

# Wei Cao

## List of Publications by Year in descending order

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125  
papers

2,876  
citations

218677

26  
h-index

214800

47  
g-index

125  
all docs

125  
docs citations

125  
times ranked

3982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous Dispersions of Few-Layered and Monolayered Hexagonal Boron Nitride Nanosheets from Sonication-Assisted Hydrolysis: Critical Role of Water. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2679-2685.	3.1	519
2	Interfacial ferroelectricity by van der Waals sliding. <i>Science</i> , 2021, 372, 1462-1466.	12.6	262
3	Fabrication of FeNi hydroxides double-shell nanotube arrays with enhanced performance for oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118193.	20.2	99
4	Robust superlubricity by strain engineering. <i>Nanoscale</i> , 2019, 11, 2186-2193.	5.6	67
5	Mass Production of Mesoporous $\text{MnCo}_2\text{O}_4$ Spinel with Manganese(IV)- and Cobalt(II)-Rich Surfaces for Superior Bifunctional Oxygen Electrocatalysis. <i>Angewandte Chemie</i> , 2017, 129, 15173-15177.	2.0	61
6	Preparation and first-principles study for electronic structures of BiOI/BiOCl composites with highly improved photocatalytic and adsorption performances. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 1-11.	4.8	52
7	Adsorption and separation of $\text{CO}_2/\text{CH}_4$ mixtures using nanoporous adsorbents by molecular simulation. <i>Fluid Phase Equilibria</i> , 2014, 362, 227-234.	2.5	49
8	Cryorolling impacts on microstructure and mechanical properties of AISI 316 LN austenitic stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 270-276.	5.6	42
9	Generalized Scaling Law of Structural Superlubricity. <i>Nano Letters</i> , 2019, 19, 7735-7741.	9.1	42
10	The pH-controlled morphology transition of $\text{BiVO}_4$ photocatalysts from microparticles to hollow microspheres. <i>Materials Letters</i> , 2015, 145, 52-55.	2.6	41
11	Brazing $\text{ZrB}_2\text{-SiC}$ ceramics to $\text{Ti6Al4V}$ alloy with $\text{TiCu}$ -based amorphous filler. <i>Journal of Manufacturing Processes</i> , 2017, 30, 516-522.	5.9	41
12	Molecular Simulation Study of the Adsorption and Diffusion of a Mixture of $\text{CO}_2/\text{CH}_4$ in Activated Carbon: Effect of Textural Properties and Surface Chemistry. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 4139-4147.	1.9	40
13	Magnetic Superatoms in $\text{VLi}_n$ ( $n = 1-13$ ) Clusters: A First-Principles Prediction. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13025-13036.	2.5	38
14	Molecular Origin of Superlubricity between Graphene and a Highly Hydrophobic Surface in Water. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2978-2984.	4.6	37
15	Origin of hydration lubrication of zwitterions on graphene. <i>Nanoscale</i> , 2018, 10, 16887-16894.	5.6	36
16	Controlled synthesis of hierarchical flower-like $\text{Sb}_2\text{WO}_6$ microspheres: Photocatalytic and superhydrophobic property. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 93-100.	5.8	34
17	First-Principles Prediction of Two-Dimensional $\text{B}_3\text{C}_2\text{P}_3$ and $\text{B}_2\text{C}_4\text{P}_2$ : Structural Stability, Fundamental Properties, and Renewable Energy Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3436-3442.	4.6	34
18	Replication of Leaf Surface Structures for Light Harvesting. <i>Scientific Reports</i> , 2015, 5, 14281.	3.3	33

