

Peng-Fei Lu

List of Publications by Year in descending order

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164
papers

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164
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164
docs citations

164
times ranked

3357
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and optical properties of Yb/Al/P co-doped silica optical fiber. Journal of Luminescence, 2022, 241, 118513.	1.5	1
2	Influence of ring structures on luminescence properties of trivalent cerium in Ge-doped silica optical fiber. Journal of Non-Crystalline Solids, 2022, 576, 121251.	1.5	2
3	Symmetrical <i>cyclo</i> -N ₅ ⁺ hydrogen bonds: stabilization mechanism of four non-metallic cyclo-pentazolates energetic salts. Physical Chemistry Chemical Physics, 2022, 24, 3970-3983.	1.3	4
4	First-principles study on optoelectronic properties of Cs ₂ PbX ₄ ∞PtSe ₂ van der Waals heterostructures. RSC Advances, 2022, 12, 2292-2299.	1.7	8
5	Hydrogen Bond and π - π Stacking Interaction: Stabilization Mechanism of Two Metal <i>cyclo</i> -N ₅ ⁺ -Containing Energetic Materials. ACS Omega, 2022, 7, 6627-6639.	1.6	3
6	Type∞ van der Waals Heterostructures Based on AsP and Transition Metal Dichalcogenides: Great Promise for Applications in Solar Cell. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	1.2	9
7	Computational Investigation of Two-Dimensional Vanadium Boride Compounds for Na-Ion Batteries. ACS Omega, 2022, 7, 14765-14771.	1.6	9
8	Highly tunable and strongly bound exciton in MoSi_2N_4 via strain engineering. Physical Review B, 2022, 105, .	1.1	11
9	First-principles study of local structure and optical properties of Yb/F co-doped silica glass for optical fiber applications. Optical Materials, 2022, 128, 112388.	1.7	1
10	Doping-engineered biphenylene as a metal-free electrocatalyst for the hydrogen evolution reaction. Sustainable Energy and Fuels, 2022, 6, 3446-3452.	2.5	8
11	Influence of the monovalent bismuth on optical properties in Bi-doped silica optical fiber. Optical Materials, 2022, 131, 112720.	1.7	0
12	Quasiparticle energies and significant exciton effects of monolayered blue arsenic phosphorus conformers. Physical Chemistry Chemical Physics, 2021, 23, 23808-23817.	1.3	11
13	Electronic and Topological Properties of Ultraflat Stanene Functionalized by Hydrogen and Halogen Atoms. Journal of Electronic Materials, 2021, 50, 3334-3340.	1.0	9
14	Activating a Two-Dimensional PtSe ₂ Basal Plane for the Hydrogen Evolution Reaction through the Simultaneous Generation of Atomic Vacancies and Pt Clusters. Nano Letters, 2021, 21, 3857-3863.	4.5	40
15	Hydrogen evolution reaction on in-plane platinum and palladium dichalcogenides via single-atom doping. International Journal of Hydrogen Energy, 2021, 46, 18294-18304.	3.8	23
16	An investigation of Li-decorated N-doped penta-graphene for hydrogen storage. International Journal of Hydrogen Energy, 2021, 46, 25533-25542.	3.8	42
17	Impact of Halogen Substitution on the Electronic and Optical Properties of 2D Lead-Free Hybrid Perovskites. Journal of Physical Chemistry C, 2021, 125, 15742-15750.	1.5	10
18	Defect and Doping Engineered Penta-graphene for Catalysis of Hydrogen Evolution Reaction. Nanoscale Research Letters, 2021, 16, 130.	3.1	19

