

Pei-Fei Liu

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.

115
papers

3,391
citations

26
h-index

56
g-index

132
ext. papers

4,518
ext. citations

6
avg, IF

5.58
L-index

#	Paper	IF	Citations
115	From Cc to P63mc: Structural Variation in La ₃ S ₂ Cl ₂ [Sb ₂ S ₃] and La ₃ O ₂ Cl ₂ [Sb ₂ S ₃] Induced by the Isovalent Anion Substitution. <i>Crystal Growth and Design</i> , 2022 , 22, 1437-1444	3.5	0
114	Charge density wave and pressure-dependent superconductivity in the kagome metal CsV ₃ Sb ₅ : A first-principles study. <i>Physical Review B</i> , 2022 , 105,	3.3	3
113	Atomically Dispersed Cobalt in Core-Shell Carbon Nanofiber Membranes as Super-Flexible Freestanding Air-electrodes for Wearable Zn-air Batteries. <i>Energy Storage Materials</i> , 2022 , 47, 365-365	19.4	2
112	Phonon transport in Zintl Ba ₂ ZnAs ₂ and Ba ₂ ZnSb ₂ : A first-principles study. <i>Materials Science in Semiconductor Processing</i> , 2022 , 141, 106446	4.3	2
111	Installation of high-valence tungsten in MIL-125(Ti) for boosted photocatalytic hydrogen evolution. <i>Science China Materials</i> , 2022 , 65, 1237-1244	7.1	0
110	Topological Superconductivity in Rashba Spin-Orbital Coupling Suppressed Monolayer β -Bi ₂ Pd. <i>Materials Today Physics</i> , 2022 , 100674	8	1
109	Computational Study of the Curvature-Promoted Anchoring of Transition Metals for Water Splitting.. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
108	Dual regulation both intrinsic activity and mass transport for self-supported electrodes using in anion exchange membrane water electrolysis. <i>Chemical Engineering Journal</i> , 2021 , 431, 133942	14.7	5
107	First-principles prediction of ideal type-II Weyl phonons in wurtzite ZnSe. <i>Physical Review B</i> , 2021 , 103,	3.3	6
106	Theoretical insights into heterogeneous single-atom Fe ^I catalysts supported by graphene-based substrates for water splitting. <i>Applied Surface Science</i> , 2021 , 540, 148245	6.7	4
105	Surface-structure sensitive chemical diffusivity and reactivity of CO adsorbates on noble metal electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119522	21.8	5
104	Ba ₃ [LiSbS ₂ (S ₂) ₂ Cl ₂]: The first zero-dimensional (0D) lithium metal thioantimonate featuring molecular anions of [LiSbS ₂ (S ₂) ₂ Cl ₂] ⁶⁻ . <i>Journal of Solid State Chemistry</i> , 2021 , 294, 121873	3.3	1
103	Ultralow thermal conductivity in the quaternary semiconducting chalcogenide Cs ₄ [Ho ₂₆ Cd ₇ Se ₄₈] with an unprecedented closed cavity architecture. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1049-1055	6.8	1
102	Structural diversities in centrosymmetric LaSCLaSCL[SbS] and non-centrosymmetric LnSCL[SbS] (Ln = La and Ce): syntheses, crystal and electronic structures, and optical properties. <i>Dalton Transactions</i> , 2021 , 50, 2075-2082	4.3	1
101	High-pressure structural phase transition and metallization in Ga ₂ S ₃ under non-hydrostatic and hydrostatic conditions up to 36.4 GPa. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2912-2918	7.1	10
100	A ₃ Mn ₂ Sb ₃ S ₈ (A = K and Rb): a new type of multifunctional infrared nonlinear optical material based on unique three-dimensional open frameworks. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2835-2843	6.8	6
99	Quadruple-layer group-IV tellurides: low thermal conductivity and high performance two-dimensional thermoelectric materials. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 6388-6396	3.6	6

