

# Yingchun Cheng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135  
papers

7,052  
citations

39  
h-index

82  
g-index

145  
ext. papers

8,225  
ext. citations

6.8  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
135	Metal doped black phosphorene for gas sensing and catalysis: A first-principles perspective. <i>Applied Surface Science</i> , <b>2022</b> , 586, 152743	6.7	2
134	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS <sub>2</sub> islands. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 131081	8.5	0
133	Tunable Linearity of High-Performance Vertical Dual-Gate vdW Phototransistors. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008080	24	12
132	Bandgap engineering of layered mono-chalcogenides via pressure. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 155703	2.5	1
131	The mechanism of alkali doping in CsPbBr <sub>3</sub> : A first-principles perspective. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 165110	2.5	4
130	Modulation of electronic and magnetic properties of monolayer chromium trihalides by alloy and strain engineering. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 155104	2.5	1
129	Proximity Enhanced Hydrogen Evolution Reactivity of Substitutional Doped Monolayer WS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 19406-19413	9.5	6
128	Efficiency at maximum power of thermoelectric heat engines with the symmetric semiconductor superlattice. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 129, 114657	3	1
127	Grain-boundary-rich polycrystalline monolayer WS film for attomolar-level Hg sensors. <i>Nature Communications</i> , <b>2021</b> , 12, 3870	17.4	11
126	Gate-Switchable Photovoltaic Effect in BP/MoTe <sub>2</sub> van der Waals Heterojunctions for Self-Driven Logic Optoelectronics. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001802	8.1	12
125	Defect Origin of Emission in CsCuI and Pressure-Induced Anomalous Enhancement. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 317-323	6.4	4
124	Epitaxial growth of large-grain-size ferromagnetic monolayer CrI for valley Zeeman splitting enhancement. <i>Nanoscale</i> , <b>2021</b> , 13, 2955-2962	7.7	3
123	Origin of the improved reactivity of MoS <sub>2</sub> single crystal by confining lattice Fe atom in peroxymonosulfate-based Fenton-like reaction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 298, 120537	21.8	12
122	Photophysics of 2D Organic-Inorganic Hybrid Lead Halide Perovskites: Progress, Debates, and Challenges. <i>Advanced Science</i> , <b>2021</b> , 8, 2001843	13.6	24
121	Enhanced Valley Zeeman Splitting in Fe-Doped Monolayer MoS. <i>ACS Nano</i> , <b>2020</b> , 14, 4636-4645	16.7	32
120	Pressure Effect on Electronic and Excitonic Properties of Purely J-Aggregated Monolayer Organic Semiconductor. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5896-5901	6.4	
119	Switching of the magnetic anisotropy via strain in two dimensional multiferroic materials: CrSX (X = Cl, Br, I). <i>Applied Physics Letters</i> , <b>2020</b> , 116, 052403	3.4	18

