Li Huang

List of Publications by Year
in descending order

143 papers	6,791 citations	57631 44 h-index	69108 77 g-index
145 all docs	145 docs citations	145 times ranked	8693 citing authors

#	Article	IF	Citations
1	3D charge and 2D phonon transports leading to high out-of-plane ZT in n-type SnSe crystals. Science, 2018, 360, 778-783.	6.0	859
2	Moleculeâ€Doped Nickel Oxide: Verified Charge Transfer and Planar Inverted Mixed Cation Perovskite Solar Cell. Advanced Materials, 2018, 30, e1800515.	11.1	287
3	Alkali Chlorides for the Suppression of the Interfacial Recombination in Inverted Planar Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1803872.	10.2	236
4	Remarkable Roles of Cu To Synergistically Optimize Phonon and Carrier Transport in n-Type PbTe-Cu₂Te. Journal of the American Chemical Society, 2017, 139, 18732-18738.	6.6	230
5	Large enhancement of thermoelectric properties in n-type PbTe via dual-site point defects. Energy and Environmental Science, 2017, 10, 2030-2040.	15.6	194
6	Superior thermoelectric performance in PbTeâ€“PbS pseudo-binary: extremely low thermal conductivity and modulated carrier concentration. Energy and Environmental Science, 2015, 8, 2056-2068.	15.6	185
7	Co single-atom anchored on Co3O4 and nitrogen-doped active carbon toward bifunctional catalyst for zinc-air batteries. Applied Catalysis B: Environmental, 2020, 260, 118188.	10.8	163
8	Multiple Converged Conduction Bands in K₂Bi₈Se₁₃: A Promising Thermoelectric Material with Extremely Low Thermal Conductivity. Journal of the American Chemical Society, 2016, 138, 16364-16371.	6.6	130
9	Room-Temperature Spin-Orbit Torque from Topological Surface States. Physical Review Letters, 2019, 123, 207205.	2.9	129
10	Approaching the lithium-manganese oxides' energy storage limit with Li2MnO3 nanorods for high-performance supercapacitor. Nano Energy, 2018, 43, 168-176.	8.2	128
11	Growth morphology and properties of metals on graphene. Progress in Surface Science, 2015, 90, 397-443.	3.8	123
12	Highly Inâ€Plane Optical and Electrical Anisotropy of 2D Germanium Arsenide. Advanced Functional Materials, 2018, 28, 1707379.	7.8	121
13	Directed self-assembly of monodispersed platinum nanoclusters on graphene MoirÃ© template. Applied Physics Letters, 2009, 95, .	1.5	119
14	Simultaneously enhancing the power factor and reducing the thermal conductivity of SnTe via introducing its analogues. Energy and Environmental Science, 2017, 10, 2420-2431.	15.6	116
15	Highly-anisotropic optical and electrical properties in layered SnSe. Nano Research, 2018, 11, 554-564.	5.8	114
16	Silicon layer intercalation of centimeter-scale, epitaxially grown monolayer graphene on Ru(0001). Applied Physics Letters, 2012, 100, .	1.5	101
17	Direct observation of vast off-stoichiometric defects in single crystalline SnSe. Nano Energy, 2017, 35, 321-330.	8.2	101
18	Mg₃₊_{Î´}Sb_xBi_{2â€“}_x Family: A Promising Substitute for the Stateâ€ofâ€theâ€Art nâ€Type Thermoelectric Materials near Room Temperature. Advanced Functional Materials, 2019, 29, 1807235.	7.8	98

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19	Magnetism and Optical Anisotropy in van der Waals Antiferromagnetic Insulator CrOCl. ACS Nano, 2019, 13, 11353-11362.	7.3	97
20	Structure Distortion Induced Monoclinic Nickel Hexacyanoferrate as Highâ€Performance Cathode for Naâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1803158.	10.2	93
21	Significantly Enhanced Thermoelectric Performance in nâ€type Heterogeneous BiAgSeS Composites. Advanced Functional Materials, 2014, 24, 7763-7771.	7.8	91
22	Fieldâ€Free Programmable Spin Logics via Chiralityâ€Reversible Spinâ€“Orbit Torque Switching. Advanced Materials, 2018, 30, e1801318.	11.1	91
23	Atomicâ€Level Feâ€Nâ€C Coupled with Fe₃Câ€Fe Nanocomposites in Carbon Matrixes as Highâ€Efficiency Bifunctional Oxygen Catalysts. Small, 2020, 16, e1906057.	5.2	90