98	Amino Acid Ionic Liquids Catalyzed d-Glucosamine into Pyrazine Derivatives: Insight from NMR Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2403-2411	5.7	5
97	Beyond the Limit of Goldschmidt Tolerance Factor: Crystal Surface Engineering to Boost the B-Phase Stability of Formamidinium-Only Hybrid Inorganic/Organic Perovskites. <i>Solar Rrl</i> , 2021 , 5, 2100188 ^{7.1}	7.1	3
96	Role of the Interfacial Effect between the Substrate and Co(OH) ₂ Layer in Electrochemical Oxygen Evolution. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9487-9497	6.1	2
95	Significant enhancement of VOCs conversion by facile mechanochemistry coupled MnO ₂ modified fly ash: Mechanism and application. <i>Fuel</i> , 2021 , 304, 121443	7.1	2
94	A novel Mn-activated layered oxide-fluoride perovskite-type KNaMoOF red phosphor for wide gamut warm white light-emitting diode backlights. <i>Dalton Transactions</i> , 2021 , 50, 11189-11196	4.3	1
93	Pollution levels, composition characteristics and sources of atmospheric PM in a rural area of the North China Plain during winter. <i>Journal of Environmental Sciences</i> , 2020 , 95, 172-182	6.4	10
92	Lattice vibrational modes and phonon thermal conductivity of single-layer GaGeTe. <i>Journal of Materiomics</i> , 2020 , 6, 723-728	6.7	6
91	Enhanced adsorption properties of bimetallic RuCo catalyst for the hydrodeoxygenation of phenolic compounds and raw lignin-oil. <i>Chemical Engineering Science</i> , 2020 , 227, 115920	4.4	20
90	Controlled Synthesis of Bifunctional NiCo ₂ O ₄ @FeNi LDH Core/Shell Nanoarray Air Electrodes for Rechargeable Zinc/Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11079-11087	8.3	17
89	Ultralow thermal conductivity from transverse acoustic phonon suppression in distorted crystalline MgAgSb. <i>Nature Communications</i> , 2020 , 11, 942	17.4	26
88	Solvent-free hydrodeoxygenation of bio-lipids into renewable alkanes over NiW bimetallic catalyst under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118718	21.8	20
87	Evidence for Ferroelectricity of All-Inorganic Perovskite CsPbBr Quantum Dots. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3316-3320	16.4	27
86	Complete spin gapless semiconductivity in equiatomic quaternary Heusler material TiZrMnAl. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 508, 166880	2.8	4
85	Electron-phonon coupling superconductivity in two-dimensional orthorhombic MB ₆ (M=Mg,Ca,Ti,Y) and hexagonal MB ₆ (M=Mg,Ca,Sc,Ti). <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
84	Ultrathin Hematite Photoanode with Gradient Ti Doping. <i>Research</i> , 2020 , 2020, 5473217	7.8	5
83	Significant enhancement of the thermoelectric properties of CaP ₃ through reducing the dimensionality. <i>Materials Advances</i> , 2020 , 1, 3322-3332	3.3	6
82	Superconductivity in predicted two dimensional XB ₆ (X = Ga, In). <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1704-1714	7.1	17
81	High Thermoelectric Performance of New Two-Dimensional IV ₃ V ₁ Compounds: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1812-1819	3.8	25

80	The effect of CuFe ₂ O ₄ ferrite phase evolution on 3500 nm waveband emissivity. <i>Ceramics International</i> , 2020 , 46, 7694-7702	5.1	3
79	Effects of structure and electronic properties of spinel ferrites on their emissivity in middle and short wavebands. <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121089	3.3	4
78	Correlation between microstructure and dissolution property of magnesium hydroxide synthesized via magnesia hydroxylation: Effect of hydration agents. <i>Journal of Cleaner Production</i> , 2020 , 249, 119371 ^{10.3}	4	4
77	Prediction of superconductivity and topological aspects in single-layer Bi ₂ Pd. <i>Physical Review B</i> , 2020 , 102,	3.3	4
76	First-principles investigation on the transport properties of quaternary CoFeRGa (R = Ti, V, Cr, Mn, Cu, and Nb) Heusler compounds. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 23185-23194	3.6	5
75	Theoretical dissection of superconductivity in two-dimensional honeycomb borophene oxide B ₂ O crystal with a high stability. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	18
74	A new type of novel salt-inclusion chalcogenide with ultralow thermal conductivity. <i>Chemical Communications</i> , 2020 , 56, 15149-15152	5.8	2
73	Structural, electronic and optical properties of S-doped, Sc-doped and ScS co-doped anatase TiO ₂ : a DFT + U calculation. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	1
72	Multidirectional Intrinsic Piezoelectricity of 2D Metal Chalcogenide Diphosphate ABP ₂ X ₆ Monolayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000321	2.5	9
71	Hydrodeoxygenation of phenolic compounds and raw lignin-oil over bimetallic RuNi catalyst: An experimental and modeling study focusing on adsorption properties. <i>Fuel</i> , 2020 , 281, 118758	7.1	14
70	Ternary multicomponent Ba/Mg/Si compounds with inherent bonding hierarchy and rattling Ba atoms toward low lattice thermal conductivity. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18556-18561 ^{2.6}	9	9
69	Salt-Inclusion Chalcogenide [Ba ₄ Cl ₂][ZnGa ₄ S ₁₀]: Rational Design of an IR Nonlinear Optical Material with Superior Comprehensive Performance Derived from AgGaS ₂ . <i>Chemistry of Materials</i> , 2020 , 32, 8012-8019	9.6	34
68	Trap distribution and photo-stimulated luminescence in LaSrAl ₃ O ₇ :Eu ²⁺ long-lasting phosphors for optical data storage. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 315-323	3.8	13
67	Electron-Rich Ruthenium on Nitrogen-Doped Carbons Promoting Levulinic Acid Hydrogenation to Valerolactone: Effect of Metal Support Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16501-16510	8.3	32
66	Application of first-principles theory in ferrite phases of cemented paste backfill. <i>Minerals Engineering</i> , 2019 , 133, 47-51	4.9	39
65	Prediction of phonon-mediated superconductivity in two-dimensional Mo ₂ B ₂ . <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2589-2595	7.1	29
64	Two-dimensional spin-valley-coupled Dirac semimetals in functionalized SbAs monolayers. <i>Materials Horizons</i> , 2019 , 6, 781-787	14.4	21
63	Novel structures of two-dimensional tungsten boride and their superconductivity. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15327-15338	3.6	12