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19	Separation of Two-Electron Photoexcited Atomic Processes near the Inner-Shell Threshold. <i>Physical Review Letters</i> , 2009, 102, 143001.	7.8	32
20	Metallic Contact between MoS <sub>2</sub> and Ni via Au Nanoglue. <i>Small</i> , 2018, 14, e1704526.	10.0	32
21	Water in Narrow Carbon Nanotubes: Roughness Promoted Diffusion Transition. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19124-19132.	3.1	32
22	Resonant inelastic x-ray scattering at the limit of subfemtosecond natural lifetime. <i>Journal of Chemical Physics</i> , 2011, 134, 144308.	3.0	30
23	Strain enhanced lithium adsorption and diffusion on silicene. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6563-6568.	2.8	30
24	Synthesis of Ag-loaded Sb <sub>2</sub> WO <sub>6</sub> microsphere with enhanced photocatalytic ability for organic dyes degradations under different light irradiations. <i>Journal of Molecular Liquids</i> , 2018, 272, 27-36.	4.9	30
25	Exfoliation of Two-Dimensional Materials: The Role of Entropy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 981-986.	4.6	30
26	Chemical effects in the K <sup>12</sup> X-ray emission spectra of sulfur. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 260, 642-646.	1.4	28
27	First Observation of Two-Electron One-Photon Transitions in Single-Photon $K$ -Shell Double Ionization. <i>Physical Review Letters</i> , 2011, 107, 053001.	7.8	27
28	Controlled cold rolling effect on microstructure and mechanical properties of Ce-modified SAF 2507 super duplex stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 766, 138352.	5.6	27
29	Relative detection efficiency of back- and front-illuminated charge-coupled device cameras for x-rays between 1keV and 18keV. <i>Review of Scientific Instruments</i> , 2007, 78, 093102.	1.3	26
30	Application of the high-resolution grazing-emission x-ray fluorescence method for impurities control in semiconductor nanotechnology. <i>Journal of Applied Physics</i> , 2009, 105, 086101.	2.5	25
31	Molecular Interactions of Protein with TiO <sub>2</sub> by the AFM-Measured Adhesion Force. <i>Langmuir</i> , 2017, 33, 11626-11634.	3.5	25
32	Ultrafast, Stable Ionic and Molecular Sieving through Functionalized Boron Nitride Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30430-30436.	8.0	25
33	Recent understanding of solid-liquid friction in ionic liquids. <i>Green Chemical Engineering</i> , 2021, 2, 145-157.	6.3	25
34	The magnetic properties of Fe <sub>x</sub> Zn <sub>1-x</sub> O synthesized via the solid-state reaction route: Experiment and theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 340, 5-9.	2.3	24
35	Effect of Rolling Temperature on Microstructure Evolution and Mechanical Properties of AISI316LN Austenitic Stainless Steel. <i>Materials</i> , 2018, 11, 1557.	2.9	23
36	Loading AgCl@Ag on phosphotungstic acid modified macrocyclic coordination compound: Z-scheme photocatalyst for persistent pollutant degradation and hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 50-59.	9.4	23

