Zhen Zhang

List of Publications by Year
in descending order

144	8,079	38742 50	54911 84
papers	citations	h-index	g-index

146	146	146	7167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanically strong MXene/Kevlar nanofiber composite membranes as high-performance nanofluidic osmotic power generators. Nature Communications, 2019, 10, 2920.	12.8	373
2	Bioinspired smart asymmetric nanochannel membranes. Chemical Society Reviews, 2018, 47, 322-356.	38.1	372
3	Ultrathin and Ion-Selective Janus Membranes for High-Performance Osmotic Energy Conversion. Journal of the American Chemical Society, 2017, 139, 8905-8914.	13.7	304
4	Engineered Asymmetric Heterogeneous Membrane: A Concentration-Gradient-Driven Energy Harvesting Device. Journal of the American Chemical Society, 2015, 137, 14765-14772.	13.7	299
5	Nanofluidics for osmotic energy conversion. Nature Reviews Materials, 2021, 6, 622-639.	48.7	288
6	Specific Capture and Release of Circulating Tumor Cells Using Aptamerâ€Modified Nanosubstrates. Advanced Materials, 2013, 25, 2368-2373.	21.0	274
7	High-performance silk-based hybrid membranes employed for osmotic energy conversion. Nature Communications, 2019, 10, 3876.	12.8	252
8	Engineered Ionic Gates for Ion Conduction Based on Sodium and Potassium Activated Nanochannels. Journal of the American Chemical Society, 2015, 137, 11976-11983.	13.7	184
9	Embedding Ultrasmall Au Clusters into the Pores of a Covalent Organic Framework for Enhanced Photostability and Photocatalytic Performance. Angewandte Chemie - International Edition, 2020, 59, 6082-6089.	13.8	181
10	A Bioinspired Multifunctional Heterogeneous Membrane with Ultrahigh Ionic Rectification and Highly Efficient Selective Ionic Gating. Advanced Materials, 2016, 28, 144-150.	21.0	179
11	Improved osmotic energy conversion in heterogeneous membrane boosted by three-dimensional hydrogel interface. Nature Communications, 2020, 11, 875.	12.8	179
12	Understanding the Selective Detection of Fe³⁺ Based on Graphene Quantum Dots as Fluorescent Probes: The K_{sp} of a Metal Hydroxide-Assisted Mechanism. Analytical Chemistry, 2017, 89, 12054-12058.	6.5	143
13	Metallic Two-Dimensional MoS₂ Composites as High-Performance Osmotic Energy Conversion Membranes. Journal of the American Chemical Society, 2021, 143, 1932-1940.	13.7	133
14	Enhanced Stability and Controllability of an Ionic Diode Based on Funnelâ€Shaped Nanochannels with an Extended Critical Region. Advanced Materials, 2016, 28, 3345-3350.	21.0	109
15	Chiral recognition of <scp>l</scp>-tryptophan with beta-cyclodextrin-modified biomimetic single nanochannel. Chemical Communications, 2015, 51, 3135-3138.	4.1	108
16	Electrochemiluminescence Platforms Based on Small Waterâ€Insoluble Organic Molecules for Ultrasensitive Aqueousâ€Phase Detection. Angewandte Chemie - International Edition, 2019, 58, 5915-5919.	13.8	108
17	Lightâ€Controlled Ion Transport through Biomimetic DNAâ€Based Channels. Angewandte Chemie - International Edition, 2016, 55, 15637-15641.	13.8	104
18	Oxidation promoted osmotic energy conversion in black phosphorus membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13959-13966.	7.1	102

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19	Light- and Electric-Field-Controlled Wetting Behavior in Nanochannels for Regulating Nanoconfined Mass Transport. Journal of the American Chemical Society, 2018, 140, 4552-4559.	13.7	99
20	A Fluoride-Driven Ionic Gate Based on a 4-Aminophenylboronic Acid-Functionalized Asymmetric Single Nanochannel. ACS Nano, 2014, 8, 12292-12299.	14.6	95