24	Sequence of Silicon Monolayer Structures Grown on a Ru Surface: from a Herringbone Structure to Silicene. Nano Letters, 2017, 17, 1161-1166.	4.5	86
25	A wafer-scale van der Waals dielectric made from an inorganic molecular crystal film. Nature Electronics, 2021, 4, 906-913.	13.1	86
26	From a normal insulator to a topological insulator in plumbene. Physical Review B, 2017, 95, .	1.1	85
27	Intercalation of metal islands and films at the interface of epitaxially grown graphene and Ru(0001) surfaces. Applied Physics Letters, 2011, 99, .	1.5	83
28	Spinâ€Orbit Torque Switching of a Nearly Compensated Ferrimagnet by Topological Surface States. Advanced Materials, 2019, 31, e1901681.	11.1	81
29	Enhanced current rectification and self-powered photoresponse in multilayer p-MoTe₂/n-MoS₂ van der Waals heterojunctions. Nanoscale, 2017, 9, 10733-10740.	2.8	75
30	Sulphur modulated Ni3FeN supported on N/S co-doped graphene boosts rechargeable/flexible Zn-air battery performance. Applied Catalysis B: Environmental, 2020, 274, 119086.	10.8	73
31	In-Plane Optical Anisotropy and Linear Dichroism in Low-Symmetry Layered TlSe. ACS Nano, 2018, 12, 8798-8807.	7.3	64
32	Theoretical Prediction of Chiral 3D Hybrid Organicâ€“Inorganic Perovskites. Advanced Materials, 2019, 31, e1807628.	11.1	64
33	Onâ€Surface Synthesis of NBNâ€Doped Zigzagâ€Edged Graphene Nanoribbons. Angewandte Chemie - International Edition, 2020, 59, 8873-8879.	7.2	61
34	Synergistically optimizing thermoelectric transport properties of n-type PbTe via Se and Sn co-alloying. Journal of Alloys and Compounds, 2017, 724, 208-221.	2.8	59
35	Atomic size and chemical effects on the local order of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Zr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:ms	1.1	55
36	Surface Mobility Difference between Si and Ge and Its Effect on Growth of SiGe Alloy Films and Islands. Physical Review Letters, 2006, 96, 016103.	2.9	54

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37	Enhanced Electrical and Optoelectronic Characteristics of Few-Layer Type-II SnSe/MoS₂ van der Waals Heterojunctions. ACS Applied Materials & Interfaces, 2017, 9, 42149-42155.	4.0	54
38	Influence of defects on the thermoelectricity in SnSe: A comprehensive theoretical study. Physical Review B, 2018, 97, .	1.1	53
39	Magnetic Order-Induced Polarization Anomaly of Raman Scattering in 2D Magnet CrI₃. Nano Letters, 2020, 20, 729-734.	4.5	52
40	Topological surface electronic states in candidate nodal-line semimetal CaAgAs. Physical Review B, 2017, 96, .	1.1	51
41	Role of Cooperative Interactions in the Intercalation of Heteroatoms between Graphene and a Metal Substrate. Journal of the American Chemical Society, 2015, 137, 7099-7103.	6.6	50
42	Structure and dynamics of liquid Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>36</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Zr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>64</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>byab initi	1.1	48
43	Unexpected Large Hole Effective Masses in SnSe Revealed by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2017, 119, 116401.	2.9	47
44	Strain effect on adatom binding and diffusion in homo- and heteroepitaxies ofSiandGeon(001)Surfaces. Physical Review B, 2004, 70, .	1.1	46
45	Short- and medium-range order in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Zr</mml:mtext></mml:mrow><mml:mrow><mml:mn>73</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Experimental and simulation studies. Physical Review B, 2008, 78, .	1.1	43
46	Dual redox-active copper hexacyanoferrate nanosheets as cathode materials for advanced sodium-ion batteries. Energy Storage Materials, 2020, 33, 432-441.	9.5	43