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37	A computational study of antireflection structures bio-mimicked from leaf surface morphologies. <i>Solar Energy</i> , 2016, 131, 131-137.	6.1	22
38	Transition Metal Adsorbed-Doped ZnO Monolayer: 2D Dilute Magnetic Semiconductor, Magnetic Mechanism, and Beyond 2D. <i>ACS Omega</i> , 2017, 2, 1192-1197.	3.5	22
39	Observation of ultralow-level Al impurities on a silicon surface by high-resolution grazing emission x-ray fluorescence excited by synchrotron radiation. <i>Physical Review B</i> , 2009, 80, .	3.2	21
40	Double $K$ -shell photoionization and hypersatellite x-ray transitions of $^{12}\text{C}$ . <i>Physical Review A</i> , 2010, 82, .	2.5	21
41	Ionic-liquid assisted ultrasonic synthesis of BiOCl with controllable morphology and enhanced visible light and sunlight photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2016, 418-419, 132-137.	4.8	21
42	Nanosecond laser coloration on stainless steel surface. <i>Scientific Reports</i> , 2017, 7, 7092.	3.3	21
43	Extrusion temperature impacts on biometallic Mg-2.0Zn-0.5Zr-3.0Gd (wt%) solid-solution alloy. <i>Journal of Alloys and Compounds</i> , 2018, 739, 468-480.	5.5	21
44	Dissociation of chloromethanes upon resonant $\tilde{J}f^*$ excitation studied by x-ray scattering. <i>Journal of Chemical Physics</i> , 2013, 139, 134302.	3.0	19
45	Microstructures, Mechanical Properties, and Corrosion Behavior of As-Cast Mg-2.0Zn-0.5Zr-xGd (wt %) Biodegradable Alloys. <i>Materials</i> , 2018, 11, 1564.	2.9	19
46	AFM Study of pH-Dependent Adhesion of Single Protein to $\text{TiO}_2$ Surface. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900411.	3.7	19
47	Determination of the small amount of proteins interacting with $\text{TiO}_2$ nanotubes by AFM-measurement. <i>Biomaterials</i> , 2019, 192, 368-376.	11.4	19
48	Family of Two-Dimensional Transition Metal Dichlorides: Fundamental Properties, Structural Defects, and Environmental Stability. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2165-2172.	4.6	19
49	Harnessing photo/electro-catalytic activity via nano-junctions in ternary nanocomposites for clean energy. <i>Nanoscale</i> , 2020, 12, 23461-23479.	5.6	18
50	Surface plasmon-driven photocatalytic activity of $\text{Ni@NiO/NiCO}_3$ core-shell nanostructures. <i>RSC Advances</i> , 2021, 11, 2733-2743.	3.6	18
51	Exploring Mechanisms of Hydration and Carbonation of MgO and $\text{Mg(OH)}_2$ in Reactive Magnesium Oxide-Based Cements. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6196-6206.	3.1	18
52	Grazing angle X-ray fluorescence from periodic structures on silicon and silica surfaces. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 98, 65-75.	2.9	17
53	Introducing Magnetism into 2D Nonmagnetic Inorganic Layered Crystals: A Brief Review from First-Principles Aspects. <i>Crystals</i> , 2018, 8, 24.	2.2	17
54	Depth profiling of dopants implanted in Si using the synchrotron radiation based high-resolution grazing emission technique. <i>X-Ray Spectrometry</i> , 2012, 41, 98-104.	1.4	16

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55	High-energy-resolution grazing emission X-ray fluorescence applied to the characterization of thin Al films on Si. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 88, 136-149.	2.9	16
56	Effect of brazing temperature on microstructure and mechanical properties of TiAl/ZrB <sub>2</sub> joint brazed with CuTiZrNi filler. <i>Journal of Manufacturing Processes</i> , 2019, 46, 170-176.	5.9	16
57	Phase and morphology controllable synthesis of superhydrophobic Sb <sub>2</sub> O <sub>3</sub> via a solvothermal method. <i>Journal of Alloys and Compounds</i> , 2017, 721, 149-156.	5.5	16
58	DoubleK-shell ionization of Al induced by photon and electron impact. <i>Physical Review A</i> , 2009, 79, .	2.5	15
59	Diffusion of CO <sub>2</sub> /CH <sub>4</sub> confined in narrow carbon nanotube bundles. <i>Molecular Physics</i> , 2016, 114, 2530-2540.	1.7	15
60	Fluorination to enhance superlubricity performance between self-assembled monolayer and graphite in water. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 44-53.	9.4	15
61	Depth profiles of Al impurities implanted in Si wafers determined by means of the high-resolution grazing emission X-ray fluorescence technique. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 445-449.	2.9	14
62	Ionic hydration of Na <sup>+</sup> inside carbon nanotubes, under electric fields. <i>Fluid Phase Equilibria</i> , 2013, 353, 1-6.	2.5	14
63	The effect of H <sub>2</sub> O <sub>2</sub> desorption on achieving improved selectivity for direct synthesis of H <sub>2</sub> O <sub>2</sub> over TiO <sub>2</sub> (B)/anatase supported Pd catalyst. <i>Catalysis Communications</i> , 2017, 89, 69-72.	3.3	14
64	Water Diffusion in Wiggling Graphene Membranes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7251-7258.	4.6	14
65	Vacuum ultraviolet excitation luminescence spectroscopy of few-layered MoS <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 015301.	1.8	13
66	Molecular Behavior of Water on Titanium Dioxide Nanotubes: A Molecular Dynamics Simulation Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 4131-4138.	1.9	12
67	Role of ultrafast dissociation in the fragmentation of chlorinated methanes. <i>Journal of Chemical Physics</i> , 2018, 148, 174301.	3.0	12
68	Vacuum brazing ZrSiAl composite ceramics to TC4 alloy with Ag-Cu filler. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8627-8635.	5.8	12
69	In-situ quantification and density functional theory elucidation of phase transformation in carbon steel during quenching and partitioning. <i>Acta Materialia</i> , 2021, 221, 117361.	7.9	12
70	First-principles study of monolayer MoS <sub>2</sub> with deficient and excessive Mo and S (n = 3) clusters on 5 Å × 5 supercells. <i>Computational Materials Science</i> , 2016, 121, 124-130.	3.0	11
71	Nickel nanoparticle-activated MoS <sub>2</sub> for efficient visible light photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2022, 14, 8601-8610.	5.6	11
72	Shape-controlled hydrothermal synthesis of superhydrophobic and superoleophilic BaMnF <sub>4</sub> micro/nanostructures. <i>CrystEngComm</i> , 2016, 18, 3585-3593.	2.6	10