62	Understanding of transition metal (Ru, W) doping into Nb for improved thermodynamic stability and hydrogen permeability: density functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17538-17545	3.6	4
61	Quaternary semiconductor BaZnGaS featuring unique one-dimensional chains and exhibiting desirable yellow emission. <i>Chemical Communications</i> , 2019 , 55, 7942-7945	5.8	12
60	First-principles study of thermal transport properties in the two- and three-dimensional forms of BiOSe. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10931-10938	3.6	27
59	Thermoelectric Properties of Hexagonal M ₂ (M = As, Sb, and Bi) Monolayers from First-Principles Calculations. <i>Nanomaterials</i> , 2019 , 9,	5.4	16
58	First-principles calculations of thermal transport properties in MoS/MoSe bilayer heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10442-10448	3.6	21
57	Phase Transition and Metallization of Orpiment by Raman Spectroscopy, Electrical Conductivity and Theoretical Calculation under High Pressure. <i>Materials</i> , 2019 , 12,	3.5	8
56	Monolayer Zr ₂ B ₂ : A promising two-dimensional anode material for Li-ion batteries. <i>Applied Surface Science</i> , 2019 , 480, 448-453	6.7	37
55	Understanding Cement Hydration of Cemented Paste Backfill: DFT Study of Water Adsorption on Tricalcium Silicate (111) Surface. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 202	2.4	37
54	Tetragonal and trigonal MoB monolayers: two new low-dimensional materials for Li-ion and Na-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5178-5188	3.6	45
53	Emergence of superconductivity in a Dirac nodal-line Cu ₂ Si monolayer: ab initio calculations. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10926-10932	7.1	13
52	Characterization of the pressure-induced phase transition of metallization for MoTe ₂ under hydrostatic and non-hydrostatic conditions. <i>AIP Advances</i> , 2019 , 9, 065104	1.5	5
51	Topological and superconducting properties in YD ₃ (D=In, Sn, Tl, Pb). <i>Physical Review Materials</i> , 2019 , 3,	3.2	8
50	Pressure-induced metallization in MoSe under different pressure conditions.. <i>RSC Advances</i> , 2019 , 9, 5794-5803	3.7	16
49	Monolayer SnP: an excellent p-type thermoelectric material. <i>Nanoscale</i> , 2019 , 11, 19923-19932	7.7	66
48	Theoretical Study of the Electronic, Magnetic, Mechanical and Thermodynamic Properties of the Spin Gapless Semiconductor CoFeMnSi. <i>Crystals</i> , 2019 , 9, 678	2.3	7
47	Ba ₁₀ Zn ₇ M ₆ Q ₂₆ : Two New Mid-infrared Nonlinear Optical Crystals with T ₂ Supertetrahedron 3D Framework. <i>Crystal Growth and Design</i> , 2019 , 19, 1190-1197	3.5	5
46	First-principles study of electronic structure and superconductivity of PbTa ₂ Se. <i>Materials Research Express</i> , 2019 , 6, 046001	1.7	
45	Solid-State Preparation, Structural Characterization, Physical Properties, and Theoretical Studies of a Series of Novel Rare-Earth Metal Chalcogenides with Unprecedented Closed-Cavities. <i>Crystal Growth and Design</i> , 2019 , 19, 444-452	3.5	8

