

Omar Mounkachi

List of Publications by Year in descending order

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159
papers

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docs citations

159
times ranked

2234
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of zinc concentration on the structural and magnetic properties of mixed Co ²⁺ /Zn ferrites nanoparticles synthesized by sol/gel method. Journal of Magnetism and Magnetic Materials, 2016, 398, 20-25.	1.0	104
2	Phosphorene as a promising anode material for (Li/Na/Mg)-ion batteries: A first-principle study. Solar Energy Materials and Solar Cells, 2018, 180, 253-257.	3.0	103
3	Synthesis and magnetic properties of tin spinel ferrites doped manganese. Journal of Magnetism and Magnetic Materials, 2016, 405, 181-186.	1.0	72
4	Band-gap engineering of SnO. Solar Energy Materials and Solar Cells, 2016, 148, 34-38.	3.0	69
5	Arsenene monolayer as an outstanding anode material for (Li/Na/Mg)-ion batteries: density functional theory. Physical Chemistry Chemical Physics, 2019, 21, 19951-19962.	1.3	66
6	The effect of basic pH on the elaboration of ZnFe ₂ O ₄ nanoparticles by co-precipitation method: Structural, magnetic and hyperthermia characterization. Journal of Magnetism and Magnetic Materials, 2019, 478, 239-246.	1.0	59
7	Metal (boro-) hydrides for high energy density storage and relevant emerging technologies. International Journal of Hydrogen Energy, 2020, 45, 33687-33730.	3.8	53
8	Magnetic properties of tin ferrites nanostructures doped with transition metal. Journal of Alloys and Compounds, 2015, 622, 761-764.	2.8	52
9	Magnetic properties of vanadium doped CdTe: Ab initio calculations. Journal of Magnetism and Magnetic Materials, 2017, 428, 368-371.	1.0	47
10	Exploring the magnetic and structural properties of Nd-doped Cobalt nano-ferrite for permanent magnet applications. Ceramics International, 2017, 43, 14401-14404.	2.3	45
11	Synthesis and super-paramagnetic properties of neodymium ferrites nanorods. Journal of Alloys and Compounds, 2013, 581, 776-781.	2.8	43
12	Electronic structure of acceptor defects in (Zn,Mn)O and (Zn,Mn)(O,N). Journal of Applied Physics, 2009, 106, .	1.1	41
13	Size effect on the magnetic properties of CoFe ₂ O ₄ nanoparticles: A Monte Carlo study. Ceramics International, 2020, 46, 8092-8096.	2.3	40
14	Theoretical investigation of electronic and magnetic properties of MnAu layers. Journal of Magnetism and Magnetic Materials, 2013, 326, 166-170.	1.0	38
15	Influence of synthesis methods with low annealing temperature on the structural and magnetic properties of CoFe ₂ O ₄ nanopowders for permanent magnet application. Journal of Magnetism and Magnetic Materials, 2020, 500, 166416.	1.0	37
16	An easy route to synthesize high-quality black phosphorus from amorphous red phosphorus. Materials Letters, 2019, 236, 56-59.	1.3	36
17	Hydrogen storage of Mg _{1-x} M _x H ₂ (Tj ETQq1 1.0,784314,rgBT /Ove 0.7 35)	1.0	35
18	Electronic and magnetic structures of Fe ₃ O ₄ ferrimagnetic investigated by first principle, mean field and series expansions calculations. Journal of Magnetism and Magnetic Materials, 2015, 378, 37-40.	1.0	33