21	Ultrasensitive Surface-Enhanced Raman Scattering Sensor of Gaseous Aldehydes as Biomarkers of Lung Cancer on Dendritic Ag Nanocrystals. Analytical Chemistry, 2017, 89, 1416-1420.	6.5	95
22	Engineering Smart Nanofluidic Systems for Artificial Ion Channels and Ion Pumps: From Singleâ€Pore to Multichannel Membranes. Advanced Materials, 2020, 32, e1904351.	21.0	95
23	Topochemical Synthesis of Twoâ€Dimensional Transitionâ€Metal Phosphides Using Phosphorene Templates. Angewandte Chemie - International Edition, 2020, 59, 465-470.	13.8	94
24	Positioning and joining of organic single-crystalline wires. Nature Communications, 2015, 6, 6737.	12.8	87
25	Bioinspired Heterogeneous Ion Pump Membranes: Unidirectional Selective Pumping and Controllable Gating Properties Stemming from Asymmetric Ionic Group Distribution. Journal of the American Chemical Society, 2018, 140, 1083-1090.	13.7	87
26	A biomimetic mercury(ii)-gated single nanochannel. Chemical Communications, 2013, 49, 10679.	4.1	86
27	A Novel Charge Transfer Channel to Simultaneously Enhance Photocatalytic Water Splitting Activity and Stability of CdS. Advanced Functional Materials, 2019, 29, 1902992.	14.9	86
28	A Bioinspired Switchable and Tunable Carbonateâ€Activated Nanofluidic Diode Based on a Single Nanochannel. Angewandte Chemie - International Edition, 2015, 54, 13664-13668.	13.8	85
29	Asymmetric Multifunctional Heterogeneous Membranes for pHâ€and Temperatureâ€Cooperative Smart Ion Transport Modulation. Advanced Materials, 2016, 28, 9613-9619.	21.0	83
30	Novel Fe-Mn-O nanosheets/wood carbon hybrid with tunable surface properties as a superior catalyst for Fenton-like oxidation. Applied Catalysis B: Environmental, 2019, 259, 118058.	20.2	83
31	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. Angewandte Chemie - International Edition, 2019, 58, 16800-16805.	13.8	80
32	Carbonâ€Intercalated 0D/2D Hybrid of Hematite Quantum Dots/Graphitic Carbon Nitride Nanosheets as Superior Catalyst for Advanced Oxidation. Small, 2019, 15, e1902744.	10.0	79
33	A Biomimetic Voltageâ€Gated Chloride Nanochannel. Advanced Materials, 2016, 28, 3181-3186.	21.0	77
34	Ultrahigh Selective Colorimetric Quantification of Chromium(VI) Ions Based on Gold Amalgam Catalyst Oxidoreductase-like Activity in Water. Analytical Chemistry, 2018, 90, 14309-14315.	6.5	77
35	A Biomimetic Multiâ€Stimuliâ€Response Ionic Gate Using a Hydroxypyrene Derivationâ€Functionalized Asymmetric Single Nanochannel. Advanced Materials, 2014, 26, 6560-6565.	21.0	76
36	Ultrafast Electrochemical Synthesis of Defectâ€Free In₂Se₃ Flakes for Largeâ€Area Optoelectronics. Advanced Materials, 2020, 32, e1907244.	21.0	75

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37	A Tunable Ionic Diode Based on a Biomimetic Structureâ€Tailorable Nanochannel. Angewandte Chemie - International Edition, 2017, 56, 8168-8172.	13.8	72
38	â€œUphillâ€•cation transport: A bioinspired photo-driven ion pump. Science Advances, 2016, 2, e1600689.	10.3	71
39	Engineered PES/SPES nanochannel membrane for salinity gradient power generation. Nano Energy, 2019, 59, 354-362.	16.0	71
40	Rare Earth Pyrophosphates: Effective Catalysts for the Production of Acrolein from Vapor-phase Dehydration of Glycerol. Catalysis Letters, 2009, 127, 419-428.	2.6	70
41	Serosa-Mimetic Nanoarchitecture Membranes for Highly Efficient Osmotic Energy Generation. Journal of the American Chemical Society, 2021, 143, 16206-16216.	13.7	70
42	High-Sensitivity Detection of Iron(III) by Dopamine-Modified Funnel-Shaped Nanochannels. ACS Applied Materials & Interfaces, 2018, 10, 22632-22639.	8.0	67
