

# Xiao-yu Kuang

## List of Publications by Year in descending order

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110  
papers

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1406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit coupling effect on pressure-induced phase transitions, magnetic, and electronic properties in YFeO <sub>3</sub> : A first-principles study. <i>Chemical Physics</i> , 2022, 555, 111454.	0.9	1
2	Structural Phase Transitions and Quantum Dots Regulation of Perovskite Stannates. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4132-4139.	1.5	2
3	Tuning magnetic Mie-exciton interaction from the intermediate to strong coupling regime in a WSe <sub>2</sub> monolayer coupled with dielectric-metal nanoresonators. <i>Physical Review B</i> , 2022, 105, .	1.1	12
4	Dissociation of dinitrogen on iron clusters: a detailed study of the Fe <sub>16</sub> + N <sub>2</sub> case. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2166-2178.	1.3	6
5	Phase stability and superconductivity of lead hydrides at high pressure. <i>Physical Review B</i> , 2021, 103, .	1.1	60
6	Pressure-induced reconstructive phase transitions, polarization with metallicity, and enhanced hardness in antiperovskite MgCNi <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18221-18226.	1.3	1
7	Insights into the Structures and Bonding of Medium-Sized Cerium-Doped Boron Clusters. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4126-4132.	1.1	9
8	Spectroscopic study of gap-surface plasmons in a metallic convex groove array and their applications in nanofocusing and plasmonic sensing. <i>Physical Review B</i> , 2021, 103, .	1.1	4
9	Single-Layer MX <sub>2</sub> (M = Zn, Cd and X = Cl, I): Auxetic Semiconductors with Strain-Tunable Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12983-12990.	1.5	9
10	Two-Dimensional Fe <sub>8</sub> N Nanosheets: Ferromagnets and Nitrogen Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8453-8459.	2.1	7
11	Pressure-Induced High- $\epsilon^{\circ}$ Dielectric Properties and Multiple Phase Transitions between Novel Nonperovskite and Perovskite Phases in LiSbO <sub>3</sub> : A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 878-885.	1.5	2
12	Ternary Mg-Nb-H polyhydrides under high pressure. <i>Physical Review B</i> , 2021, 104, .	1.1	23
13	Coherent and incoherent coupling dynamics in a two-dimensional atomic crystal embedded in a plasmon-induced magnetic resonator. <i>Physical Review B</i> , 2020, 101, .	1.1	20
14	Investigation of the Structure and Luminescence Mechanism of Tm <sup>3+</sup> -Doped LiYF <sub>4</sub> : New Theoretical Perspectives. <i>Inorganic Chemistry</i> , 2020, 59, 1211-1217.	1.9	11
15	Tuning of Structure Evolution and Electronic Properties through Palladium-Doped Boron Clusters: PdB <sub>16</sub> as a Motif for Boron-Based Nanotubes. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9187-9193.	1.1	11
16	Second group of high-pressure high-temperature lanthanide polyhydride superconductors. <i>Physical Review B</i> , 2020, 102, .	1.1	116
17	Negative Poisson Ratio in Two-Dimensional Tungsten Nitride: Synergistic Effect from Electronic and Structural Properties. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9643-9648.	2.1	32
18	Semiconductor-to-metal reconstructive phase transition and superconductivity of anti-perovskite Ca <sub>3</sub> PN under hydrostatic pressure. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13072-13078.	2.7	6