47	Direct growth of wafer-scale highly oriented graphene on sapphire. Science Advances, 2021, 7, eabk0115.	4.7	43
48	Induced effects by the substitution of Zn in Cu2ZnSnX4 (X= S and Se). Thin Solid Films, 2016, 603, 224-229.	0.8	42
49	Spontaneous Formation of 1D Pattern in Monolayer VSe₂ with Dispersive Adsorption of Pt Atoms for HER Catalysis. Nano Letters, 2019, 19, 4897-4903.	4.5	42
50	Onâ€surface Synthesis of a Semiconducting 2D Metalâ€“Organic Framework Cu₃(C₆O₆) Exhibiting Dispersive Electronic Bands. Angewandte Chemie - International Edition, 2020, 59, 2669-2673.	7.2	42
51	Investigation into the extremely low thermal conductivity in Ba heavily doped BiCuSeO. Nano Energy, 2016, 27, 167-174.	8.2	40
52	Short- and medium-range order in amorphous<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Zr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>alloy. Physical Review B, 2010, 81, .	1.1	38
53	Synthesis and characterization of a single-layer conjugated metalâ€“organic structure featuring a non-trivial topological gap. Nanoscale, 2019, 11, 878-881.	2.8	37
54	Highly Sensitive Polarization Photodetection Using a Pseudo-One-Dimensional Nb_(1â€“x)Ti_xS₃ Alloy. ACS Applied Materials & Interfaces, 2019, 11, 3342-3350.	4.0	35

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55	Direct atomic scale characterization of the surface structure and planar defects in the organic-inorganic hybrid CH3NH3PbI3 by Cryo-TEM. Nano Energy, 2020, 73, 104820.	8.2	35
56	Synergistic Effects of C/Î±-MoC and Ag for Efficient Oxygen Reduction Reaction. Journal of Physical Chemistry Letters, 2018, 9, 779-784.	2.1	33
57	Probing the Ferromagnetism and Spin Wave Gap in VI₃ by Helicity-Resolved Raman Spectroscopy. Nano Letters, 2020, 20, 6024-6031.	4.5	32
58	Hybrid phosphorene/graphene nanocomposite as an anode material for Na-ion batteries: a first-principles study. Journal Physics D: Applied Physics, 2017, 50, 165501.	1.3	31
59	NBNâ€Doped Bisâ€Tetracene and Periâ€Tetracene: Synthesis and Characterization. Angewandte Chemie - International Edition, 2021, 60, 26115-26121.	7.2	29
60	The Electronic Transport Channel Protection and Tuning in Real Space to Boost the Thermoelectric Performance of Mg _{3+ Î´} Sb _{2- y} Bi _y near Room Temperature. Research, 2020, 2020, 1672051.	2.8	29
61	Pressure-driven orbital selective insulator-to-metal transition and spin-state crossover in cubic CoO. Physical Review B, 2012, 85, .	1.1	28
62	Perovskite Solar Cells: Alkali Chlorides for the Suppression of the Interfacial Recombination in Inverted Planar Perovskite Solar Cells (Adv. Energy Mater. 19/2019). Advanced Energy Materials, 2019, 9, 1970068.	10.2	28
63	Epitaxial growth of large-area bilayer graphene on Ru(0001). Applied Physics Letters, 2014, 104, .	1.5	27
64	Size- and Strain-Dependent Electronic Structures in H-Passivated Si [112] Nanowires. Journal of Physical Chemistry C, 2008, 112, 15680-15683.	1.5	25
65	Collective Spin Manipulation in Antiferroelastic Spin-Crossover Metallo-Supramolecular Chains. ACS Nano, 2020, 14, 11283-11293.	7.3	24
66	Two-Dimensional Co2S2 monolayer with robust ferromagnetism. Scientific Reports, 2017, 7, 15993.	1.6	23
67	Sizable Band Gap in Epitaxial Bilayer Graphene Induced by Silicene Intercalation. Nano Letters, 2020, 20, 2674-2680.	4.5	23
68	Ultrathin ternary semiconductor TlGaSe ₂ phototransistors with broad-spectral response. 2D Materials, 2017, 4, 035021.	2.0	22
69	Growth of a predicted two-dimensional topological insulator based on InBi-Si(111)- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:mn>7</mml:mn></mml:msqrt><mml:mo>Ã—</mml:mo> Physical Review B, 2018, 98, .	1.1	22
70	Design and Synthesis of a Single-Layer Ferromagnetic Metalâ€“Organic Framework with Topological Nontrivial Gaps. Journal of Physical Chemistry C, 2020, 124, 27017-27023.	1.5	22