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19	New results on Magnetic Properties of Tin-Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1995-2002.	0.8	32
20	Kinetic Monte Carlo and density functional study of hydrogen diffusion in magnesium hydride MgH ₂ . International Journal of Hydrogen Energy, 2013, 38, 8350-8356.	3.8	32
21	Black phosphorus-based polyvinylidene fluoride nanocomposites: Synthesis, processing and characterization. Composites Part B: Engineering, 2019, 175, 107165.	5.9	32
22	Magnetocaloric Properties of Zinc-Nickel Ferrites Around Room Temperature. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1943-1947.	0.8	29
23	Tuning the optical and electrical properties of orthorhombic hybrid perovskite CH ₃ NH ₃ PbI ₃ by first-principles simulations: Strain-engineering. Solar Energy Materials and Solar Cells, 2018, 180, 266-270.	3.0	29
24	Adsorption and diffusion on a phosphorene monolayer: a DFT study. Journal of Solid State Electrochemistry, 2018, 22, 11-16.	1.2	28
25	A combined experimental and theoretical study of the magnetic properties of bulk CoFe ₂ O ₄ . Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	27
26	First principle study of strain effect on structural and dehydrogenation properties of complex hydride LiBH ₄ . International Journal of Hydrogen Energy, 2017, 42, 19481-19486.	3.8	26
27	First principle calculations for improving desorption temperature in Mg ₁₆ H ₃₂ doped with Ca, Sr and Ba elements. Bulletin of Materials Science, 2014, 37, 1731-1736.	0.8	25
28	High-ferromagnetism in p-type ZnO diluted magnetic semiconductors. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3433-3441.	1.2	24
29	Ab-initio calculations for the electronic and magnetic properties of Cr doped ZnTe. Computational Condensed Matter, 2018, 15, 15-20.	0.9	24
30	Tunable maximum energy product in CoFe ₂ O ₄ nanopowder for permanent magnet application. Journal of Magnetism and Magnetic Materials, 2018, 467, 129-134.	1.0	24
31	Hydrogen storage properties of perovskite-type MgCo _{1-x} F _x under strain effect. Materials Chemistry and Physics, 2020, 254, 123417.	2.0	24
32	Synthesis and magnetic properties of ferrites spinels Mg _x Cu _{1-x} Fe ₂ O ₄ . Physica B: Condensed Matter, 2012, 407, 27-32.	1.3	23
33	Ab initio, mean field theory and series expansions calculations study of electronic and magnetic properties of antiferromagnetic MnSe alloys. Journal of Magnetism and Magnetic Materials, 2014, 361, 197-200.	1.0	23
34	Phosphorene: A promising candidate for H ₂ storage at room temperature. International Journal of Hydrogen Energy, 2019, 44, 24829-24838.	3.8	23
35	Characteristics of kesterite CZTS thin films deposited by dip-coating technique for solar cells applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 13134-13143.	1.1	23
36	Graphene/Phosphorene nano-heterostructure as a potential anode material for (K/Na)-ion batteries: Insights from DFT and AIMD. Computational Materials Science, 2022, 202, 110936.	1.4	23