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19	Anisotropic to Isotropic Transition in Monolayer Group-IV Tellurides. <i>Materials</i> , 2021, 14, 4495.	1.3	4
20	Promising two-dimensional T-silicene as high capacity anode for rechargeable lithium-ion and sodium-ion batteries. <i>Chemical Physics Letters</i> , 2021, 784, 139097.	1.2	8
21	Influence of ring structures on optical absorption of trivalent ytterbium in Yb-doped silica fiber. <i>Journal of Luminescence</i> , 2021, 239, 118370.	1.5	1
22	Effect of intrinsic point defects on the electronic and optical properties of Ho:BYF crystal. <i>Optical Materials</i> , 2021, 121, 111514.	1.7	1
23	Two dimension transition metal boride Y2B2 as a promising anode in Li-ion and Na-ion batteries. <i>Computational Materials Science</i> , 2021, 200, 110776.	1.4	22
24	Interconversion mechanisms of Ge-related oxygen deficient defects in germanium dioxide optical fiber. <i>Journal of Non-Crystalline Solids</i> , 2021, 574, 121153.	1.5	1
25	Hybrid Dissipative and Dispersive Optomechanically Induced Transparency. <i>IEEE Transactions on Quantum Engineering</i> , 2021, 2, 1-8.	2.9	0
26	Defect induced electrocatalytic hydrogen properties of pentagonal PdX ₂ (X = S, Se). <i>RSC Advances</i> , 2021, 11, 38478-38485.	1.7	8
27	Conversion Mechanism From Trivalent Bismuth to Bivalent Bismuth Defect Center in Bi-Doped Silica Optical Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-6.	1.9	8
28	1D/2D Heterostructures as Ultrathin Catalysts for Hydrogen Evolution Reaction. <i>Small</i> , 2020, 16, e2004296.	5.2	10
29	Strain-induced energetic and electronic properties of stanene nanomeshes. <i>Journal of Computational Electronics</i> , 2020, 19, 1357-1364.	1.3	2
30	Ionizing Radiation Effect upon Er/Yb Co-Doped Fibre Made by In-Situ Nano Solution Doping. <i>Journal of Lightwave Technology</i> , 2020, 38, 6334-6344.	2.7	2
31	Fluorine passivation of ODC defects in amorphous germanium dioxide. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120388.	1.5	15
32	Geometric and optical properties of Bi/Er co-doped silica optical fiber. <i>Optical Materials</i> , 2020, 107, 110030.	1.7	5
33	Electronic and optical properties of Ho-doped BYF crystal. <i>Chinese Journal of Physics</i> , 2020, 65, 604-612.	2.0	1
34	Mechanical, electronic and optical properties of bulk and monolayer GeSe ₂ . <i>International Journal of Modern Physics B</i> , 2020, 34, 2050034.	1.0	6
35	First-principles study on composition-dependent properties of quaternary InP _{1-x} As _x Bi _y alloys. <i>Modern Physics Letters B</i> , 2020, 34, 2050111.	1.0	1
36	First-principles study of two-dimensional zirconium nitrogen compounds: Anode materials for Na-ion batteries. <i>Materials Chemistry and Physics</i> , 2020, 250, 123028.	2.0	13