44	Electronic structure and photoluminescence of Dy ³⁺ single-doped and Dy ³⁺ /Tm ³⁺ co-doped NaBi(WO ₄) ₂ phosphors. <i>Optical Materials</i> , 2019 , 88, 534-539	3.3	15
43	Effects of Impurity Doping on the Luminescence Performance of Mn-Doped Aluminates with the Magnetoplumbite-Type Structure for Plant Cultivation. <i>Materials</i> , 2018 , 12,	3.5	11
42	Sr ₅ ZnGa ₆ S ₁₅ : a new quaternary non-centrosymmetric semiconductor with a 3D framework structure displaying excellent nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1458-1462 ^{6,8}	3.3	33
41	Pressure-induced irreversible metallization accompanying the phase transitions in Sb ₂ S ₃ . <i>Physical Review B</i> , 2018 , 97,	3.3	32
40	Superconductivity in two-dimensional phosphorus carbide (EPC). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12362-12367	3.6	26
39	First-principles study of superconductivity in the two- and three-dimensional forms of PbTiSe ₂ : Suppressed charge density wave in 1T [′] TiSe ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	12
38	Face-centered cubic MoS ₂ : a novel superconducting three-dimensional crystal more stable than layered T-MoS ₂ . <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6046-6051	7.1	8
37	Modifying Disordered Sites with Rational Cations to Regulate Band-Gaps and Second Harmonic Generation Responses Markedly: Ba ₆ Li ₂ ZnSn ₄ S ₁₆ vs Ba ₆ Ag ₂ ZnSn ₄ S ₁₆ vs Ba ₆ Li _{2.67} Sn _{4.33} S ₁₆ . <i>Crystal Growth and Design</i> , 2018 , 18, 5609-5616	3.5	12
36	Hexagonal TiB monolayer: a promising anode material offering high rate capability for Li-ion and Na-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 22168-22178	3.6	49
35	Thermoelectric Properties of Hexagonal WN from First-Principles Calculations. <i>ES Energy & Environments</i> , 2018 ,	2.9	2
34	Experimental and theoretical studies on the NLO properties of two quaternary non-centrosymmetric chalcogenides: BaAgGeS and BaAgSnS. <i>Dalton Transactions</i> , 2018 , 47, 429-437	4.3	38
33	Square transition-metal carbides MC (M = Mo, W) as stable two-dimensional Dirac cone materials. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 732-737	3.6	6
32	Hexagonal M ₂ C ₃ (M = As, Sb, and Bi) monolayers: new functional materials with desirable band gaps and ultrahigh carrier mobility. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12689-12697	7.1	30
31	First-principles calculations of the ultralow thermal conductivity in two-dimensional group-IV selenides. <i>Physical Review B</i> , 2018 , 98,	3.3	48
30	Cobalt Covalent Doping in MoS ₂ to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1801450	24	273
29	Centrosymmetric to noncentrosymmetric structural transformation of new quaternary selenides induced by isolated dimeric [Sn ₂ Se ₄] units: from Ba ₈ Ga ₂ Sn ₇ Se ₁₈ to Ba ₁₀ Ga ₂ Sn ₉ Se ₂₂ . <i>RSC Advances</i> , 2017 , 7, 8082-8089	3.7	7
28	Tailored synthesis of nonlinear optical quaternary chalcogenides: BaGeS ₂ Cl, BaSiSeCl and BaGeSeCl. <i>Dalton Transactions</i> , 2017 , 46, 2715-2721	4.3	29
27	Band-aligned C ₃ N ₄ /S ₃ x/2 stabilizes CdS/CuInGaS ₂ photocathodes for efficient water reduction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3167-3171	13	8