118	Spin-Valley Locking Effect in Defect States of Monolayer MoS. <i>Nano Letters</i> , <b>2020</b> , 20, 2129-2136	11.5	27
117	The influence of Ca doping in Bi <sub>2</sub> O <sub>2</sub> Se: A first-principles investigation. <i>Computational Materials Science</i> , <b>2020</b> , 179, 109684	3.2	
116	All roads lead to Rome: Sodiation of different-stacked SnS <sub>2</sub> . <i>Nano Energy</i> , <b>2020</b> , 67, 104276	17.1	6
115	Au-InSe van der Waals Schottky junctions with ultralow reverse current and high photosensitivity. <i>Nanoscale</i> , <b>2020</b> , 12, 4094-4100	7.7	19
114	Layer dependence of stacking order in nonencapsulated few-layer CrI <sub>3</sub> . <i>Science China Materials</i> , <b>2020</b> , 63, 413-420	7.1	20
113	Stability and Phase Transition of Metastable Black Arsenic under High Pressure. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 93-98	6.4	6
112	Inclined Ultrathin BiOSe Films: A Building Block for Functional van der Waals Heterostructures. <i>ACS Nano</i> , <b>2020</b> ,	16.7	16
111	Optimized Parameters for Identifying the Layer Number of Few Layer Chromium Tri-iodide from a Theoretical Perspective: Implications for Two-Dimensional Spintronics. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 8382-8388	5.6	3
110	Observation of nonreciprocal magnetophonon effect in nonencapsulated few-layered CrI. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	16
109	Role of Buffer Layer and Building Unit in the Monolayer CrI Growth: A First-Principles Perspective. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9453-9460	6.4	8
108	Alloy Engineering in Few-Layer Manganese Phosphorus Trichalcogenides for Surface-Enhanced Raman Scattering. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910171	15.6	25
107	Direct-Indirect Transition of Pressurized Two-Dimensional Halide Perovskite: Role of Benzene Ring Stack Ordering. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5687-5693	6.4	12
106	Synthesis of 2D Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheets via the Insertion-Exfoliation-Lithiation Process. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7321-7329	6.1	6
105	Enhanced Valley Splitting of Transition-Metal Dichalcogenide by Vacancies in Robust Ferromagnetic Insulating Chromium Trihalides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18858-18864	9.5	21
104	Triferroic Material and Electrical Control of Valley Degree of Freedom. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12675-12682	9.5	26
103	Half-metal to magnetic semiconductor transition in Mn-doped monolayer Bi <sub>2</sub> O <sub>2</sub> Se tuned by strain. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 480, 73-78	2.8	6
102	In situ growth of monocrystal p-CuGaO <sub>2</sub> nanosheet as a hole transfer layer in a photoelectrode for solar hydrogen production. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 405501	3	3
101	Ligand-Size Related Dimensionality Control in Metal Halide Perovskites. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 18306-18323	6.1	23

100	Quasi-Two-Dimensional Se-Terminated Bismuth Oxychalcogenide (BiOSe). <i>ACS Nano</i> , <b>2019</b> , 13, 13439-13444	16.7	27
99	Pressure-induced metallization of black arsenic. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 505501	1.8	1
98	Highly efficient broadband photodetectors based on lithography-free Au/BiOSe/Au heterostructures. <i>Nanoscale</i> , <b>2019</b> , 11, 20707-20714	7.7	15
97	Coordination Reactions of 5-(2-(4-Bromophenyl)ethynyl)pyrimidine in On-Surface Synthesis. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 8954-8959	3.8	7
96	Synergistic effect of anions and cations in additives for highly efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9264-9270	13	36
95	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor InSe. <i>Nano Letters</i> , <b>2018</b> , 18, 1253-1258	11.5	293
94	Wafer-Scale Ultrathin Two-Dimensional Conjugated Microporous Polymers: Preparation and Application in Heterostructure Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 4010-4017	9.5	10
93	Physics of intrinsic point defects in bismuth oxychalcogenides: A first-principles investigation. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 055701	2.5	16
92	Observation of superconductivity in structure-selected Ti2O3 thin films. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 522-532	10.3	20
91	Recent Advances in van der Waals Heterojunctions Based on Semiconducting Transition Metal Dichalcogenides. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800270	6.4	17
90	Recent Progress of Janus 2D Transition Metal Chalcogenides: From Theory to Experiments. <i>Small</i> , <b>2018</b> , 14, e1802091	11	136
89	Sodium-Induced Reordering of Atomic Stacks in Black Phosphorus. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1350-1356	13.56	44
88	Lead monoxide: a two-dimensional ferromagnetic semiconductor induced by hole-doping. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4520-4525	7.1	9
87	Enhanced valley splitting in monolayer WSe due to magnetic exchange field. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 757-762	28.7	220
86	Highly crystallized FeOOH for a stable and efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2021-2028	13	106
85	First-principles prediction of Tl/SiC for valleytronics. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 10427-10433	7.33	9
84	Efficient and High-Color-Purity Light-Emitting Diodes Based on In Situ Grown Films of CsPbX (X = Br, I) Nanoplates with Controlled Thicknesses. <i>ACS Nano</i> , <b>2017</b> , 11, 11100-11107	16.7	153
83	Intrinsic point defects in inorganic perovskite CsPbI3 from first-principles prediction. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 162106	3.4	75