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37	Investigations of interstitial BiO interacting with intrinsic defects in bismuth-doped silica optical fiber. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	3
38	Electronic Properties of Dilute Bismides. Springer Series in Materials Science, 2019, , 1-9.	0.4	0
39	Dilute Bismuth Optical Fibers. Springer Series in Materials Science, 2019, , 381-395.	0.4	0
40	Phosphorus and Nitrogen Containing Dilute Bismides. Springer Series in Materials Science, 2019, , 97-123.	0.4	3
41	The study of oxygen-deficient centers in Al-doped amorphous germanium oxides. Journal of Non-Crystalline Solids, 2019, 525, 119694.	1.5	3
42	Strain Effect on Thermoelectric Performance of InSe Monolayer. Nanoscale Research Letters, 2019, 14, 287.	3.1	40
43	Composition Dependence of Structural and Electronic Properties of Quaternary InGaNBi. Nanoscale Research Letters, 2019, 14, 178.	3.1	9
44	Electronic and luminescence characteristics of Bi/Al co-doped silica optical fiber. Modern Physics Letters B, 2019, 33, 1950325.	1.0	3
45	Phase transitions and elastic properties of InN1-xBi under high pressure. Phase Transitions, 2019, 92, 889-898.	0.6	1
46	Negative Poisson's ratio in monolayer PdSe2. Computational Materials Science, 2019, 160, 309-314.	1.4	29
47	Optical absorption of Bi2+-ODC(II) active center in Bi-doped silica optical fiber. Journal of Luminescence, 2019, 213, 304-309.	1.5	13
48	Thermoelectric Properties of Two-Dimensional Gallium Telluride. Journal of Electronic Materials, 2019, 48, 5988-5994.	1.0	22
49	Geometric and Optical Properties of Cluster Model of Yb-doped Silica Optical Fiber. Journal of Cluster Science, 2019, 30, 1205-1210.	1.7	7
50	Graphene-like carbon-nitrogen materials as anode materials for Li-ion and mg-ion batteries. Applied Surface Science, 2019, 487, 1026-1032.	3.1	85
51	Electronic properties and band offsets in InP(1-x)yBiNy. Modern Physics Letters B, 2019, 33, 1950058.	1.0	6
52	First-principles study of dehydration process of potassium dihydrogen phosphate crystal. Heliyon, 2019, 5, e01384.	1.4	4
53	Electronic and optical properties of Ge-doped silica optical fiber. Modern Physics Letters B, 2019, 33, 1950150.	1.0	2
54	Irreversible Photobleaching of BAC-Si in Bi/Er Co-Doped Optical Fiber under 830 nm Pumping. , 2019, , .		1

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55	Dark Current Characteristic of p-i-n and nBn MWIR InAs/GaSb Superlattice Infrared Detectors. , 2019, , .		1
56	Strain and defect engineered monolayer Ni-MoS ₂ for pH-universal hydrogen evolution catalysis. Nanoscale, 2019, 11, 18329-18337.	2.8	56
57	Temperature Self-Compensated Refractive Index Sensor Based on Fiber Bragg Grating and the Ellipsoid Structure. Sensors, 2019, 19, 5211.	2.1	9
58	Enhanced Photoluminescence of Bi/Er Co-doped Fiber by Quenching and Cooling under 830 nm Pumping. , 2019, , .		0
59	Electronic and luminescence characteristics of interstitial BiO atom in bismuth-doped silica optical fiber. Journal of Luminescence, 2019, 207, 346-350.	1.5	24
60	Electronic and Interface Properties in Graphene Oxide/Hydrogen-terminated Passivated Ge Heterostructure. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800461.	1.2	31
61	Response to comment on "Near-IR luminescence characteristics of monovalent bismuth in Bi-doped pure silica optical fiber: First-principle study", Journal of Luminescence, 2019, 207, 636-639.	1.5	0
62	Structural, stability, and vibrational properties of BiPm clusters. International Journal of Modern Physics B, 2018, 32, 1850117.	1.0	2
63	Crown oxygen-doping graphene with embedded main-group metal atoms. European Physical Journal B, 2018, 91, 1.	0.6	3
64	Near-IR luminescence characteristics of monovalent bismuth in Bi-doped pure silica optical fiber: First-principle study. Journal of Luminescence, 2018, 198, 384-388.	1.5	21
65	Atomic Structures and Electronic States of Divalent Bismuth in Bi-Doped Silica Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-5.	1.9	6
66	Stanene nanomeshes as anode materials for Na-ion batteries. Journal of Materials Chemistry A, 2018, 6, 7933-7941.	5.2	72
67	k · p calculations of bismuth induced changes in band structure of InN _{1-x} Bi _x , GaN _{1-x} Bi _x and AlN _{1-x} Bi _x alloys. Modern Physics Letters B, 2018, 32, 1850126.	1.0	1
68	Influence of Ring Structures on Optical Properties of Trivalent Bismuth in Bi-Doped Silica Optical Fiber. Journal of Cluster Science, 2018, 29, 861-865.	1.7	10
69	Phosphorus Influence on the Photodarkening Effect of Yb-APS Fiber. , 2018, , .		0
70	First-principles characterization of two-dimensional (CH ₃) ₂ (CH ₂) ₃ NH ₃) ₂ (CH ₃) ₃ NH ₃) _{1-x} perovskite. Journal of Materials Chemistry A, 2018, 6, 24389-24396.	4.5	18
71	Phase-selective synthesis of 1T MoS ₂ monolayers and heterophase bilayers. Nature Materials, 2018, 17, 1108-1114.	13.3	348
72	Hydrogen-/fluorine-passivation effects in amorphous silica fiber. Chemical Physics Letters, 2018, 711, 189-193.	1.2	2