43	Aptamer-based fluorescence polarization assay for separation-free exosome quantification. Nanoscale, 2019, 11, 10106-10113.	5.6	66
44	Accurate synergy effect of Niâ€“Sn dual active sites enhances electrocatalytic oxidation of urea for hydrogen evolution in alkaline medium. Journal of Materials Chemistry A, 2020, 8, 14680-14689.	10.3	66
45	Electrostatic-Charge- and Electric-Field-Induced Smart Gating for Water Transportation. ACS Nano, 2016, 10, 9703-9709.	14.6	63
46	An Artificial CO₂â€Driven Ionic Gate Inspired by Olfactory Sensory Neurons in Mosquitoes. Advanced Materials, 2017, 29, 1603884.	21.0	61
47	A Bioâ€inspired, Sensitive, and Selective Ionic Gate Driven by Silver (I) Ions. Small, 2015, 11, 543-547.	10.0	58
48	Synergistic effect enhances the peroxidase-like activity in platinum nanoparticle-supported metalâ€”organic framework hybrid nanozymes for ultrasensitive detection of glucose. Nano Research, 2021, 14, 4689-4695.	10.4	57
49	Encapsulation of Dualâ€Emitting Fluorescent Magnetic Nanoprobe in Metalâ€Organic Frameworks for Ultrasensitive Ratiometric Detection of Cu²⁺. Chemistry - A European Journal, 2018, 24, 3499-3505.	3.3	54
50	Bacterial capture efficiency in fluid bloodstream improved by bendable nanowires. Nature Communications, 2018, 9, 444.	12.8	53
51	Orientation and Motion of Water Molecules at Air/Water Interface. Chinese Journal of Chemical Physics, 2006, 19, 20-24.	1.3	52
52	Construction and application of photoresponsive smart nanochannels. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 26, 31-47.	11.6	52
53	Silver nanoparticles as matrix for MALDI FTICR MS profiling and imaging of diverse lipids in brain. Talanta, 2018, 179, 624-631.	5.5	51
54	MnO₂ Nanospheres Assisted by Cysteine Combined with MnO₂ Nanosheets as a Fluorescence Resonance Energy Transfer System for â€œSwitch-onâ€•Detection of Glutathione. Analytical Chemistry, 2021, 93, 9621-9627.	6.5	51

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55	Biomimetic Nanofluidic Diode Composed of Dual Amphoteric Channels Maintains Rectification Direction over a Wide pH Range. Angewandte Chemie - International Edition, 2016, 55, 13056-13060.	13.8	50
56	Highly Stretchable Fiber-Based Potentiometric Ion Sensors for Multichannel Real-Time Analysis of Human Sweat. ACS Sensors, 2020, 5, 2834-2842.	7.8	50
57	Cation-selective two-dimensional polyimine membranes for high-performance osmotic energy conversion. Nature Communications, 2022, 13, .	12.8	49
58	Skinâ€Inspired Lowâ€Grade Heat Energy Harvesting Using Directed Ionic Flow through Conical Nanochannels. Advanced Energy Materials, 2018, 8, 1800459.	19.5	47
59	Tailoring the Electronic Metalâ€“Support Interactions in Supported Atomically Dispersed Gold Catalysts for Efficient Fentonâ€like Reaction. Angewandte Chemie - International Edition, 2021, 60, 14370-14375.	13.8	46
60	Upconversion nano-photosensitizer targeting into mitochondria for cancer apoptosis induction and cyt c fluorescence monitoring. Nano Research, 2016, 9, 3257-3266.	10.4	45
61	Investigation into the Oxygen-Involved Electrochemiluminescence of Porphyrins and Its Regulation by Peripheral Substituents/Central Metals. Analytical Chemistry, 2019, 91, 2319-2328.	6.5	45
62	Utilization and prospects of electrochemiluminescence for characterization, sensing, imaging and devices. Materials Chemistry Frontiers, 2019, 3, 2246-2257.	5.9	41
63	Bacteriorhodopsinâ€Inspired Lightâ€Driven Artificial Molecule Motors for Transmembrane Mass Transportation. Angewandte Chemie - International Edition, 2018, 57, 16708-16712.	13.8	40