26	Benzoquinone-bridged Co complexes with different magnetic anisotropy induced by solvent molecules. <i>Dalton Transactions</i> , 2017 , 46, 3435-3437	4.3	6
25	Synthesis and characterization of mixed alkali borophosphate with a new 1D chain: Li ₃ Cs ₂ BP ₄ O ₁₄ . <i>Inorganica Chimica Acta</i> , 2017 , 466, 174-179	2.7	7
24	Syntheses, structures, and properties of sulfides constructed by SbS ₄ teeter-totter polyhedra: Ba ₃ La ₄ Ga ₂ Sb ₂ S ₁₅ and BaLa ₃ GaSb ₂ S ₁₀ . <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 123-130	6.8	10
23	Ba ₆ Zn ₇ Ga ₂ S ₁₆ : A Wide Band Gap Sulfide with Phase-Matchable Infrared NLO Properties. <i>Chemistry of Materials</i> , 2017 , 29, 5259-5266	9.6	72
22	Vanadium sulfide sub-microspheres: A new near-infrared-driven photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017 , 498, 442-448	9.3	26
21	Two-dimensional hydrogenated molybdenum and tungsten dinitrides MNH (M = Mo, W) as novel quantum spin hall insulators with high stability. <i>Nanoscale</i> , 2017 , 9, 1007-1013	7.7	11
20	Two Phosphates: Noncentrosymmetric CsMg(PO) and Centrosymmetric CsMgZn(PO). <i>Inorganic Chemistry</i> , 2017 , 56, 845-851	5.1	37
19	Two-dimensional hexagonal M ₃ C ₂ (M = Zn, Cd and Hg) monolayers: novel quantum spin Hall insulators and Dirac cone materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9181-9187	7.1	24
18	Ba ₆ Li ₂ CdSn ₄ S ₁₆ : lithium substitution simultaneously enhances band gap and SHG intensity. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7067-7074	7.1	27
17	Syntheses and characterization of three new sulfides with large band gaps: acentric BaGaSnS, centric BaSnS and BaSnS. <i>Dalton Transactions</i> , 2017 , 46, 14771-14778	4.3	12
16	The effect of indium substitution on the structure and NLO properties of Ba ₆ Cs ₂ Ga ₁₀ Se ₂₀ Cl ₄ . <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 952-958	6.8	23
15	CsBi ₄ Te ₆ : a new facile synthetic method and mid-temperature thermoelectric performance. <i>Dalton Transactions</i> , 2016 , 45, 11931-4	4.3	7
14	Homogeneously dispersed multimetal oxygen-evolving catalysts. <i>Science</i> , 2016 , 352, 333-7	33.3	1459
13	Li ₃ Cs ₂ M ₂ B ₃ P ₆ O ₂₄ (M = Pb, Sr): borophosphates with double six-membered ring of [BP ₂ O ₈](3.). <i>Dalton Transactions</i> , 2016 , 45, 7124-30	4.3	11
12	New quantum spin Hall insulator in two-dimensional MoS ₂ with periodically distributed pores. <i>Nanoscale</i> , 2016 , 8, 4915-21	7.7	19
11	(Cs ₆ Cl) ₆ Cs ₃ [Ga ₅₃ Se ₉₆]: A Unique Long Period-Stacking Structure of Layers Made from Ga ₂ Se ₆ Dimers via Cis or Trans Intralayer Linking. <i>Inorganic Chemistry</i> , 2016 , 55, 1014-6	5.1	8
10	Syntheses, structures, physical and electronic properties of quaternary semiconductors: Cs[RE ₉ Cd ₄ Se ₁₈] (RE = Tb-Tm). <i>Dalton Transactions</i> , 2016 , 45, 5775-82	4.3	11
9	A graphene-like MgN monolayer: high stability, desirable direct band gap and promising carrier mobility. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30379-30384	3.6	24

8	Syntheses of six and twelve membered borophosphate ring structure with nonlinear optical activity. <i>Journal of Solid State Chemistry</i> , 2016 , 243, 259-266	3.3	5
7	Strong IR NLO Material Ba ₄ MGa ₄ Se ₁₀ Cl ₂ : Highly Improved Laser Damage Threshold via Dual Ion Substitution Synergy. <i>Advanced Optical Materials</i> , 2015 , 3, 957-966	8.1	50
6	The roles of Yb-substitution on thermoelectric properties of In ₄ Xb Se ₃ . <i>Acta Materialia</i> , 2015 , 101, 16-218.4	10	
5	Synthesis, crystal and electronic structure, and optical property of the pentanary chalcogenide Ba ₃ KSb ₄ S ₉ Cl. <i>Journal of Solid State Chemistry</i> , 2015 , 232, 37-41	3.3	12
4	Structure disorder of graphitic carbon nitride induced by liquid-assisted grinding for enhanced photocatalytic conversion. <i>RSC Advances</i> , 2014 , 4, 10676-10679	3.7	23
3	Synthesis of well-defined functional crystals by high temperature gas-phase reactions. <i>Science Bulletin</i> , 2014 , 59, 2135-2143		4
2	Novel 2D PC 5 with a Dirac Cone and Edge-Size Dependence. <i>Physica Status Solidi - Rapid Research Letters</i> , 2100203	2.5	1
1	Hydrophobic 1-octadecanethiol functionalized copper catalyst promotes robust high-current CO ₂ gas-diffusion electrolysis. <i>Nano Research</i> , 1	10	1