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73	Porous coordination polymer coatings fabricated from $\text{Cu}_3(\text{BTC})_2 \cdot 3\text{H}_2\text{O}$ with excellent superhydrophobic and superoleophilic properties. <i>New Journal of Chemistry</i> , 2016, 40, 10554-10559.	2.8	10
74	Orienting spins in dually doped monolayer $\text{MoS}_2$ : from one-sided to double-sided doping. <i>Chemical Communications</i> , 2017, 53, 5428-5431.	4.1	10
75	Structural and dynamical properties of chlorinated hydrocarbons studied with resonant inelastic x-ray scattering. <i>Journal of Chemical Physics</i> , 2016, 144, 134309.	3.0	9
76	Mechano-nanofluidics: water transport through CNTs by mechanical actuation. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	9
77	Brazing Ti-48Al-2Nb-2Cr Alloys with Cu-Based Amorphous Alloy Filler. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 920.	2.5	9
78	Excellent Protein Immobilization and Stability on Heterogeneous $\text{CaTiO}_2$ Hybrid Nanostructures: A Single Protein AFM Study. <i>Langmuir</i> , 2020, 36, 9323-9332.	3.5	9
79	Synchrotron-radiation-based determination of Xe L-subshell Coster-Kronig yields: A reexamination via high-resolution x-ray spectroscopy. <i>Physical Review A</i> , 2010, 81, .	2.5	8
80	Carbon nanostructure based mechano-nanofluidics. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 033001.	2.6	8
81	Impacts of ionic liquid capping on the morphology and photocatalytic performance of $\text{SbPO}_4$ crystals. <i>CrystEngComm</i> , 2018, 20, 4305-4312.	2.6	8
82	Impact of various dopant elements on the electronic structure of $\text{Cu}_2\text{ZnSnS}_4$ (CZTS) thin films: a DFT study. <i>CrystEngComm</i> , 2020, 22, 5786-5791.	2.6	8
83	Vacancy-Induced Niobate Perovskite-Tungsten Bronze Composite for Synergetic Tuning of Ferroelectricity and Band Gaps. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8890-8898.	3.1	8
84	L-subshell Coster-Kronig yields of palladium determined via synchrotron-radiation-based high-resolution x-ray spectroscopy. <i>Physical Review A</i> , 2009, 80, .	2.5	7
85	X-RAY PHOTOEMISSION ELECTRON MICROSCOPE DETERMINATION OF ORIGINS OF ROOM TEMPERATURE FERROMAGNETISM AND PHOTOLUMINESCENCE IN $\text{Co}_x\text{Zn}_{1-x}\text{O}$ FILMS. <i>Surface Review and Letters</i> , 2014, 21, 1450058.	2.5	7
86	Formation of stable resonant Auger decay in $\text{CH}_3$ . <i>Physical Review A</i> , 2016, 94, .	2.5	7
87	Separation of valence states in thin films with mixed $\text{V}_2\text{O}_5$ and $\text{V}_7\text{O}_{16}$ phases. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 211, 47-54.	1.7	7
88	Confined molecular motion across liquid/liquid interfaces in a triphasic reaction towards free-standing conductive polymer tube arrays. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6290-6294.	10.3	7
89	Tensile Creep Characterization and Prediction of Zr-Based Metallic Glass at High Temperatures. <i>Metals</i> , 2018, 8, 457.	2.3	7
90	Direct Measurement of Adhesions of Liquids on Graphite. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11671-11676.	3.1	7