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37	Experimental and theoretical investigation of SrFe ₁₂ O ₁₉ nanopowder for permanent magnet application. <i>Ceramics International</i> , 2017, 43, 15999-16006.	2.3	22
38	Design of metal-decorated beryllium carbide (Be ₂ C) as a high-capacity hydrogen storage material with strong adsorption characteristics. <i>Applied Surface Science</i> , 2022, 589, 152960.	3.1	22
39	Efficient production of few-layer black phosphorus by liquid-phase exfoliation. <i>Royal Society Open Science</i> , 2020, 7, 201210.	1.1	21
40	High blocking temperature in SnO ₂ based super-paramagnetic diluted magnetic semiconductor. <i>Journal of Alloys and Compounds</i> , 2014, 614, 401-407.	2.8	19
41	<i>Ab initio</i> calculations of the magnetic properties of TM (Ti, V)-doped zinc-blende ZnO. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850025.	1.0	19
42	Electronic and magnetic structures of FeSn compound investigated by first principle, mean field and series expansions calculations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 414, 249-253.	1.2	18
43	Coexistence of blocked, metamagnetic and canted ferrimagnetic phases at high temperature in Co/Nd ferrite nanorods. <i>Superlattices and Microstructures</i> , 2015, 84, 165-169.	1.4	18
44	Improved thermodynamic properties of doped LiBH ₄ for hydrogen storage: First-principal calculation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16793-16802.	3.8	18
45	Improvement of the hydrogen storage performance of t-graphene-like two-dimensional boron nitride upon selected lithium decoration. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15048-15059.	1.3	18
46	High freezing temperature in SnO ₂ based diluted magnetic semiconductor. <i>Materials Letters</i> , 2014, 126, 193-196.	1.3	17
47	Composite (La _{0.45} Nd _{0.25})Sr _{0.3} MnO ₃ /5CuO materials for magnetic refrigeration applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 449, 25-32.	1.0	17
48	Magnetocaloric and cooling properties of the intermetallic compound AlFe ₂ B ₂ in an AMR cycle system. <i>Intermetallics</i> , 2019, 104, 84-89.	1.8	17
49	<i>Ab initio</i> calculation of Zn _{0.8} Mn _{0.2} O _{1-y} N _y . <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2760-2765.	1.0	15
50	Cation Distribution and Magnetic Interactions in Zn-Substituted Fe(Cu)Fe ₂ O ₄ Ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 2473-2480.	0.8	15
51	First-principles study and electronic structures of Mn-doped ultrathin ZnO nanofilms. <i>Chinese Physics B</i> , 2012, 21, 106601.	0.7	15
52	Electronic and magnetic properties of MnAu nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 354, 159-162.	1.0	15
53	Molecular dynamics study of thermal properties of nanofluids composed of one-dimensional (1-D) network of interconnected gold nanoparticles. <i>Results in Physics</i> , 2019, 15, 102576.	2.0	15
54	Coupling between magnetic and optical properties of GaN:TM (TM: V, Cr, Mn, Fe, Co, Ni): First-principle study with LDA-SIC approximation. <i>Chemical Physics Letters</i> , 2013, 588, 242-246.	1.2	14

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55	Effect of the cations distribution on the magnetic properties of SnFe ₂ O ₄ : First-principles study. Journal of Magnetism and Magnetic Materials, 2017, 436, 6-10.	1.0	14
56	Experimental and theoretical investigation of Nd doped ZnO. Journal of Magnetism and Magnetic Materials, 2017, 444, 416-420.	1.0	14
57	Physicochemical characterization and catalytic performance of Fe doped CuS thin films deposited by the chemical spray pyrolysis technique. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	14
58	Origin of the magnetic properties of MnFe ₂ O ₄ spinel ferrite: Ab initio and Monte Carlo simulation. Journal of Magnetism and Magnetic Materials, 2021, 533, 168016.	1.0	14
59	Origin of Magnetism from Native Point Defects in ZnO. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1145-1150.	0.8	13
60	Electronic and magnetic structures of ferrimagnetic Mn ₂ Sb compound. Journal of Magnetism and Magnetic Materials, 2015, 374, 116-119.	1.0	13
61	Structural, Magnetic, and Magnetocaloric Properties in Rare Earth Orthochromite (Sm, Nd, and) Tj ETQq1 1 0.784314 rgBT / Overlock 10	0.8	13
62	The effects of synthesis conditions on the magnetic properties of zinc ferrite spinel nanoparticles. Journal of Physics: Conference Series, 2016, 758, 012008.	0.3	11
63	Electronic and Magnetic Properties of SnFe ₂ O ₄ Spinel Ferrites. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3035-3038.	0.8	11
64	Vibrational and thermodynamic properties of LiBH ₄ polymorphs from first-principles calculations. International Journal of Hydrogen Energy, 2018, 43, 6625-6631.	3.8	11
65	Electronic structure of C co-doped (Ga, Fe)N-based diluted magnetic semiconductors. European Physical Journal B, 2010, 74, 463-466.	0.6	10
66	Magnetic properties of Zn _{0.9} (Mn _{0.05} ,Ni _{0.05})O nanoparticle: Experimental and theoretical investigation. Journal of Magnetism and Magnetic Materials, 2012, 324, 1945-1947.	1.0	10
67	Understanding ferromagnetism and optical absorption in 3d transition metal-doped cubic ZrO ₂ with the modified Becke-Johnson exchange-correlation functional. Journal of Applied Physics, 2014, 115, 123909.	1.1	10
68	Magnetic Properties and Magnetocaloric Effect in Gd _{100-x} Cox Thin Films. Crystals, 2019, 9, 278.	1.0	10
69	Electronic, magnetic properties and magnetocaloric effect in La _{0.67} Sr _{0.33} MnO ₃ compound: Ab initio calculations and Monte Carlo simulation. Solid State Communications, 2019, 295, 5-11.	0.9	10
70	Experimental and first-principles study of the origin of the magnetic properties of CoFe ₂ O ₄ spinel ferrite. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
71	Engineering the magnetocaloric properties of PrVO ₃ epitaxial oxide thin films by strain effects. Applied Physics Letters, 2020, 117, .	1.5	10
72	Physical properties of Co(Mn)Fe ₂ O ₄ nanomaterials. Physica Scripta, 2013, 88, 015704.	1.2	9