71	Thermodynamic Preference for Atom Adsorption on versus Intercalation into Multilayer Graphene. Journal of Physical Chemistry Letters, 2020, 11, 9725-9730.	2.1	21
72	Tuning the morphology of chevron-type graphene nanoribbons by choice of annealing temperature. Nano Research, 2018, 11, 6190-6196.	5.8	20

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73	Dopantâ€Free Hole Transporting Molecules for Highly Efficient Perovskite Photovoltaic with Strong Interfacial Interaction. Solar Rrl, 2019, 3, 1900319.	3.1	20
74	Onâ€Surface Synthesis of NBNâ€Doped Zigzagâ€Edged Graphene Nanoribbons. Angewandte Chemie, 2020, 132, 8958-8964.	1.6	20
75	Polarizationâ€Mediated Thermal Stability of Metal/Oxide Heterointerface. Advanced Materials, 2015, 27, 6934-6938.	11.1	19
76	Origin of polymorphism of the two-dimensional group-IV monochalcogenides. Physical Review B, 2017, 96, .	1.1	19
77	Local Structural Changes and Inductive Effects on Ion Conduction in Antiperovskite Solid Electrolytes. Chemistry of Materials, 2020, 32, 8827-8835.	3.2	19
78	Insulating SiO₂ under Centimeter-Scale, Single-Crystal Graphene Enables Electronic-Device Fabrication. Nano Letters, 2020, 20, 8584-8591.	4.5	19
79	Effects of Oxygen Impurities on Glass-Formation Ability in Zr₂Cu Alloy. Journal of Physical Chemistry B, 2016, 120, 9223-9229.	1.2	18
80	First-principles study of intercalation of alkali ions in FeSe for solid-state batteries. Chemical Physics Letters, 2016, 659, 230-233.	1.2	18
81	Quantum anomalous Hall insulator phase in asymmetrically functionalized germanene. Physical Review B, 2017, 96, .	1.1	18
82	Scalable Van der Waals Encapsulation by Inorganic Molecular Crystals. Advanced Materials, 2022, 34, e2106041.	11.1	18
83	Transition metals doped CuAlSe₂for promising intermediate band materials. Materials Research Express, 2016, 3, 045905.	0.8	16
84	Unusual lattice thermal conductivity in the simple crystalline compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mi>Tl</mml:mi><mml:mi>X</mml:mi></mml:mr mathvariant="normal">Te</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrov Physical Review B, 2019, 100, .	1.1	16
85	Low-index surface energies, cleavage energies, and surface relaxations for crystalline NiAl from first-principles calculations. Surface Science, 2020, 695, 121532.	0.8	16
86	Force-Activated Isomerization of a Single Molecule. Journal of the American Chemical Society, 2020, 142, 10673-10680.	6.6	16
87	Two distinct superconducting states controlled by orientations of local wrinkles in LiFeAs. Nature Communications, 2021, 12, 6312.	5.8	16
88	Electronic localization of quantum-well states in Ag/Au(111) metallic heterostructures. Physical Review B, 2011, 84, .	1.1	15
89	Coverage-Dependent Collective Diffusion of a Dense Pb Wetting Layer on Si(111). Physical Review Letters, 2012, 108, 026101.	2.9	15
90	Polymer-Assisted Single Crystal Engineering of Organic Semiconductors To Alter Electron Transport. ACS Applied Materials & Interfaces, 2018, 10, 11837-11842.	4.0	15

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91	Raman spectra and dimensional effect on the charge density wave transition in GdTe3. Applied Physics Letters, 2019, 115, .	1.5	15
92	Magnetism of elemental two-dimensional metals. Journal of Materials Chemistry C, 2021, 9, 4554-4561.	2.7	15
93	Two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi>Si</mml:mi><mml:mn mathvariant="normal">N</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> monolayers and van der Waals heterostructures: Promising spintronic properties and band alignments. Physical Review Materials, 2022, 6, .	0.9	15
94	Evolution of a symmetry gap and synergetic quantum well states in ultrathin Ag films on Au(111) substrates. Europhysics Letters, 2007, 78, 57003.	0.7	14