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73	Structural disorder in fused silica with ODC(I) defect. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	6
74	Adsorption characteristics of F and Cl atoms on fused silica surface defects. Journal of Non-Crystalline Solids, 2018, 497, 7-11.	1.5	7
75	High n-type and p-type thermoelectric performance of two-dimensional SiTe at high temperature. RSC Advances, 2018, 8, 21280-21287.	1.7	11
76	Effects of Bi on band gap bowing in InP _{1-x} Bi _x alloys. Optical Materials Express, 2018, 8, 1184.	1.6	13
77	Strain dependent electronic and optical properties of PtS ₂ monolayer. Chemical Physics Letters, 2018, 709, 65-70.	1.2	53
78	Conversion mechanisms of peroxy linkage defect in silica optical fiber. Journal of Non-Crystalline Solids, 2018, 498, 103-108.	1.5	5
79	Tunable band gaps in stanene/MoS ₂ heterostructures. Journal of Materials Science, 2017, 52, 5799-5806.	1.7	9
80	First Principles Calculations of Electronic Properties on M ₁₃ Pt ₄₂ (M=Al, Ga, In, Mg, Ca, Sr). Journal of Cluster Science, 2017, 28, 1749-1759.	1.7	8
81	Bi ₂ Te ₃ photoconductive detectors on Si. Applied Physics Letters, 2017, 110, .	1.5	40
82	Fully converged plane-wave-based self-consistent G - W calculations of periodic solids. Physical Review B, 2017, 95, .	1.7	11
83	Robust quasi-ohmic contact against angle rotation in noble transition-metal-dichalcogenide/graphene heterobilayers. RSC Advances, 2017, 7, 45896-45901.	1.7	8
84	Structural, electronic, vibrational and optical properties of Bin clusters. Modern Physics Letters B, 2017, 31, 1750260.	1.0	10
85	Electronic and excitonic properties of two-dimensional and bulk InN crystals. RSC Advances, 2017, 7, 42455-42461.	1.7	34
86	Closing the bandgap for III-V nitrides toward mid-infrared and THz applications. Scientific Reports, 2017, 7, 10594.	1.6	6
87	Quasiparticle and optical properties of strained stanene and stanane. Scientific Reports, 2017, 7, 3912.	1.6	40
88	Novel Dilute Bismide, Epitaxy, Physical Properties and Device Application. Crystals, 2017, 7, 63.	1.0	67
89	Structural and electronic properties of two-dimensional stanene and graphene heterostructure. Nanoscale Research Letters, 2016, 11, 525.	3.1	43
90	First-principles study of the structural, elastic and electronic properties of Pt ₃ M alloys. Journal of Materials Research, 2016, 31, 2956-2963.	1.2	10