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91	Impacts of Stress Relief Treatments on Microstructure, Mechanical and Corrosion Properties of Metal Active-Gas Welding Joint of 2205 Duplex Stainless Steel. <i>Materials</i> , 2020, 13, 4272.	2.9	7
92	Ab initio study of hydrogen sensing in Pd and Pt functionalized GaN [0001] nanowires. <i>Applied Surface Science</i> , 2020, 512, 146019.	6.1	7
93	Unveiling Non-isothermal Crystallization of $\text{CaO-Al}_2\text{O}_3\text{-B}_2\text{O}_3\text{-Na}_2\text{O-Li}_2\text{O-SiO}_2$ Glass via <i>In Situ</i> X-ray Scattering and Raman Spectroscopy. <i>Inorganic Chemistry</i> , 2022, 61, 7017-7025.	4.0	7
94	Adsorption of N-Butane/I-Butane in Zeolites: Simulation and Theory Study. <i>Separation Science and Technology</i> , 2014, 49, 1215-1226.	2.5	6
95	[Ni(2,2'-bipy)3]Cl2 activated sepiolite clay with high photocatalytic and oil-water separation abilities. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 33-42.	5.8	6
96	Synergistic effect of Ni-Ag-rutile $\text{TiO}_2$ ternary nanocomposite for efficient visible-light-driven photocatalytic activity. <i>RSC Advances</i> , 2020, 10, 36930-36940.	3.6	6
97	The interaction of two-dimensional $\hat{I}^{\pm}$ - and $\hat{I}^2$ -phosphorus carbide with environmental molecules: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11307-11313.	2.8	6
98	Hydrophilicity effect on $\text{CO}_2/\text{CH}_4$ separation using carbon nanotube membranes: insights from molecular simulation. <i>Molecular Simulation</i> , 2017, 43, 502-509.	2.0	5
99	One-pot hydrothermal synthesis of $\text{Zn}_4\text{O}_4$ concave microspheres with superhydrophobic and superoleophilic properties. <i>CrystEngComm</i> , 2017, 19, 528-536.	2.6	5
100	$\text{SbVO}_4$ nanoparticles synthesized via three facile one-pot methods: controllable morphologies and superhydrophobic coatings. <i>Dalton Transactions</i> , 2017, 46, 12988-12995.	3.3	5
101	Comparison of Synthetic Routes for Large-scale Synthesis of Spherical $\text{BiVO}_4$ with Photocatalytic and Superhydrophobic Properties. <i>Chemistry Letters</i> , 2018, 47, 148-151.	1.3	5
102	Incorporation of Si atoms into CrCoNiFe high-entropy alloy: a DFT study. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 135703.	1.8	5
103	Magnetic properties of the Cu-doped $\text{ZnO}_{1-x}\text{Fe}_x$ experiments and theory. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 157502.	0.5	5
104	High-resolution KMM radiative Auger x-ray emission spectra of calcium induced by synchrotron radiation. <i>Physical Review A</i> , 2011, 83, .	2.5	4
105	Quantification of strain through linear dichroism in the Si 1s edge X-ray absorption spectra of strained $\text{Si}_{1-x}\text{Ge}_x$ thin films. <i>Applied Surface Science</i> , 2013, 265, 358-362.	6.1	4
106	Adsorption of binary $\text{CO}_2/\text{CH}_4$ mixtures using carbon nanotubes: Effects of confinement and surface functionalization. <i>Separation Science and Technology</i> , 2016, 51, 1079-1092.	2.5	4
107	Antireflective design of Si-based photovoltaics via biomimicking structures on black butterfly scales. <i>Solar Energy</i> , 2020, 204, 738-747.	6.1	4
108	Double display="inline"> of Pd induced by impact with medium-energy electrons. <i>Physical Review A</i> , 2011, 83, .	2.5	4