95	Ab initiomolecular dynamics simulations of short-range order in Zr50Cu45Al5and Cu50Zr45Al5metallic glasses. Journal of Physics Condensed Matter, 2016, 28, 085102.	0.7	14
96	Medium-range icosahedral order in quasicrystal-forming Zr2Pd binary metallic glass. Applied Physics Letters, 2011, 98, .	1.5	13
97	Thickness-dependent energetics for Pb adatoms on low-index Pb nanofilm surfaces: First-principles calculations. Physical Review B, 2017, 96, .	1.1	13
98	Pressureâ€Controlled Structural Symmetry Transition in Layered InSe. Laser and Photonics Reviews, 2019, 13, 1900012.	4.4	13
99	Grapheneâ€“Silicon Layered Structures on Singleâ€Crystalline Ir(111) Thin Films. Advanced Materials Interfaces, 2015, 2, 1400543.	1.9	12
100	Prediction of two-dimensional organic topological insulator in metal-DCB lattices. Applied Physics Letters, 2018, 113, .	1.5	12
101	Enhanced Electrochemical Performance in Aluminium Doped Î´-MnO2 Supercapacitor Cathode: Experimental and Theoretical Investigations. Chemical Communications, 2021, , .	2.2	12
102	Comparative study of local atomic structures in Zr2CuxNi1â^'x (xâ€‰=â€‰0, 0.5, 1) metallic glasses. Journal of Applied Physics, 2015, 118, .	1.1	11
103	Structure engineering: extending the length of azaacene derivatives through quinone bridges. Journal of Materials Chemistry C, 2018, 6, 3628-3633.	2.7	10
104	Probing Mechanistic Insights into Highly Efficient Lithium Storage of C₆₀ Fullerene Enabled via Threeâ€Electronâ€Redox Chemistry. Advanced Science, 2021, 8, e2101759.	5.6	10
105	Facile approach to prepare FeP2/P/C nanofiber heterostructure via electrospinning as highly performance self-supporting anode for Li/Na ion batteries. Electrochimica Acta, 2022, 403, 139682.	2.6	10
106	Interlayer Quasi-Bonding Interactions in 2D Layered Materials: A Classification According to the Occupancy of Involved Energy Bands. Journal of Physical Chemistry Letters, 2021, 12, 11998-12004.	2.1	10
107	First-principles study of adsorption and diffusion on Ge/Si(001)-(2Ã—8) and Ge/Si(105)-(1Ã—2) surfaces. Surface Science, 2007, 601, 3067-3072.	0.8	9
108	Synthesis of low-symmetry 2D Ge_(1â^'x)Sn_xSe₂ alloy flakes with anisotropic optical response and birefringence. Nanoscale, 2019, 11, 23116-23125.	2.8	9

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109	Observation of an Incommensurate Charge Density Wave in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TiSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2022, 128, 026401.	9.2	9
110	Line defects in monolayer TiSe2 with adsorption of Pt atoms potentially enable excellent catalytic activity. Nano Research, 2022, 15, 4687-4692.	5.8	9
111	Coherent Transport Through a Quantum Dot Embedded in a Double-Slit-Like Aharonov-Bohm Ring. Chinese Physics Letters, 2002, 19, 1505-1508.	1.3	8
112	Structural and electronic properties of Al7In (n=1,2,3). Chemical Physics Letters, 2006, 420, 125-129.	1.2	8
113	Giant magnetic anisotropy of a two-dimensional metalâ€“dicyanoanthracene framework. Nanoscale, 2018, 10, 17335-17340.	2.8	8
114	Ion storage mechanism of Î´-MnO2 as supercapacitor cathode in multi-ion aqueous electrolyte: Experimental and theoretical analysis. Applied Physics Letters, 2021, 119, 163901.	1.5	7
115	Failure mechanism of solid-state electrolyte Li₁₀GeP₂S₁₂ in a moist atmosphere: a first-principles study. Materials Advances, 2022, 3, 3143-3150.	2.6	7
116	Structure of Cu64.5Zr35.5 metallic glass by reverse Monte Carlo simulations. Journal of Applied Physics, 2014, 115, 053522.	1.1	6
117	Controlling the Polarity of the Molecular Beam Epitaxy Grown In-Bi Atomic Film on the Si(111) Surface. Scientific Reports, 2019, 9, 756.	1.6	6
118	Thermally activated magnetization back-hopping based true random number generator in nano-ring magnetic tunnel junctions. Applied Physics Letters, 2019, 114, .	1.5	6