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91	First-principle study of hydrogenation on monolayer MoS ₂ . AIP Advances, 2016, 6, .	0.6	34
92	Photoluminescence from tensile-strained Ge quantum dots. , 2016, , .		0
93	Diffusion behavior of ammonium group and its interaction mechanisms with intrinsic defects in fused silica. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	7
94	Structural Properties and Phase Transition of Na Adsorption on Monolayer MoS ₂ . Nanoscale Research Letters, 2016, 11, 330.	3.1	45
95	Tension-induced mechanical properties of stanene. Modern Physics Letters B, 2016, 30, 1650146.	1.0	19
96	Structural and electronic properties of peroxy linkage defect and its interconversion in fused silica. Journal of Non-Crystalline Solids, 2016, 434, 96-101.	1.5	12
97	The effect of Biln hetero-antisite defects in In _{1-x} Pb _x alloy. Journal of Alloys and Compounds, 2016, 674, 21-25.	2.8	10
98	Magnetic properties of ZnO nanowires with Li dopants and Zn vacancies. Thin Solid Films, 2016, 605, 273-276.	0.8	19
99	Li Adsorption on a Monolayer MoS ₂ . Journal of Computational and Theoretical Nanoscience, 2016, 13, 8765-8771.	0.4	0
100	Vibrational properties of epitaxial Bi ₄ Te ₃ films as studied by Raman spectroscopy. AIP Advances, 2015, 5, .	0.6	20
101	Structural and Optical Properties of Point Defects in $\hat{\pm}$ -SiO ₂ Cluster*. Communications in Theoretical Physics, 2015, 64, 244-248.	1.1	10
102	Thermoelectric properties of SnSe compound. Journal of Alloys and Compounds, 2015, 643, 116-120.	2.8	55
103	Hybrid functional investigations of the crystal structure, band gap energy, and elastic coefficients of GaAs _{1-x} Bix solid solutions. Computational Materials Science, 2015, 105, 6-10.	1.4	1
104	Electronic properties of monolayer and bilayer arsenene under in-plane biaxial strains. Superlattices and Microstructures, 2015, 86, 501-507.	1.4	52
105	Electronic structure and optical properties of boron-sulfur symmetric codoping in 4 Å— 4 graphene systems. European Physical Journal B, 2015, 88, 1.	0.6	11
106	Electronic and optical properties of InGaAs/GaAs quantum dots with tunable aspect-ratio. Modern Physics Letters B, 2014, 28, 1450072.	1.0	0
107	Phonon instability and ideal strength of silicene under tension. Computational Materials Science, 2014, 95, 420-428.	1.4	50
108	The Formation Site of Noninterfacial Misfit Dislocations in InAs/GaAs Quantum Dots. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	1

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109	The mechanical properties and stabilities of pristine, hydrogenated, and fluorinated silicene under tension. Proceedings of SPIE, 2014, , .	0.8	3
110	Thermoelectric properties of quaternary (Bi,Sb) ₂ (Te,Se) ₃ compound. Journal of Alloys and Compounds, 2014, 584, 13-18.	2.8	3
111	Vanadium doping on magnetic properties of H-passivated ZnO nanowires. Journal of Materials Science, 2014, 49, 3177-3182.	1.7	14
112	Strain induced composition profile in InGaN/GaN core-shell nanowires. Solid State Communications, 2014, 178, 1-6.	0.9	18
113	First-principles study on electronic and magnetic properties of (Mn,Fe)-codoped ZnO. Journal of Magnetism and Magnetic Materials, 2014, 352, 66-71.	1.0	36
114	Structural and electronic properties of InPBi alloys. Modern Physics Letters B, 2014, 28, 1450140.	1.0	5
115	Structural and electronic properties of wurtzite GaX (X=N, P, As, Sb, Bi) under in-plane biaxial strains. Superlattices and Microstructures, 2014, 67, 25-32.	1.4	8
116	Electronic and magnetic properties of vanadium doped AlN nanosheet under in-plane biaxial strains. Superlattices and Microstructures, 2014, 73, 113-120.	1.4	12
117	InPBi Single Crystals Grown by Molecular Beam Epitaxy. Scientific Reports, 2014, 4, 5449.	1.6	61
118	Bismuth alloying properties in GaAs nanowires. Journal of Solid State Chemistry, 2013, 205, 44-48.	1.4	8
119	A theoretical investigation on thermoelectric performance of ternary (Bi ^{1-x} Sb ^x) ₂ Te ₃ compound. Journal of Materials Science, 2013, 48, 4999-5004.	1.7	3
120	Electronic structure and thermoelectric properties of Bi ₂ (Te ^{1-x} Se ^x) ₃ compound. Solid State Communications, 2013, 155, 34-39.	0.9	2
121	Magnetic properties in (Mn,Fe)-codoped ZnO nanowire. Thin Solid Films, 2013, 548, 480-484.	0.8	12
122	Dependence of electronic properties of germanium on the in-plane biaxial tensile strains. Physica B: Condensed Matter, 2013, 427, 62-67.	1.3	17
123	Structural properties and energetics of GaAs nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 52, 34-39.	1.3	12
124	An Accurate Calculation of Potential Energy Curves and Transition Dipole Moment for Low-Lying Electronic States of CO. Communications in Theoretical Physics, 2013, 59, 193-198.	1.1	11
125	Investigation on structural, electronic, and magnetic properties of Mn-doped Ga ₁₂ N ₁₂ clusters. Journal of Materials Science, 2013, 48, 8552-8558.	1.7	15
126	First-Principles Study of Ag-Doped GaAs Nanowires. Chinese Physics Letters, 2013, 30, 066101.	1.3	1