64	Redox switch of ionic transport in conductive polypyrrole-engineered unipolar nanofluidic diodes. Nano Research, 2017, 10, 3715-3725.	10.4	39
65	Ultratrace Naked-Eye Colorimetric Ratio Assay of Chromium(III) Ion in Aqueous Solution via Stimuli-Responsive Morphological Transformation of Silver Nanoflakes. Analytical Chemistry, 2019, 91, 4031-4038.	6.5	39
66	Dynamically Regulated Ag Nanowire Arrays for Detecting Molecular Information of Substrateâ€Induced Stretched Cell Growth. Advanced Materials, 2016, 28, 9589-9595.	21.0	38
67	Ultratrace and robust visual sensor of Cd2+ ions based on the size-dependent optical properties of Au@g-CNQDs nanoparticles in mice models. Biosensors and Bioelectronics, 2018, 103, 87-93.	10.1	37
68	Water penetration/accommodation and phase behaviour of the neutral langmuir monolayer at the air/water interface probed with sum frequency generation vibrational spectroscopy (SFG-VS). Physical Chemistry Chemical Physics, 2009, 11, 991-1002.	2.8	36
69	Highly sensitive visual detection of copper (II) using water-soluble azide-functionalized gold nanoparticles and silver enhancement. Biosensors and Bioelectronics, 2014, 59, 40-44.	10.1	35
70	Guanosine Assembly Enabled Gold Nanorods with Dual Thermo- and Photoswitchable Plasmonic Chiroptical Activity. ACS Nano, 2020, 14, 6087-6096.	14.6	35
71	On-water surface synthesis of charged two-dimensional polymer single crystals via the irreversible Katritzky reaction. , 2022, 1, 69-76.		34
72	Effect of Ca 2+ to Sphingomyelin Investigated by Sum Frequency Generation Vibrational Spectroscopy. Biophysical Journal, 2017, 112, 2173-2183.	0.5	32

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73	Ordered Superparticles with an Enhanced Photoelectric Effect by Subâ€Nanometer Interparticle Distance. Advanced Functional Materials, 2017, 27, 1701982.	14.9	32
74	Thermally Activated Delayed Fluorescence Enabled by Reversed Conformational Distortion for Blue Emitters. Journal of Physical Chemistry Letters, 2021, 12, 9501-9507.	4.6	32
75	Engineered Asymmetric Composite Membranes with Rectifying Properties. Advanced Materials, 2016, 28, 757-763.	21.0	31
76	A universal tunable nanofluidic diode via photoresponsive hostâ€“guest interactions. NPG Asia Materials, 2018, 10, 849-857.	7.9	30
77	Electrochemiluminescence Platforms Based on Small Waterâ€Insoluble Organic Molecules for Ultrasensitive Aqueousâ€Phase Detection. Angewandte Chemie, 2019, 131, 5976-5980.	2.0	30
78	Spectral assignment and orientational analysis in a vibrational sum frequency generation study of DPPC monolayers at the air/water interface. Journal of Chemical Physics, 2016, 145, 244707.	3.0	29
79	A Microwellâ€Assisted Multiaptamer Immunomagnetic Platform for Capture and Genetic Analysis of Circulating Tumor Cells. Advanced Healthcare Materials, 2018, 7, e1801231.	7.6	28
80	Adenosineâ€Activated Nanochannels Inspired by Gâ€Proteinâ€Coupled Receptors. Small, 2016, 12, 1854-1858.	10.0	26
81	Developing superior catalysts engineered by multichannel healing strategy for advanced oxidation. Applied Catalysis B: Environmental, 2019, 250, 189-199.	20.2	26
82	Portable smartphone platform integrated with fluorescent test strip based on Eu3+-functionalized copper nanoclusters for on-site visual recognition of a pathogenic biomarker. Sensors and Actuators B: Chemical, 2021, 332, 129495.	7.8	26
83	Biomimetic Interfacial Electron-Induced Electrochemiluminesence. Analytical Chemistry, 2018, 90, 5272-5279.	6.5	25