82	Borophene as an extremely high capacity electrode material for Li-ion and Na-ion batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 15340-7	7.7	272
81	Ultrafast and Highly Reversible Sodium Storage in Zinc-Antimony Intermetallic Nanomaterials. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 543-552	15.6	72
80	Large Spin-Valley Polarization in Monolayer MoTe <sub>2</sub> on Top of EuO(111). <i>Advanced Materials</i> , <b>2016</b> , 28, 959-66	24	183
79	Selective Ionic Transport Pathways in Phosphorene. <i>Nano Letters</i> , <b>2016</b> , 16, 2240-7	11.5	68
78	Edge structures and properties of triangular antidots in single-layer MoS <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2016</b> , 109, 091603	3.4	14
77	Electric Field Effects on Spin Splitting of Two-Dimensional van der Waals Arsenene/FeCl <sub>2</sub> Heterostructures. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5613-5618	3.8	35
76	Superior Properties of Energetically Stable La(2/3)Sr(1/3)MnO(3)/Tetragonal BiFeO <sub>3</sub> Multiferroic Superlattices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10612-6	9.5	32
75	A global view of the phase transitions of SnO <sub>2</sub> in rechargeable batteries based on results of high throughput calculations. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19483-19489	13	17
74	Twin boundary-assisted lithium ion transport. <i>Nano Letters</i> , <b>2015</b> , 15, 610-5	11.5	63
73	Effects of strain on electronic and optic properties of holey two-dimensional C <sub>2</sub> N crystals. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 231904	3.4	109
72	Emergence of topological and topological crystalline phases in TlBiS <sub>2</sub> and TlSbS <sub>2</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 8379	4.9	9
71	Can Na <sup>+</sup> Transport Faster Than Li <sup>+</sup> inside Zn-Sb Intermetallic Nanomaterials?. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1195-1196	0.5	2
70	Order-disorder phase transitions in the two-dimensional semiconducting transition metal dichalcogenide alloys Mo(1-x)W(x)X <sub>2</sub> (X = S, Se, and Te). <i>Scientific Reports</i> , <b>2014</b> , 4, 6691	4.9	45
69	The interface between Gd and monolayer MoS <sub>2</sub> : a first-principles study. <i>Scientific Reports</i> , <b>2014</b> , 4, 7368	4.9	18
68	First principles prediction of the magnetic properties of Fe-X <sub>2</sub> (X = S, C, N, O, F) doped monolayer MoS <sub>2</sub> . <i>Scientific Reports</i> , <b>2014</b> , 4, 3987	4.9	70
67	Pressure controlled transition into a self-induced topological superconducting surface state. <i>Scientific Reports</i> , <b>2014</b> , 4, 4025	4.9	6
66	Photovoltaic Heterojunctions of Fullerenes with MoS <sub>2</sub> and WS <sub>2</sub> Monolayers. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1445-9	6.4	114
65	Origin of the phase transition in lithiated molybdenum disulfide. <i>ACS Nano</i> , <b>2014</b> , 8, 11447-53	16.7	98