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127	Ferromagnetism in ZnO with (Mn,Li) codoping. Chinese Physics B, 2013, 22, 037102.	0.7	2
128	General model on polarization compensation in satellite-to-ground quantum communication. Optical Engineering, 2013, 52, 045001.	0.5	2
129	Female Sex Pheromone Blends and Male Response of the Legume Pod Borer, <i>Maruca vitrata</i> (Lepidoptera: Crambidae), in Two Populations of Mainland China. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2013, 68, 416-427.	0.6	8
130	Plastic relaxation and coherency limit in uncapped multi-faceted InAs/GaAs(001) nanoislands. Journal of Applied Physics, 2013, 114, 093504.	1.1	3
131	A Utility-Based Adaptive Resource Scheduling Scheme for Multiple Services in Downlink Multiuser MIMO-OFDMA Systems. , 2013, , .		2
132	Fe-DOPED Ga₁₂N₁₂ CLUSTERS: ELECTRONIC AND MAGNETIC PROPERTIES. Modern Physics Letters B, 2013, 27, 1350222.	1.0	6
133	Structural and Electronic Properties of Neutral Clusters Al₁₂X (X = P, As, Sb,) Tj ETQq1 1 0,784314 rgBT /Over	0.4	5
134	Vector Monte Carlo simulations on atmospheric scattering of polarization qubits. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 448.	0.8	13
135	Female sex pheromone blends and male response of the legume pod borer, <i>Maruca vitrata</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Over of Biosciences, 2013, 68, 416-27.	0.6	5
136	Utility-Based Scheduling Algorithm for Multiple Services in OFDM Cognitive Radio Networks. , 2012, , .		1
137	Wetting layers effect on InAs/GaAs quantum dots. Physica B: Condensed Matter, 2012, 407, 4440-4445.	1.3	16
138	Electronic Structure and Optical Properties of Antimony-Doped SnO₂ from First-Principle Study. Communications in Theoretical Physics, 2012, 57, 145-150.	1.1	23
139	Calculation of critical size of coherent InAs quantum dot on GaAs substrate. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 46, 52-56.	1.3	3
140	The electronic and magnetic properties of (Mn,C)-codoped ZnO diluted magnetic semiconductor. Chinese Physics B, 2012, 21, 097103.	0.7	14
141	The preferential formation site of dislocations in InAs/GaAs quantum dots. Superlattices and Microstructures, 2012, 51, 53-61.	1.4	4
142	Electronic Structure and Optical Properties of Zinc-Blende In_xGa_{1-x}N_yAs_{1-y} by a First-Principles Study. Communications in Theoretical Physics, 2011, 55, 693-701.	1.1	9
143	The optimal structure of two dimensional photonic crystals with the large absolute band gap. Optics Express, 2011, 19, 19346.	1.7	16
144	A density functional theory study on the electronic and magnetic properties of (Mn,N)-codoped ZnO. Proceedings of SPIE, 2011, , .	0.8	0