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19	LiB13: A New Member of Tetrahedral-Typed B13 Ligand Half-Surround Cluster. Scientific Reports, 2020, 10, 1642.	1.6	14
20	Mechanical properties of tantalum carbide from high-pressure/high-temperature synthesis and first-principles calculations. Physical Chemistry Chemical Physics, 2020, 22, 5018-5023.	1.3	24
21	Modification of Geometric and Electronic Structures of Iron Clusters by Nitrogen: Fe8 <sup>+</sup> vs Fe8N <sup>+</sup> . Journal of Physical Chemistry C, 2020, 124, 3867-3872.	1.5	11
22	Strain-induced structural phase transition, electric polarization and unusual electric properties in photovoltaic materials CsMI3 (M = Pb, Sn). RSC Advances, 2020, 10, 12432-12438.	1.7	7
23	Structural evolution and electronic properties of medium-sized boron clusters doped with scandium. Journal of Physics Condensed Matter, 2019, 31, 485302.	0.7	18
24	Probing the structure and electronic properties of beryllium doped boron clusters: A planar BeB16 <sup>+</sup> cluster motif for metallo-borophene. Scientific Reports, 2019, 9, 14367.	1.6	29
25	Structural and Electronic Properties of Medium-Sized Aluminum-Doped Boron Clusters AlB <sub>n</sub> <sup>+</sup> and Their Anions. Journal of Physical Chemistry C, 2019, 123, 6276-6283.	1.5	59
26	Hydrostatic pressure induced structural phase transition and mechanical properties of fluoroperovskite. Journal of Physics Condensed Matter, 2019, 31, 505406.	0.7	7
27	Study of the Geometric Structures, Electronic and Magnetic Properties of Aluminium-Antimony Alloy Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 109-120.	0.7	1
28	Geometric Structures and Electronic Properties of Al <sub>n</sub> VO <sup>+</sup> (n = 5-14) Clusters: Photoelectron Spectroscopy and Theoretical Calculations. Journal of Physical Chemistry C, 2019, 123, 1931-1938.	1.5	12
29	Structural phases arising from reconstructive and isostructural transitions in high-melting-point oxides under hydrostatic pressure: A first-principles study. Physical Review B, 2018, 97, .	1.1	19
30	Probing the Structural and Electronic Properties of Dirhenium Halide Clusters: A Density Functional Theory Study. Scientific Reports, 2018, 8, 6702.	1.6	4
31	Insights into the Microstructure and Transition Mechanism for Nd <sup>3+</sup> -Doped Bi <sub>4</sub> Si <sub>3</sub> O <sub>12</sub> : A Promising Near-Infrared Laser Material. Inorganic Chemistry, 2018, 57, 4563-4570.	1.9	11
32	Structural Stability and Evolution of Medium-Sized Tantalum-Doped Boron Clusters: A Half-Sandwich-Structured TaB <sub>12</sub> <sup>+</sup> Cluster. Inorganic Chemistry, 2018, 57, 343-350.	1.9	132
33	Insights into the effects produced by doping of medium-sized boron clusters with ruthenium. Physical Chemistry Chemical Physics, 2018, 20, 30376-30383.	1.3	39
34	Probing the structural and electronic properties of zirconium doped boron clusters: Zr distorted B <sub>12</sub> ligand framework. Physical Chemistry Chemical Physics, 2018, 20, 23740-23746.	1.3	43
35	Novel type of ferroelectricity in brownmillerite structures: A first-principles study. Physical Review Materials, 2018, 2, .	0.9	8
36	Structure and luminescence properties of a Nd <sup>3+</sup> doped Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> scintillation crystal: new insights from a comprehensive study. Journal of Materials Chemistry C, 2017, 5, 3079-3087.	2.7	27

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37	Evolution of the Structural and Electronic Properties of Medium-Sized Sodium Clusters: A Honeycomb-Like Na <sub>20</sub> Cluster. <i>Inorganic Chemistry</i> , 2017, 56, 1241-1248.	1.9	72
38	Ground State Properties of the Polar Alkali-Metal–Ytterbium and Alkaline-Earth-Metal–Ytterbium Molecules: A Comparative Study. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2187-2193.	1.1	10
39	Theoretical investigation of the electronic structure and luminescence properties for Nd <sub>x</sub> Y <sub>1-x</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> nonlinear laser crystal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7174-7181.	2.7	30
40	Probing the Interactions of O <sub>2</sub> with Small Gold Cluster Au <sub>n</sub> <sup>Q</sup> ( <i>n</i> = 2–10, <i>Q</i> = 0, ±1): A Neutral Chemisorbed Complex Au <sub>5</sub> O <sub>2</sub> Cluster Predicted. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24886-24893.	1.5	24
41	A systematic investigation of the geometries, electronic and magnetic properties of Al <sub>n</sub> As <sub>q</sub> ( <i>n</i> = 1, 0, +1; <i>n</i> = 1–16) clusters: a DFT calculation. <i>Molecular Physics</i> , 2017, 115, 3033-3043.	0.8	3
42	Prediction of Novel High-Pressure Structures of Magnesium Niobium Dihydride. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26169-26176.	4.0	16
43	Exploration of the Structural, Electronic and Tunable Magnetic Properties of Cu <sub>4</sub> M (M = Sc-Ni) Clusters. <i>Materials</i> , 2017, 10, 946.	1.3	5
44	Insights into the geometries, electronic and magnetic properties of neutral and charged palladium clusters. <i>Scientific Reports</i> , 2016, 6, 19656.	1.6	73
45	Probing the structural evolution of ruthenium doped germanium clusters: Photoelectron spectroscopy and density functional theory calculations. <i>Scientific Reports</i> , 2016, 6, 30116.	1.6	45
46	Pressure effect on the properties of magnetic moments and phase transitions in YMnO <sub>3</sub> from first principles. <i>RSC Advances</i> , 2016, 6, 54041-54048.	1.7	6
47	Structural and Electronic Properties of Ruthenium-Doped Germanium Clusters. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8399-8404.	1.5	39
48	Deciphering the Structural Evolution and Electronic Properties of Magnesium Clusters: An Aromatic Homonuclear Metal Mg <sub>17</sub> Cluster. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7947-7954.	1.1	68
49	Probing the low-energy structures of aluminum–magnesium alloy clusters: a detailed study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26177-26183.	1.3	41
50	Dielectric properties of pyridine–ethanol mixtures: density functional theory and experiments. <i>RSC Advances</i> , 2016, 6, 66007-66010.	1.7	8
51	High-temperature- and high-pressure-induced formation of the Laves-phase compound XeS <sub>2</sub> . <i>Physical Review B</i> , 2016, 93, .	1.1	12
52	Structural Evolutions and Crystal Field Characterizations of Tm-Doped YAlO <sub>3</sub> : New Theoretical Insights. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30422-30429.	4.0	33
53	Large polarization and dielectric response in epitaxial SrZrO <sub>3</sub> films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7680-7687.	1.3	11
54	Determination of the microstructure, energy levels and magnetic dipole transition mechanism for Tm <sup>3+</sup> -doped yttrium aluminum borate. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1988-1995.	2.7	17