64	Spin polarization driven by a charge-density wave in monolayer 1T-TaS <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	24
63	Role of anion doping on electronic structure and magnetism of GdN by first principles calculations. <i>RSC Advances</i> , <b>2014</b> , 4, 1180-1184	3.7	1
62	Enhancement in anomalous Hall resistivity of Co/Pd multilayer and CoPd alloy by Ga + ion irradiation. <i>Europhysics Letters</i> , <b>2014</b> , 105, 46005	1.6	11
61	Lithiation-induced shuffling of atomic stacks. <i>Nano Letters</i> , <b>2014</b> , 14, 5301-7	11.5	17
60	Magnetism by interfacial hybridization and p-type doping of MoS(2) in Fe(4)N/MoS(2) superlattices: a first-principles study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4587-94	9.5	50
59	Valley polarization in magnetically doped single-layer transition-metal dichalcogenides. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	121
58	MoS <sub>2</sub> : A First-Principles Perspective. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2014</b> , 103-128	0.3	3
57	Magnetic and electronic properties of Cu <sub>1-x</sub> FexO from first principles calculations. <i>RSC Advances</i> , <b>2013</b> , 3, 4447	3.7	3
56	Van der Waals epitaxial growth of MoS <sub>2</sub> on SiO <sub>2</sub> /Si by chemical vapor deposition. <i>RSC Advances</i> , <b>2013</b> , 3, 17287	3.7	39
55	Cl-intercalated graphene on SiC: Influence of van der Waals forces. <i>Europhysics Letters</i> , <b>2013</b> , 101, 27008	1.6	10
54	Hole doped Dirac states in silicene by biaxial tensile strain. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 104305	2.5	113
53	Atomic Bonding between Metal and Graphene. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4632-4638	3.8	44
52	Prediction of two-dimensional diluted magnetic semiconductors: Doped monolayer MoS <sub>2</sub> systems. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	419
51	Topological phase diagrams of bulk and monolayer TiS <sub>2-x</sub> Tex. <i>Physical Review Letters</i> , <b>2013</b> , 110, 077202	7.4	38
50	Influence of contact height on the performance of vertically aligned carbon nanotube field-effect transistors. <i>Nanoscale</i> , <b>2013</b> , 5, 2476-81	7.7	3
49	Atomic-scale observation of lithiation reaction front in nanoscale SnO <sub>2</sub> materials. <i>ACS Nano</i> , <b>2013</b> , 7, 6203-11	16.7	128
48	Giant valley drifts in uniaxially strained monolayer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	41
47	Magnetic and electronic properties of Fe <sub>3</sub> O <sub>4</sub> /graphene heterostructures: First principles perspective. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 083711	2.5	4

46	Spin-orbit-induced spin splittings in polar transition metal dichalcogenide monolayers. <i>Europhysics Letters</i> , <b>2013</b> , 102, 57001	1.6	224
45	Two-dimensional ferromagnet/semiconductor transition metal dichalcogenide contacts: p-type Schottky barrier and spin-injection control. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	46
44	Orbital-dependent Rashba coupling in bulk BiTeCl and BiTeI. <i>New Journal of Physics</i> , <b>2013</b> , 15, 023010	2.9	15
43	Series of topological phase transitions in TlTe <sub>2</sub> under strain. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	22
42	Charge carrier density in Li-intercalated graphene. <i>Chemical Physics Letters</i> , <b>2012</b> , 534, 29-33	2.5	33
41	Ferromagnetic half-metallic characteristic in bulk Ni <sub>0.5</sub> M <sub>0.5</sub> O (M=Cu, Zn and Cd): A GGA+U study. <i>Solid State Communications</i> , <b>2012</b> , 152, 1108-1111	1.6	10
40	Oxidation of graphene in ozone under ultraviolet light. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 073110	3.4	67
39	Interaction between single gold atom and the graphene edge: a study via aberration-corrected transmission electron microscopy. <i>Nanoscale</i> , <b>2012</b> , 4, 2920-5	7.7	62
38	Electronic structure of superlattices of graphene and hexagonal boron nitride. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 919-922		85
37	Mechanism of Si intercalation in defective graphene on SiC. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23340		24
36	Electronic and optical properties of new multifunctional materials via half-substituted hematite: first principles calculations. <i>RSC Advances</i> , <b>2012</b> , 2, 10708	3.7	22
35	Mechanical failure of zigzag graphene nanoribbons under tensile strain induced by edge reconstruction. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24676		11
34	Origin of the charge density wave in 1T-TiSe <sub>2</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	28
33	Doping monolayer graphene with single atom substitutions. <i>Nano Letters</i> , <b>2012</b> , 12, 141-4	11.5	464
32	Thinning and functionalization of few-layer graphene sheets by CF <sub>4</sub> plasma treatment. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 268	5	20
31	Role of interlayer coupling in ultra thin MoS <sub>2</sub> . <i>RSC Advances</i> , <b>2012</b> , 2, 7798	3.7	33
30	Epitaxial TiO <sub>2</sub> /SnO <sub>2</sub> core-shell heterostructure by atomic layer deposition. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10665		28
29	Ge-intercalated graphene: The origin of the p-type to n-type transition. <i>Europhysics Letters</i> , <b>2012</b> , 99, 57002	1.6	9