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73	Theoretical investigation of electronic and magnetic properties of HoRh layers. Journal of Magnetism and Magnetic Materials, 2013, 344, 220-223.	1.0	9
74	Synthesis and Magnetic Properties of Bulk Ferrites Spinel Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ : Experimental and Ab-Initio Study. Journal of Superconductivity and Novel Magnetism, 2014, 27, 177-181.	0.8	9
75	Phase diagrams and magnetic properties of double perovskite Ba ₂ CrMoO ₆ . International Journal of Modern Physics B, 2015, 29, 1550174.	1.0	9
76	Magnetic behavior of Mn-doped silicon carbide nanosheet. International Journal of Modern Physics B, 2017, 31, 1750163.	1.0	9
77	Calculated magnetic properties of co-doped CdTe(V, P): First-principles calculations. Computational Condensed Matter, 2017, 13, 87-90.	0.9	9
78	Enhancing of hydrogen storage properties of perovskite-type MgNiH ₃ by introducing cobalt dopant (MgCo _x Ni _{1-x} H ₃) using first-principle calculations. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	9
79	Large Magnetic Entropy Change in Pr _{2/3} Sr _{1/3} MnO ₃ -CuO Composite at Room Temperature. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3579-3585.	0.8	9
80	On the origin of the giant magnetocaloric effect in HoMn ₂ O ₅ single crystals: First principles study and Monte Carlo simulations. Materials Chemistry and Physics, 2019, 231, 366-371.	2.0	9
81	Ferromagnetism in Mn and Fe doped ZrO ₂ by ab-initio calculations. Computational Condensed Matter, 2019, 19, e00361.	0.9	9
82	Magnetism in d ₀ impurities doped CdTe: ab-initio calculations. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	9
83	Synthesis and characterization of magnetic perovskites La _{1-x} Sr _x MnO ₃ : Green catalyst for oxidation of olefins in aqueous medium. Inorganic Chemistry Communication, 2020, 116, 107892.	1.8	9
84	Magnetic properties, magnetocaloric effect and cooling performance of AlFe ₂ B ₂ . $\text{AlFe}_{2-x}\text{B}_2$	1.7	9
85	Revisiting the magnetic and magnetocaloric properties of bulk gadolinium: A combined DFT and Monte Carlo simulations. Physica Scripta, 2021, 96, 015808.	1.2	9
86	Engineered Gd-Co based multilayer stack to enhanced magneto-caloric effect and relative cooling power. Journal of Applied Physics, 2018, 123, .	1.1	8
87	Improved photo-electrochemical properties of strained SnO ₂ . International Journal of Hydrogen Energy, 2020, 45, 11035-11039.	3.8	8
88	The hydrogen storage properties of Mg-intermetallic-hydrides by ab initio calculations and kinetic Monte Carlo simulations. International Journal of Hydrogen Energy, 2020, 45, 11158-11166.	3.8	8
89	M-Type SrFe ₁₂ O ₁₉ Ferrite: An Efficient Catalyst for the Synthesis of Amino Alcohols under Solvent-Free Conditions. Journal of Chemistry, 2020, 2020, 1-10.	0.9	8
90	Enhanced Magnetic and Magnetocaloric Properties of La _{0.45} Nd _{0.25} Sr _{0.3} MnO ₃ /CuO Composite. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2543-2549.	0.8	8