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109	STRUCTURAL COLOR MODEL BASED ON SURFACE MORPHOLOGY OF MORPHO BUTTERFLY WING SCALE. <i>Surface Review and Letters</i> , 2016, 23, 1650046.	1.1	3
110	Evolution of lithium clusters to superatomic Li <sub>30</sub> <sup>+</sup> . <i>Applied Physics Letters</i> , 2017, 111, .	3.3	3
111	The effect of surface wrinkles on the properties of water in graphene slit pores. <i>Molecular Simulation</i> , 2020, 46, 604-615.	2.0	3
112	Discerning phase-matrices for individual nitride inclusions within ultra-high-strength steel: experiment driven DFT investigation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1456-1461.	2.8	3
113	Interlayer Registry Index of Layered Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3353-3359.	4.6	3
114	Testing spatial noncommutativity via magnetic hyperfine structure induced by fractional angular momentum of Rydberg system. <i>Europhysics Letters</i> , 2012, 98, 40002.	2.0	2
115	Silicon 1s near edge X-ray absorption fine structure spectroscopy of functionalized silicon nanocrystals. <i>Journal of Chemical Physics</i> , 2016, 145, 154703.	3.0	2
116	Enhanced diffusion on oscillating surfaces through synchronization. <i>Physical Review E</i> , 2018, 97, 022141.	2.1	2
117	Double K-shell photoionization of low-Z atoms and He-like ions. <i>European Physical Journal: Special Topics</i> , 2009, 169, 23-27.	2.6	1
118	Single-photon double K-shell ionization of low-Z atoms. <i>Journal of Physics: Conference Series</i> , 2010, 212, 012006.	0.4	1
119	Breakdown of ionic character of molecular alkali bromides in inner-valence photoionization. <i>Journal of Chemical Physics</i> , 2014, 140, 204321.	3.0	1
120	Microstructural Evolution Induced Mechanical Property Enhancement in Cryogenically Rolled Ce-Modified SAF2507 Super Duplex Stainless Steel. <i>Advanced Engineering Materials</i> , 2020, 22, 2000516.	3.5	1
121	The progress of quantitative description of membrane process based on the mechanism of nanoconfined mass transfer. <i>Chinese Science Bulletin</i> , 2017, 62, 223-232.	0.7	1
122	Many-body calculation of helium 1D <sup>∞</sup> 3D term intervals for 1snd (n=12-20) high Rydberg states. <i>Canadian Journal of Physics</i> , 2006, 84, 1097-1106.	1.1	0
123	Biogas upgrading using single-walled carbon nanotubes by molecular simulation. <i>Molecular Simulation</i> , 2017, 43, 1034-1044.	2.0	0
124	Adsorption of CO <sub>2</sub> on the Fe (0001) surface: insights from density functional theory. <i>RSC Advances</i> , 2021, 11, 6825-6830.	3.6	0
125	Quantitative prediction of yield strength of highly alloyed complex steel using high energy synchrotron X-ray diffractometry. <i>Journal of Materials Research and Technology</i> , 2022, .	5.8	0