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55	Study of the Structural and Electronic Properties of Neutral and Charged Niobium-Doped Silicon Clusters: Niobium Encapsulated in Silicon Cages. <i>Journal of Physical Chemistry C</i> , 2016, 120, 677-684.	1.5	89
56	Understanding the structural transformation, stability of medium-sized neutral and charged silicon clusters. <i>Scientific Reports</i> , 2015, 5, 15951.	1.6	52
57	Structure, stability, and superconductivity of new Xe <sup>+</sup> H compounds under high pressure. <i>Journal of Chemical Physics</i> , 2015, 143, 124310.	1.2	13
58	Theoretical study on the ground state of the polar alkali-metal-barium molecules: Potential energy curve and permanent dipole moment. <i>Journal of Chemical Physics</i> , 2015, 142, 034308.	1.2	9
59	Exploration of stable stoichiometries, physical properties and hardness in the Rh <sup>+</sup> Si system: a first-principles study. <i>RSC Advances</i> , 2015, 5, 53497-53503.	1.7	9
60	Ab Initio Search for Global Minimum Structures of Pure and Boron Doped Silver Clusters. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6738-6745.	1.1	62
61	Equation of State, Nonlinear Elastic Response, and Anharmonic Properties of Diamond-Cubic Silicon and Germanium: First-Principles Investigation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015, 70, 403-412.	0.7	4
62	Theoretical studies of the dependence of EPR parameters on local structure for the tetragonal Er <sup>3+</sup> centres in YVO <sub>4</sub> and ScVO <sub>4</sub> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 829-836.	2.0	5
63	Geometries, stabilities and fragmental channels of neutral and charged sulfur clusters: S <sub>n</sub> <sup>+</sup> Q <sup>+</sup> (n = 3–20, Q = 0, ±1). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13590-13597.	1.3	69
64	Prediction of Stable Ruthenium Silicides from First-Principles Calculations: Stoichiometries, Crystal Structures, and Physical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26776-26782.	4.0	42
65	Comparing hydrostatic-pressure- and epitaxial-strain-induced phase transitions in multiferroic PbNiO <sub>3</sub> from first principles. <i>Solid State Communications</i> , 2015, 203, 75-80.	0.9	11
66	Systematic theoretical investigation of geometries, stabilities and magnetic properties of iron oxide clusters (FeO) <sub>n</sub> <sup>±1/4</sup> (n = 1–8, ±1/4 = 0, ±1): insights and perspectives. <i>RSC Advances</i> , 2015, 5, 6560-6570.		74
67	An ab initio study on the electronic and magnetic properties of MgO with intrinsic defects. <i>RSC Advances</i> , 2014, 4, 51366-51373.	1.7	24
68	Theoretical Search for an Iron-Based Magnetic Superhalogen with Halogen or Interhalogen as Ligand. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5885-5894.	1.0	2
69	A Systematic Investigation on Magnetism and Phase Stability of Cobalt. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 254-262.	0.7	2
70	Theoretical investigation on the structural phase transition, elastic properties and hardness of RhSi under high pressure. <i>Journal of Alloys and Compounds</i> , 2014, 592, 42-47.	2.8	13
71	Probing the structural and electronic properties of small aluminum dideuteride clusters. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 53, 168-178.	1.3	3
72	DFT study of size-dependent geometries, stabilities and electronic properties of Si <sub>2</sub> Ag <sub>n</sub> clusters: comparison with pure silver clusters. <i>Molecular Physics</i> , 2014, 112, 972-981.	0.8	6