84	Synthesis of Co4S3/Co9S8 nanosheets and comparison study toward the OER properties induced by different metal ion doping. Chinese Chemical Letters, 2022, 33, 1395-1402.	9.0	25
85	Proteasome-Independent Protein Knockdown by Small-Molecule Inhibitor for the Undruggable Lung Adenocarcinoma. Journal of the American Chemical Society, 2019, 141, 18492-18499.	13.7	24
86	Hydroxyl Groups on the Graphene Surfaces Facilitate Ice Nucleation. Journal of Physical Chemistry Letters, 2019, 10, 2458-2462.	4.6	24
87	Successive Adsorption of Cations and Anions of Waterâ€“1-Butyl-3-methylimidazolium Methylsulfate Binary Mixtures at the Airâ€“Liquid Interface Studied by Sum Frequency Generation Vibrational Spectroscopy and Surface Tension Measurements. Journal of Physical Chemistry C, 2016, 120, 12032-12041.	3.1	23
88	A Pb²⁺ ionic gate with enhanced stability and improved sensitivity based on a 4â€²-aminobenzo-18-crown-6 modified funnel-shaped nanochannel. Faraday Discussions, 2018, 210, 101-111.	3.2	23
89	Simultaneous Detection of Exosomal Membrane Protein and RNA by Highly Sensitive Aptamer Assisted Multiplexâ€“PCR. ACS Applied Bio Materials, 2020, 3, 2560-2567.	4.6	22
90	Photorelease of Pyridines Using a Metalâ€Free Photoremovable Protecting Group. Angewandte Chemie - International Edition, 2020, 59, 18386-18389.	13.8	22

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91	Surface-Engineered Gold Nanoclusters for Stimulated Emission Depletion and Correlated Light and Electron Microscopy Imaging. Analytical Chemistry, 2022, 94, 3056-3064.	6.5	22
92	Plasmonic nanoplatform for point-of-care testing trace HCV core protein. Biosensors and Bioelectronics, 2020, 147, 111488.	10.1	21
93	Lightâ€Controlled Ion Transport through Biomimetic DNAâ€Based Channels. Angewandte Chemie, 2016, 128, 15866-15870.	2.0	20
94	Direct observation of nanoparticle multiple-ring pattern formation during droplet evaporation with dark-field microscopy. Physical Chemistry Chemical Physics, 2016, 18, 13018-13025.	2.8	18
95	J-Aggregates of zinc tetraphenylporphyrin: a new pathway to excellent electrochemiluminescence emitters. Physical Chemistry Chemical Physics, 2019, 21, 10614-10620.	2.8	18
96	Confining Metalâ€Organic Framework in the Pore of Covalent Organic Framework: A Microscale Zâ€Scheme System for Boosting Photocatalytic Performance. Small Methods, 2022, 6, e2200265.	8.6	18
97	Synergistic Effect Improves the Response of Active Sites to Target Variations for Picomolar Detection of Silver Ions. Analytical Chemistry, 2022, 94, 10462-10469.	6.5	18
98	Fabrication and ionic transportation characterization of funnel-shaped nanochannels. RSC Advances, 2016, 6, 55064-55070.	3.6	17
99	Engineered Artificial Nanochannels for Nitrite Ion Harmless Conversion. ACS Applied Materials & Interfaces, 2018, 10, 30852-30859.	8.0	17
100	Embedding Ultrasmall Au Clusters into the Pores of a Covalent Organic Framework for Enhanced Photostability and Photocatalytic Performance. Angewandte Chemie, 2020, 132, 6138-6145.	2.0	16
101	Iron regulates the interfacial charge distribution of transition metal phosphides for enhanced oxygen evolution reaction. Journal of Colloid and Interface Science, 2022, 615, 725-731.	9.4	16
102	Sequential Recognition of Zinc and Pyrophosphate Ions in a Terpyridineâ€Functionalized Single Nanochannel. ChemPhysChem, 2017, 18, 253-259.	2.1	15
103	Tailoring the Electronic Metalâ€“Support Interactions in Supported Atomically Dispersed Gold Catalysts for Efficient Fentonâ€like Reaction. Angewandte Chemie, 2021, 133, 14491-14496.	2.0	15