28	Unraveling the atomic structure of ultrafine iron clusters. <i>Scientific Reports</i> , <b>2012</b> , 2, 995	4.9	24
27	Band inversion mechanism in topological insulators: A guideline for materials design. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	59
26	Topological phase transition in layered GaS and GaSe. <i>Physical Review Letters</i> , <b>2012</b> , 108, 266805	7.4	88
25	Strain-activated edge reconstruction of graphene nanoribbons. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	23
24	K-intercalated carbon systems: Effects of dimensionality and substrate. <i>Europhysics Letters</i> , <b>2012</b> , 98, 67003	1.6	24
23	Fluorinated monovacancies in graphene: Even-odd effect. <i>Europhysics Letters</i> , <b>2012</b> , 100, 37003	1.6	12
22	Oxidation of monovacancies in graphene by oxygen molecules. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18284		48
21	Origin of the high p-doping in F intercalated graphene on SiC. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 053117	3.4	28
20	Doped silicene: Evidence of a wide stability range. <i>Europhysics Letters</i> , <b>2011</b> , 95, 17005	1.6	61
19	Giant spin-orbit-induced spin splitting in two-dimensional transition-metal dichalcogenide semiconductors. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	1085
18	Vacancy induced half-metallicity in half-Heusler semiconductors. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	32
17	The origin of the pseudogap in $\beta$ -Ga. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 475502	1.8	1
16	Grüneisen parameter of the G mode of strained monolayer graphene. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	68
15	A route to strong p-doping of epitaxial graphene on SiC. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 193304	3.4	20
14	Stress influence on band-edge luminescence properties of 4H-AlN. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 121902	3.0	2
13	Damping of surface acoustic vibration induced by electrons trapped on SnO <sub>2</sub> nanocrystal surface. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 211903	3.4	6
12	A novel hydrothermal route to synthesize solid SnO <sub>2</sub> nanospheres and their photoluminescence property. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 97, 581-585	2.6	22
11	Optical and vibrational properties of 2H-, 4H-, and 6H-AlN: First-principle calculations. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 083511	2.5	10



10	Catalytic growth of clusters of wurtzite ZnS nanorods through co-deposition of ZnS and Zn on Au film. <i>CrystEngComm</i> , <b>2009</b> , 11, 2260	3.3	9
9	Raman scattering study of zinc blende and wurtzite ZnS. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 123505	2.5	205
8	Optical properties of rocksalt and zinc blende AlN phases: First-principles calculations. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 073707	2.5	51
7	Ab initio determination of lattice dynamics and thermodynamics of $\beta$ -BC2N. <i>Solid State Communications</i> , <b>2008</b> , 146, 69-72	1.6	11
6	Effective passivation on Si nanocrystal surface by peroxide. <i>Journal of Crystal Growth</i> , <b>2007</b> , 304, 86-89	1.6	3
5	Fabrication and characterization of anodic ZnO nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 86, 463-467	2.6	28
4	In situ fabrication of alumina nanotube array and photoluminescence. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 073114	3.4	16
3	Silver nanocrystal superlattices: Self-assembly and optical emission. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 143111	3.4	12
2	Fabrication and field emission property of a Si nanotip array. <i>Nanotechnology</i> , <b>2006</b> , 17, 5573-6	3.4	20
1	Reconfigurable InSe Electronics with van der Waals Integration. <i>Advanced Electronic Materials</i> , 2101176	6.4	1