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145	Analysis of strained nitride quantum dots as threading dislocation filters. Solid State Sciences, 2011, 13, 1809-1812.	1.5	3
146	The structure transition from vertical alignment to anti-alignment of InAs/InP quantum dot multilayers. Solid State Communications, 2011, 151, 1266-1269.	0.9	3
147	Multiple beam splitting to free space from a V groove in a photonic crystal waveguide. Applied Physics B: Lasers and Optics, 2011, 102, 857-861.	1.1	9
148	Structural and electronic properties of neutral clusters Ga ₁₂ X (X=C, Si, Ge, Sn, and Pb) and their anions from first principles. Physica B: Condensed Matter, 2011, 406, 3498-3501.	1.3	4
149	High temperature ferromagnetism in (Mn, Li)-codoped ZnO: First-principles study. , 2011, , .		0
150	Electronic Structure Magnetic Properties and Optical Properties of Co-doped AlN from First Principles. Communications in Theoretical Physics, 2011, 55, 893-900.	1.1	3
151	Equilibrium critical size of coherent InSb/GaSb quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2402-2405.	1.3	10
152	Equilibrium critical thickness for a wurtzite InGaN/GaN heterostructure. Superlattices and Microstructures, 2010, 48, 58-65.	1.4	6
153	Dislocation-induced composition profile in alloy semiconductors. Solid State Communications, 2010, 150, 1275-1278.	0.9	6
154	First-principles study of electronic and optical properties in wurtzite Zn _{1-x} Cu _x O. Chinese Physics B, 2010, 19, 056104.	0.7	13
155	Electronic and optical properties of GaN/AlN quantum dots with adjacent threading dislocations. Chinese Physics B, 2010, 19, 047302.	0.7	4
156	The effect of near laterally and vertically neighboring quantum dots on the composition of uncapped In _x Ga _{1-x} As/GaAs quantum dots. Modelling and Simulation in Materials Science and Engineering, 2010, 18, 085004.	0.8	2
157	The electronic and magnetic properties of (Mn,N)-codoped ZnO from first principles. Journal of Applied Physics, 2010, 108, .	1.1	44
158	STRAIN DISTRIBUTION AND ELECTRONIC STRUCTURE OF SELF-ORGANIZED InAs/GaAs QUANTUM DOTS. Journal of Nonlinear Optical Physics and Materials, 2009, 18, 553-560.	1.1	1
159	Critical lateral dimension for a nanoscale-patterned heterostructure using the finite element method. Semiconductor Science and Technology, 2009, 24, 025029.	1.0	18
160	Molecular dynamics simulations of atomic assembly in the process of GaN film growth. Physica B: Condensed Matter, 2009, 404, 4211-4215.	1.3	14
161	Critical Thickness and Radius for Axial Heterostructure Nanowires Using Finite-Element Method. Nano Letters, 2009, 9, 1921-1925.	4.5	68
162	Critical Thickness of Nano-scale Lattice Mismatched Heterostructures. Indium Phosphide and Related Materials Conference (IPRM), IEEE International Conference on, 2007, , .	0.0	0

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163	Structures of Small Sulfur Clusters S_n ($n=2-8$) from Langevin Molecular Dynamics Methods. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2003, 19, 1102-1107.	2.2	8
164	Resonant structure due to the $3p \rightarrow 3d$ transition in the photoionization of Ca^+ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 288, 95-100.	0.9	1