104	Au-Decorated N-Rich Carbon Dots as Peroxidase Mimics for the Detection of Acetylcholinesterase Activity. ACS Applied Nano Materials, 2022, 5, 1958-1965.	5.0	15
105	Quantitative Characterization of the Membrane Dynamics of Newly Delivered TGF-Î² Receptors by Single-Molecule Imaging. Analytical Chemistry, 2018, 90, 4282-4287.	6.5	14
106	Crossâ€Linked Surface Engineering to Improve Iron Porphyrin Catalytic Activity. Small, 2020, 16, e1905889.	10.0	14
107	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie - International Edition, 2021, 60, 16547-16553.	13.8	14
108	Insight into interface charge regulation through the change of the electrolyte temperature toward enhancing photoelectrochemical water oxidation. Journal of Colloid and Interface Science, 2021, 588, 31-39.	9.4	13

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109	Strategies for Improving the Catalytic Performance of 2D Covalent Organic Frameworks for Hydrogen Evolution and Oxygen Evolution Reactions. Chemistry - an Asian Journal, 2021, 16, 1851-1863.	3.3	12
110	Enhanced porphyrin-based fluorescence imaging-guided photodynamic/photothermal synergistic cancer therapy by mitochondrial targeting. Science China Materials, 2022, 65, 527-535.	6.3	12
111	Pt Nanoparticles Anchored on NH2-MIL-101 with Efficient Peroxidase-Like Activity for Colorimetric Detection of Dopamine. Chemosensors, 2021, 9, 140.	3.6	11
112	In Situ Generated Mixed Ion/Electron-Conducting Scaffold with Uniform Li Deposition for Flexible Li Metal Anodes. ACS Applied Energy Materials, 2021, 4, 6106-6115.	5.1	11
113	Surface of room temperature ionic liquid [bmim][PF6] studied by polarization- and experimental configuration-dependent sum frequency generation vibrational spectroscopy. Science China Chemistry, 2015, 58, 439-447.	8.2	10
114	Two-Photon-Induced Isomerization of Spiropyran/Merocyanine at the Air/Water Interface Probed by Second Harmonic Generation. Journal of Physical Chemistry A, 2016, 120, 7859-7864.	2.5	10
115	Characterization of Hepatitis C Virus Core Protein Dimerization by Atomic Force Microscopy. Analytical Chemistry, 2018, 90, 4596-4602.	6.5	10
116	Enhancing Charge Separation through Oxygen Vacancyâ€Mediated Reverse Regulation Strategy Using Porphyrins as Model Molecules. Small, 2020, 16, e2001752.	10.0	10
117	Near-Infrared Small Molecule as a Specific Fluorescent Probe for Ultrasensitive Recognition of Antiparallel Human Telomere G-Quadruplexes. ACS Applied Materials & Interfaces, 2021, 13, 32743-32752.	8.0	10
118	Selfâ€Assembly of Biocompatible FeSe Hollow Nanostructures and 2D CuFeSe Nanosheets with Oneâ€and Twoâ€Photon Luminescence Properties. Small, 2019, 15, e1900627.	10.0	9
119	Encapsulation of Porphyrinâ€Fe/Cu Complexes into Coordination Space for Enhanced Selective Oxidative Dehydrogenation of Aromatic Hydrazides. Small, 2020, 16, e2004679.	10.0	9
120	Fabrication of Supramolecular Chirality from Achiral Molecules at the Liquid/Liquid Interface Studied by Second Harmonic Generation. Langmuir, 2018, 34, 139-146.	3.5	8
121	An Efficient Strategy for Boosting Photogenerated Charge Separation by Using Porphyrins as Interfacial Charge Mediators. Angewandte Chemie, 2019, 131, 16956-16961.	2.0	8
122	Fabricated nanoplatform of Cu(II)-functionalized mimetic-peroxidase with catalytic property toward sensitive monitoring of hydrogen peroxide. Sensors and Actuators B: Chemical, 2019, 284, 684-694.	7.8	8
123	Topochemical Synthesis of Twoâ€Dimensional Transitionâ€Metal Phosphides Using Phosphorene Templates. Angewandte Chemie, 2020, 132, 473-478.	2.0	8