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73	Probing the structural and electronic properties of bimetallic Group-III metal-doped gold clusters: $Au_nM_2$ ( $M = Na, Mg, Al; n = 1 \sim 8$ ). European Physical Journal D, 2013, 67, 1.	0.6	12
74	Evolution of geometrical structures, stabilities and electronic properties of neutral and anionic $Li_nCu_m$ ( $n \leq 9, m \leq 10, n+m \leq 11$ ) clusters: compare with pure lithium clusters. Molecular Physics, 2013, 111, 569-580.	0.8	7
75	Theoretical search for potential candidates as building blocks of hyperhalogens: $BS_2$ and $CrO_4$ molecules. RSC Advances, 2013, 3, 15449.	1.7	11
76	Effect of pressure on structural phase transition and elastic properties in NiSi. High Pressure Research, 2013, 33, 15-26.	0.4	4
77	Phase Stability, Physical Properties, and Hardness of Transition-Metal Diborides $MB_2$ ( $M = Ti, Zr, Hf, Nb, Ta, Mo, W$ ). Journal of Physical Chemistry: Condensed Matter, 2013, 15, 7843-7851.	1.5	72
78	Investigation of the local structure and EPR spectra for $Nd^{3+}$ in $Bi_4Ge_3O_{12}$ . Chemical Physics Letters, 2013, 557, 182-185.	1.2	7
79	A Systematic Search for Structures, Stabilities, Electronic and Magnetic Properties of Silicon Doped Silver Clusters: Comparison with Pure Silver Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 327-336.	0.7	0
80	Phase stability, mechanical properties, hardness, and possible reactive routing of chromium triboride from first-principle investigations. Journal of Chemical Physics, 2013, 139, 234503.	1.2	10
81	Investigation of Carbon Monoxide Adsorption on Cationic Gold- Palladium Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 651-658.	0.7	6
82	Structural and Electronic Properties of Stable $Au_nIr_2$ ( $n = 1 \sim 7$ ) Clusters: Comparison with Pure Gold Clusters. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 729-738.	0.7	1
83	The defect structure and EPR parameters for $Er^{3+}$ in molybdates: a complete energy matrices study. Molecular Physics, 2012, 110, 3023-3029.	0.8	1
84	Density functional study of the structural and electronic properties of tetra-aluminum oxide ( $3Al_2O_3$ ) clusters. Molecular Physics, 2011, 109, 603-612.	0.8	10
85	Structural, electronic and magnetic properties of gold cluster doped with calcium: $Au_nCa$ ( $n = 1 \sim 8$ ). Molecular Physics, 2011, 109, 315-323.	0.8	16
86	Structural and electronic properties of silver-doped gold clusters $Au_nAg_m$ ( $2 \leq n \leq 10, m \leq 1$ ): compare with pure gold clusters. Molecular Physics, 2011, 109, 2057-2068.	0.8	11
87	Equilibrium Geometries, Stabilities, and Electronic Properties of the Bimetallic $Ag_2$ -doped $Si_n$ ( $n = 1 \sim 11$ ) Clusters: A Density-Functional Investigation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 353-362.	0.7	3
88	Optical and magnetic properties of transition-metal ions in tetrahedral and octahedral compounds. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1796-1800.	2.0	6
89	Direct MP2 molecular dynamics studies of H atom reaction with $CD_4$ and $CH_4$ . International Journal of Quantum Chemistry, 2011, 111, 4433-4442.	1.0	1
90	Theoretical Investigations of the Local Structure Distortion and EPR Parameter for $Ni^{2+}$ -doped Perovskite Fluorides. Chinese Journal of Chemical Physics, 2011, 24, 167-172.	0.6	1