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91	A study of structural, magnetic and magnetocaloric properties of $(1-x)\text{La}_0.6\text{Ca}_0.4\text{MnO}_3/x\text{Mn}_2\text{O}_3$ composite materials. <i>Journal of Alloys and Compounds</i> , 2021, 859, 158392.	2.8	8
92	Study of electronic and magnetic properties of MnS layers. <i>Chinese Physics B</i> , 2012, 21, 127101.	0.7	7
93	Physical Properties of Ferrites Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 3443-3447.	0.8	7
94	Effect of Defects Disorder on the Half-Metallicity, Magnetic Properties, and Gap States of Fe_3O_4 : a First-Principles Study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 3221-3224.	0.8	7
95	Tunable magneto-caloric effect in $\text{Gd}_{1-x}\text{Tbx}$ heterostructures thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 1-3.	1.0	7
96	First principle calculations on pristine and Mn-doped iron fluorophosphates as sodium-ion battery cathode materials. <i>Computational Materials Science</i> , 2022, 206, 111292.	1.4	7
97	Electronic structure of p-type $(\text{Ga,Fe})\text{N}$ diluted magnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2402-2406.	1.0	6
98	Critical behaviour and magnetic properties of A^2B spinel $\text{Zn}_x\text{Cu}_{1-x}\text{Fe}_2\text{O}_4$. <i>Solid State Communications</i> , 2011, 151, 938-942.	0.9	6
99	Magnetic Properties of $\text{Zn}_{0.8}(\text{Fe}_{0.1}\text{Co}_{0.1})\text{O}$ Diluted Magnetic Semiconductors: Experimental and Theoretical Investigation. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 1515-1521.	0.8	6
100	Theoretical investigation of electronic, magnetic and optical properties of Fe doped GaN thin films. <i>Journal of Alloys and Compounds</i> , 2013, 578, 77-81.	2.8	6
101	Chemical control of superparamagnetic properties of SnO_2 diluted magnetic semiconductor. <i>Materials Letters</i> , 2014, 134, 272-275.	1.3	6
102	Study of Electronic and Magnetic Properties of MnAu Nanowire. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2581-2584.	0.8	6
103	Study of electronic and magnetic properties of MnAg layers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 395, 128-134.	1.2	6
104	The enhanced magnetic and magnetocaloric properties of DyNi_4Si nanostructures: First principle study and Monte-Carlo simulation. <i>Ceramics International</i> , 2018, 44, 2453-2457.	2.3	6
105	Magnetic and Structural Properties of Novel Neodymium-Tin Spinel Ferrite Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 381-384.	0.8	6
106	Influence of iron substitution on the ferromagnetic ordering and magnetic entropy variation in $\text{La}_{1-x}\text{Mn}_1\text{Fe}_x\text{O}_3$ ($x=0.1, 0.2$ and $y=0, 0.1$). <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 537, 168194.	1.0	6
107	Stability, Electronic Structure and Thermodynamic Properties of Nanostructured MgH_2 Thin Films. <i>Energies</i> , 2021, 14, 7737.	1.6	6
108	Dynamic stability in phosphorene bilayer with different stacking orders: A first principle study. <i>Materials Science in Semiconductor Processing</i> , 2022, 140, 106341.	1.9	6