119	Orbital-fluctuation freezing and magnetic-nonmagnetic phase transition in Î±-TiBr3. Applied Physics Letters, 2020, 117, 133103.	1.5	6
120	Prediction of massless Dirac fermions in a carbon nitride covalent network. Applied Physics Letters, 2021, 118, .	1.5	6
121	Mo-edge reconstructions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mn> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> : Reexamination of the mechanism. Physical Review B, 2021, 104.	1.1	6
122	Synthesis of Singleâ€Layer Twoâ€Dimensional Metalâ€“Organic Frameworks M₃(HAT)₂ (M=Ni, Fe, Co, HAT=1,4,5,8,9,12â€hexaazatriphenylene) Using an Onâ€Surface Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
123	Observation of Ultrastrong Coupling between Substrate and the Magnetic Topological Insulator MnBi₂Te₄. Nano Letters, 2022, 22, 3856-3864.	4.5	6
124	Unveiling the medium-range order in glass models and its role in glass formation. Physical Review B, 2020, 101, .	1.1	5
125	Single-element amorphous palladium nanoparticles formed via phase separation. Nano Research, 2022, 15, 5575-5580.	5.8	5
126	Submonolayer Ag films on Fe(100): A first-principles analysis of energetics controlling adlayer thermodynamics and kinetics. Physical Review B, 2016, 93, .	1.1	4

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127	NBNâ€Doped Bisâ€Tetracene and Periâ€Tetracene: Synthesis and Characterization. Angewandte Chemie, 0, , .	1.6	4
128	Spinâ€“valley Hall phenomena driven by Van Hove singularities in blistered graphene. Npj Computational Materials, 2020, 6, .	3.5	4
129	Synthesis of Singleâ€Layer Twoâ€Dimensional Metalâ€“Organic Frameworks M₃(HAT)₂ (M=Ni, Fe, Co, HAT=1,4,5,8,9,12â€hexaazatriphenylene) Using an Onâ€Surface Reaction. Angewandte Chemie, 2022, 134, .	1.6	4
130	Improper multiferroiclike transition in a metal. Physical Review B, 2022, 105, .	1.1	4
131	Spin Hall effect in two-dimensional InSe: Interplay between Rashba and Dresselhaus spin-orbit couplings. Physical Review B, 2022, 105, .	1.1	4
132	Quantitative Analysis of Cation Selectivity of the Electrodes in Multi-ion Electrolytes Based on 2H-Phase MoS2. Journal of Physical Chemistry C, 2020, 124, 9665-9672.	1.5	3
133	Strain-induced light emission enhancement in CsPbBr3 microwires. Journal of Materials Science, 2022, 57, 5061-5071.	1.7	3
134	Construction and physical properties of low-dimensional structures for nanoscale electronic devices. Physical Chemistry Chemical Physics, 2022, 24, 9082-9117.	1.3	3
135	Intrinsically patterned corrals in monolayer Ag5Se2 and selective molecular co-adsorption. Nano Research, 2022, 15, 6730-6735.	5.8	3
136	Thermoelectrics: Mg₃₊_{Î´}Sb_xBi_{2â€“}_x Family: A Promising Substitute for the Stateâ€ofâ€theâ€Art nâ€Type Thermoelectric Materials near Room Temperature (Adv. Funct. Mater. 4/2019). Advanced Functional Materials, 2019, 29, 1970020.	7.8	2
137	Interaction of two symmetric monovacancy defects in graphene. Chinese Physics B, 2019, 28, 046801.	0.7	2
138	Surface Defect Modulation with Intercalation Ion Doping Vanadium Oxide to Enhance Zinc Storage Performance. Energy & Fuels, 2022, 36, 2872-2879.	2.5	2
139	Controlling magnetic interfaces using ordered surface alloys. Physical Review B, 2016, 94, .	1.1	1
140	Investigation of phosphorus surface segregation by X-ray scattering measurements. Surface Science, 2005, 580, 51-56.	0.8	0
141	The total ionizing dose effect of magnetometers system based on tunneling magnetoresistance sensor. , 2018, , .		0
142	Scalable Van der Waals Encapsulation by Inorganic Molecular Crystals (Adv. Mater. 7/2022). Advanced Materials, 2022, 34, .	11.1	0
143	Reversible motions and disordered structure of soft particles in amorphous solids. Physical Review B, 2022, 105, .	1.1	0