.1103/PhysRevB.71.195302 **Published:** MAY 2005**Accession Number:** WOS:000230244100062**Author Identifiers:**

Author	ResearcherID Number	ORCID Number
BINOMRAN, SAAD	N-7968-2016	0000-0001-6097-2344

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