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109	Ab-initio Calculation of Half-Metal Ferrimagnetic $\text{Sn}_{0.9}\text{Mn}_{0.05}\text{Co}_{0.05}\text{O}_2$. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2069-2074.	0.8	5
110	Magnetic properties of ferromagnetic diluted $\text{Zn}_{1-x}\text{Cd}_x\text{Cr}_2\text{Se}_4$ spinels are studied by Green's functions, mean field theory and high temperature series expansions theories. Phase Transitions, 2013, 86, 1186-1203.	0.6	5
111	Electronic Structure and Magnetic Properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ Perovskite. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2115-2119.	0.8	5
112	Electronic and Magnetic Properties of MnSb Compounds. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1815-1819.	0.8	5
113	Spin-orbit interaction in SnO_2 based diluted magnetic semiconductor: Ab-initio calculations. Journal of Magnetism and Magnetic Materials, 2021, 535, 168084.	1.0	5
114	Nd-Doping Induced Enhancement in the Antibacterial Activity of Synthesized ZnO Heterostructures. ChemistrySelect, 2020, 5, 11331-11339.	0.7	5
115	Assessment of near $\text{Pr}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ oxide in magnetic cooling. International Journal of Refrigeration, 2022, 133, 302-312.	1.8	5
116	From amorphous red phosphorus to black phosphorus crystal: An optimization, controllable and highest yield synthesis process. Journal of Crystal Growth, 2022, 577, 126408.	0.7	5
117	First-principles study of closo-dodecaborates $\text{M}_2\text{B}_{12}\text{H}_{12}$ ($\text{M} = \text{Li}, \text{Na}, \text{K}$) as solid-state electrolyte materials. Physical Chemistry Chemical Physics, 2021, 23, 27014-27023.	1.3	5
118	Effective field theory and Ab-initio calculation of p-type (Ga, Fe)N within LDA and SIC approximation. Journal of Magnetism and Magnetic Materials, 2013, 330, 141-146.	1.0	4
119	Ferromagnetism from Acceptors of Native Point Defects in (Zn, Mn)O Doped Systems. Journal of Superconductivity and Novel Magnetism, 2013, 26, 151-156.	0.8	4
120	Optical and Magnetic Properties of Half-metallic (Zn, $\epsilon\%$ Mn)O Behaviors with LDA and LDA-SIC Approximations. Journal of Superconductivity and Novel Magnetism, 2013, 26, 229-236.	0.8	4
121	Density of States and magnetic features of CrTe compounds investigated by first principle, mean field and series expansions calculations. Journal of Magnetism and Magnetic Materials, 2015, 379, 213-216.	1.0	4
122	SnO_2 improved thermoelectric properties under compressive strain. Computational Condensed Matter, 2019, 18, e00356.	0.9	4
123	Structural, electronic and magnetic properties of Co-substituted $\text{SrFe}_{12}\text{O}_{19}$: A DFT study. Materials Today Communications, 2021, 28, 102589.	0.9	4
124	Magnetic properties and magnetoresistance effect of SnFe_2O_4 spinel nanoparticles: Experimental, ab initio and Monte Carlo simulation. Ceramics International, 2021, 47, 31886-31893.	2.3	4
125	Stability Study of Mg and Al Doped and Co Doped ZnO Hydrides by Ab Initio Calculations. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2025-2031.	0.8	3
126	Antiferromagnetically Spin Polarized Oxygen and Manganese in MnO Layers Investigated by First Principle and Series Expansions Calculations. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3325-3329.	0.8	3