124	Nâ€“H Chirality in Folded Peptide LK₇Î² Is Governed by the C_{Î±}â€“H Chirality. Journal of Physical Chemistry Letters, 2020, 11, 1282-1290.	4.6	8
125	A Tunable Ionic Diode Based on a Biomimetic Structureâ€Tailorable Nanochannel. Angewandte Chemie, 2017, 129, 8280-8284.	2.0	7
126	Circularly Polarized Luminescence and <scp>SHG</scp> Chiral Signals of Helical <scp>TPE</scp> Macrocycles. Chinese Journal of Chemistry, 2021, 39, 3353-3359.	4.9	7

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127	Biomimetic Nanofluidic Diode Composed of Dual Amphoteric Channels Maintains Rectification Direction over a Wide pH Range. Angewandte Chemie, 2016, 128, 13250-13254.	2.0	6
128	Bacteriorhodopsinâ€Inspired Lightâ€Driven Artificial Molecule Motors for Transmembrane Mass Transportation. Angewandte Chemie, 2018, 130, 16950-16954.	2.0	6
129	Metal Ion Mediation of Interfacial Chiral Supramolecular Formation of Amphiphilic Schiff Bases Studied by In Situ Second Harmonic Generation. Journal of Physical Chemistry B, 2020, 124, 8179-8187.	2.6	6
130	In Situ Probe Supramolecular Self-Assembly Dynamics and Chirality Transfer Mechanism at Airâ€“Water Interface. Journal of Physical Chemistry Letters, 2022, 13, 3523-3528.	4.6	6
131	Photorelease of Pyridines Using a Metalâ€Free Photoremovable Protecting Group. Angewandte Chemie, 2020, 132, 18544-18547.	2.0	5
132	Cooperative Action of Laser-Induced Thermal Effects and Ionic Coordination on the Order of TPPA0 Porphyrin Derivatives Self-Assembled Interface Probed via Real-Time Second Harmonic Generation. Journal of Physical Chemistry C, 2019, 123, 11798-11806.	3.1	4
133	One-Fold Anisotropy of Silver Chiral Nanoparticles Studied by Second-Harmonic Generation. ACS Sensors, 2021, 6, 454-460.	7.8	3
134	Ultrasensitive detection of vitamin E by signal conversion combined with core-satellite structure-based plasmon coupling effect. Analyst, The, 2022, 147, 398-403.	3.5	3
135	Mechanism by Which Cholesterol Induces Sphingomyelin Conformational Changes at an Air/Water Interface. Journal of Physical Chemistry B, 2022, 126, 5481-5489.	2.6	3
136	Adsorption and Oxidation Dynamics of Disperse Orange 3 on a Polycrystalline Pt Electrode Studied by In Situ Second Harmonic Generation. Journal of Physical Chemistry C, 2020, 124, 21625-21634.	3.1	2
137	Fabrication of Micro-Nano Structured Super-Hydrophobic Surface and Drag Reduction in Channels. Key Engineering Materials, 0, 519, 297-302.	0.4	1
138	Behaviors of the Interfacial Consecutive Multistep Electron Transfer Controlled by Varied Transition Metal Ions in Porphyrin Cores. Journal of Physical Chemistry B, 2017, 121, 9045-9051.	2.6	1
139	In situ nonlinear optical spectroscopic study of the structural chirality in DPPC Langmuir monolayers at the air/water interface. Journal of Chemical Physics, 2022, 156, 094704.	3.0	1
140	Interfacial Water Structure in Langmuir Monolayer and Gibbs Layer Probed by Sum Frequency Generation Vibrational Spectroscopy. Chinese Journal of Chemistry, 2012, 30, 1663-1666.	4.9	0
141	Preparation and Characterization of Micro-Nanostructural Beads and the Super Hydrophobic Micro-Nanostructural Coating. Materials Science Forum, 2013, 743-744, 504-508.	0.3	0
142	Smart Nanofluidic Systems: Engineering Smart Nanofluidic Systems for Artificial Ion Channels and Ion Pumps: From Singleâ€Pore to Multichannel Membranes (Adv. Mater. 4/2020). Advanced Materials, 2020, 32, 2070026.	21.0	0
143	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie, 2021, 133, 16683-16689.	2.0	0
144	Investigation of High-Stability Temperature Control in Primary Gas Thermometry. Journal of Thermal Science, 0, , 1.	1.9	0