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91	Comparative study of EPR spectra and crystal field effect on local structure for $(\text{NiF}_6)^{4-}$ coordination complex in $\text{Ni}^{2+}:\text{ZnF}_2$ , $\text{NiF}_2$ , and $\text{Ni}^{2+}:\text{MgF}_2$ systems. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 416-421.	0.7	5
92	Theoretical study of electron paramagnetic resonance spectra and local structure of trigonal $[\text{Cr}(\text{H}_2\text{O})_6]^{3+}$ complex in $\text{GASH}:\text{Cr}^{3+}$ and $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}:\text{Cr}^{3+}$ systems at different temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 422-429.	0.7	0
93	Theoretical investigations of the local structure distortion and relationship between the EPR parameter and spin-orbit coupling coefficients for $\text{CsCdX}_3:\text{Ni}^{2+}$ ( $X = \text{Cl}, \text{Br}$ ) systems. <i>Molecular Physics</i> , 2010, 108, 1899-1906.	0.8	3
94	Surface Magnetic Effects in an Alternating Superlattice. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 753-757.	0.7	0
95	Local Structure Determination of Tetragonal $\text{Cr}^{2+}$ Center in CdS Semiconductor. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 507-510.	0.7	0
96	The Curie Temperature of the Ferroelectric Superlattice Films with Surface Modification. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 723-728.	0.7	0
97	Structural, spectral characterization and electron paramagnetic resonance studies of $\text{Ni}^{2+}$ ions in various compounds: $\text{KZnF}_3$ , $\text{CdCl}_2$ , $\text{CdBr}_2$ and $\text{CsMgI}_3$ . <i>Molecular Physics</i> , 2009, 107, 133-141.	0.8	7
98	EPR and optical spectra of $\text{Ni}^{2+}$ in silver chloride and silver bromide. <i>Molecular Physics</i> , 2009, 107, 621-627.	0.8	2
99	Effects of Concentration, Temperature and Hydrostatic Pressure on the Local Lattice Structure of $\text{Ni}^{2+}$ Doped $\text{Zn}(\text{BF}_4)_2 \cdot 6\text{H}_2\text{O}$ Crystal. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2009, 64, 511-517.	0.7	1
100	Effect on the EPR and local lattice structure distortion of $\text{V}^{3+}$ ion doping corundum crystal: three models studied. <i>Molecular Physics</i> , 2008, 106, 1879-1885.	0.8	1
101	Local defect structures and EPR studies on $(\text{FeO}_6)^{9-}$ and $(\text{FeO}_4)^{5-}$ clusters in YGG: $\text{Fe}^{3+}$ system. <i>Molecular Physics</i> , 2008, 106, 2643-2648.	0.8	0
102	Theoretical study of the dependence of EPR spectra on local structure for octahedral $\text{Cr}^{3+}$ centres in oxides and fluorides series. <i>Molecular Physics</i> , 2008, 106, 999-1006.	0.8	7
103	Theoretical study of spin-singlet contributions to zero-field splitting of a $3d^6$ ion in a trigonal ligand field and applications to $\text{Fe}^{2+}$ in $\text{FeSiF}_6 \cdot 6\text{H}_2\text{O}$ and $\text{FeCO}_3$ . <i>Molecular Physics</i> , 2008, 106, 2677-2683.	0.8	1
104	Investigation of local lattice structure around $\text{Cr}^{3+}$ ions at the trigonal and tetragonal sites in $\text{RbCdF}_3:\text{Cr}^{3+}$ crystal. <i>Molecular Physics</i> , 2008, 106, 1033-1038.	0.8	1
105	Phase Transition Properties of a Ferroelectric Superlattice with Surface Modification. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2008, 63, 351-358.	0.7	0
106	Investigation of the Local Lattice Structure and the Effects of the Orbital Reduction Factor on the g Factors of a Trigonal $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$ Cluster in $\text{NiTiF}_6 \cdot 6\text{H}_2\text{O}$ and $\text{ZnSiF}_6 \cdot 6\text{H}_2\text{O}$ Crystals at Different Temperatures. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2008, 63, 609-615.	0.7	1
107	Theoretical study of local lattice structure of $(\text{FeOF}_5)^{4-}$ cluster in diamagnetic pervoskite $\text{RbCdF}_3$ . <i>Molecular Physics</i> , 2008, 106, 723-728.	0.8	0
108	Homotrinary Spin Cluster with Orbital Degeneracy in a Magnetic Field: Algebraic Dynamic Studies of the Geometric Phase January 25, 2008. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2008, 63, 405-411.	0.7	0

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109	EPR Theoretical Study of the Local Lattice Structure of Fe <sup>3+</sup> Doped in MgTiO <sub>3</sub> and LiTaO <sub>3</sub> . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 101-106.	0.7	0
110	The Local Structure Distortion of Chromium-Phosphorus Clusters as Cr <sup>2+</sup> Impurity in InP Semiconductors. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 371-374.	0.7	0