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127	High temperature magnetic properties of nanocrystalline Sn _{0.95} Co _{0.05} O ₂ . Bulletin of Materials Science, 2014, 37, 563-569.	0.8	3
128	Half-metallic ferromagnetism in TM-doped MgH ₂ hydride. Applied Physics A: Materials Science and Processing, 2015, 119, 1587-1593.	1.1	3
129	Ab Initio, Mean Field and High-Temperature Series Expansion Calculation Study of Structural Stability and Magnetism of MnHg. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2501-2504.	0.8	3
130	Investigation of Electronic and Magnetic Properties of Iron(II)-Bromide Compound by First Principle, Mean Field, Series Expansion Calculations and Monte Carlo Simulation. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2059-2063.	0.8	3
131	First-principles study of electronic, electrical and optical properties of HoMn ₂ O ₅ . Journal of Physics: Conference Series, 2016, 758, 012009.	0.3	3
132	Phosphorene as a promising anode material for lithium-ion batteries: A first-principle study. , 2016, , .		3
133	A study of magnetic and magnetocaloric properties of 0.95 (La _{0.45} Nd _{0.25} Sr _{0.3} MnO ₃)/0.05CuO composites prepared by spray drying. Inorganic Chemistry Communication, 2020, 119, 108129.	1.8	3
134	Magnetic phase transitions of phosphorene-like nano-structure: Monte Carlo study. Philosophical Magazine, 0, , 1-13.	0.7	3
135	Structural, magnetic transition and magnetocaloric properties of La _{1-x} Li _x Mn _{1-y} Fe _y O ₃ (x=0.1, 0.2 and y=0.1, 0.2). Journal of Superconductivity and Novel Magnetism, 2014, 27, 2747-2750.	1.1	3
136	Degradation mechanism of CH ₃ NH ₃ PbI ₃ and enhancing its optical absorption through variety of doping sites. Computational Condensed Matter, 2021, 29, e00611.	0.9	3
137	Structural, electronic and magnetic properties of MnB ₂ . Bulletin of Materials Science, 2015, 38, 1065-1068.	0.8	2
138	Changing the magnetic and optical properties of (Ga, Fe)N and (Ga, Co)N by alloying with oxygen. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	2
139	Cobalt substitution effect on the structure and magnetic properties of Fe ₃ O ₄ nano-particles. Advances in Materials and Processing Technologies, 2022, 8, 401-407.	0.8	2
140	Theoretical investigation of FAPbSnGeX ₃ efficiency. RSC Advances, 2022, 12, 8945-8952.	1.7	2
141	Enhanced magnetic properties of SrFe ₁₂ O ₁₉ through exchange-coupled nanocomposite. Physica Scripta, 2022, 97, 045805.	1.2	2
142	Ab Initio, Mean Field and Series Expansions Calculations Study of Structural, Electronic and Magnetic Properties of MnAs. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2747-2750.	0.8	1
143	Magnetic Properties of Mg _x Cu _{1-x} Cr ₂ O ₄ Spinels are Studied by Different Theoretical Methods. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2073-2082.	0.8	1
144	Calculation of Exchange Constants in Spinels Chromites Zn _x Co _{1-x} Cr ₂ O ₄ . Chinese Physics Letters, 2014, 31, 037501.	1.3	1

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145	Effect of biaxial strain on SnO ₂ bandgap: First-principles calculations. , 2016, , .		1
146	Strain Effect on The Photo-Catalytic Properties of SnO ₂ . , 2017, , .		1
147	Numerical Optimization of the Energetic Performance of a Near Room Temperature Magnetic Refrigerator. , 2017, , .		1
148	Study of Magnetocaloric Effect on Strontium Ferrite SrFe ₁₂ O ₁₉ Ceramic. Journal of Superconductivity and Novel Magnetism, 2019, 32, 367-371.	0.8	1
149	Electronic and magnetic properties of the multiferroic TbMn ₂ O ₅ . Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	1
150	Magnetocaloric effect and electrical properties of (0.95)La _{0.45} Nd _{0.25} Sr _{0.3} MnO ₃ /(0.05)CuO composites. Materials Research Express, 2020, 7, 066102.	0.8	1
151	Band gap engineering of (InGaN) for photovoltaic application. , 2014, , .		0
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