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List of Publications by Year in descending order

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55
papers

3,475
citations

186265
28
h-index

155660
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57
all docs

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docs citations

57
times ranked

5691
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Inspired Polymer Composite Actuator and Generator Driven by Water Gradients. <i>Science</i> , 2013, 339, 186-189.	12.6	710
2	Strong and Robust Polyaniline-Based Supramolecular Hydrogels for Flexible Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9196-9201.	13.8	312
3	Bioinspired ultra-stretchable and anti-freezing conductive hydrogel fibers with ordered and reversible polymer chain alignment. <i>Nature Communications</i> , 2018, 9, 3579.	12.8	201
4	Mass Production and Size Control of Lipid-Polymer Hybrid Nanoparticles through Controlled Microvortices. <i>Nano Letters</i> , 2012, 12, 3587-3591.	9.1	189
5	Probing nanoparticle translocation across the permeable endothelium in experimental atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1078-1083.	7.1	171
6	Stretchable Polymeric Multielectrode Array for Conformal Neural Interfacing. <i>Advanced Materials</i> , 2014, 26, 1427-1433.	21.0	108
7	Strong and Robust Polyaniline-Based Supramolecular Hydrogels for Flexible Supercapacitors. <i>Angewandte Chemie</i> , 2016, 128, 9342-9347.	2.0	107
8	Enhancing the Properties of Conductive Polymer Hydrogels by Freeze-Thaw Cycles for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20142-20149.	8.0	106
9	Single Step Reconstitution of Multifunctional High-Density Lipoprotein-Derived Nanomaterials Using Microfluidics. <i>ACS Nano</i> , 2013, 7, 9975-9983.	14.6	104
10	Firefly-mimicking intensive and long-lasting chemiluminescence hydrogels. <i>Nature Communications</i> , 2017, 8, 1003.	12.8	89
11	Lipid Membrane Adhesion and Fusion Driven by Designed, Minimally Multivalent Hydrogen-Bonding Lipids. <i>Journal of the American Chemical Society</i> , 2009, 131, 16919-16926.	13.7	86
12	A self-sustaining pyroelectric nanogenerator driven by water vapor. <i>Nano Energy</i> , 2016, 22, 19-26.	16.0	82
13	Intra- and Intermembrane Pairwise Molecular Recognition between Synthetic Hydrogen-Bonding Phospholipids. <i>Journal of the American Chemical Society</i> , 2008, 130, 14456-14458.	13.7	76
14	Bioinspired Design of Strong, Tough, and Highly Conductive Polyol-Polypyrrole Composites for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5692-5698.	8.0	64
15	Determinants of Cyanuric Acid and Melamine Assembly in Water. <i>Langmuir</i> , 2011, 27, 8841-8853.	3.5	62
16	Controlled Fusion of Synthetic Lipid Membrane Vesicles. <i>Accounts of Chemical Research</i> , 2013, 46, 2988-2997.	15.6	62
17	Ultrasonically Surface-Activated Nickel Foam as a Highly Efficient Monolith Electrode for the Catalytic Oxidation of Methanol to Formate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30603-30613.	8.0	62
18	Functional Determinants of a Synthetic Vesicle Fusion System. <i>Journal of the American Chemical Society</i> , 2008, 130, 6196-6205.	13.7	61

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19	Cobalt Nanocrystal-Assembled Hollow Nanoparticles for Electrocatalytic Hydrogen Generation from Neutral-pH Water. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6725-6729.	13.8	58
20	Electroconductive hydrogels for biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1568.	6.1	52
21	Efficient Cascade Resonance Energy Transfer in Dynamic Nanoassembly for Intensive and Long-Lasting Multicolor Chemiluminescence. <i>ACS Nano</i> , 2020, 14, 3696-3702.	14.6	48
22	Programmable Polymer Actuators Perform Continuous Helical Motions Driven by Moisture. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20473-20481.	8.0	45
23	Nickel nanocrystal/nitrogen-doped carbon composites as efficient and carbon monoxide-resistant electrocatalysts for methanol oxidation reactions. <i>Nanoscale</i> , 2020, 12, 21687-21694.	5.6	41
24	Cobalt-based nanosheet arrays as efficient electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17640-17646.	10.3	40
25	Extremely strong and tough polythiophene composite for flexible electronics. <i>Chemical Engineering Journal</i> , 2019, 368, 933-940.	12.7	40
26	Chemoselective solution synthesis of pyrazolic-structure-rich nitrogen-doped graphene for supercapacitors and electrocatalysis. <i>Chemical Engineering Journal</i> , 2018, 347, 754-762.	12.7	37
27	Tandem selective reduction of nitroarenes catalyzed by palladium nanoclusters. <i>Green Chemistry</i> , 2020, 22, 1301-1307.	9.0	36
28	Supramolecular Hydrogels for High-Voltage and Neutral-pH Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018, 1, 4261-4268.	5.1	35
29	Hierarchical Porous N-doped Graphene Monoliths for Flexible Solid-State Supercapacitors with Excellent Cycle Stability. <i>ACS Applied Energy Materials</i> , 2018, 1, 5024-5032.	5.1	28
30	Intrinsically Safe and Shelf-Stable Diazo-Transfer Reagent for Fast Synthesis of Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2018, 83, 10916-10921.	3.2	26
31	Semicrystalline Conductive Hydrogels for High-Energy and Stable Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 8163-8172.	5.1	25
32	Ultrasonic-Assisted Synthesis of Amorphous Polyelemental Hollow Nanoparticles as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900586.	3.7	24
33	Cu-Catalyzed Site-Selective and Enantioselective Ring Opening of Cyclic Diaryliodoniums with 1,2,3-Triazoles. <i>Organic Letters</i> , 2020, 22, 6441-6446.	4.6	24
34	Directed Peptide Assembly at the Lipid-Water Interface Cooperatively Enhances Membrane Binding and Activity. <i>Langmuir</i> , 2011, 27, 1480-1486.	3.5	23
35	Efficient Co-Nanocrystal-Based Catalyst for Hydrogen Generation from Borohydride. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12610-12616.	3.1	21
36	Crystalline Multi-Metal Nanosheets Array with Enriched Oxygen Vacancies as Efficient and Stable Bifunctional Electrocatalysts for Water Splitting. <i>ACS Applied Energy Materials</i> , 2019, 2, 8919-8929.	5.1	20

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37	Robust copper nanocrystal/nitrogen-doped carbon monoliths as carbon monoxide-resistant electrodes for methanol oxidation reaction. <i>Journal of Energy Chemistry</i> , 2021, 58, 247-255.	12.9	20
38	Metallo-phosphorylation of alkynes: reaction of alkynes with Cp ₂ Zr(1-butene)(PR ₃) and chlorophosphate. Electronic supplementary information (ESI) available: experimental procedures and NMR data. See http://www.rsc.org/suppdata/cc/b3/b308595c/ . <i>Chemical Communications</i> , 2003, , 2736.	4.1	19
39	Magnetically directed soft actuators driven by moisture. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4129-4133.	5.5	16
40	Nickel doped cobalt - hollow nanoparticles as an efficient electrocatalyst for hydrogen evolution from neutral water. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14869-14876.	7.1	16
41	Nickel Nanocrystal Assemblies as Efficient Electrocatalysts for Hydrogen Evolution from pH-Neutral Aqueous Solution. <i>ChemElectroChem</i> , 2019, 6, 2100-2106.	3.4	16
42	Protein assembly directed by synthetic molecular recognition motifs. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7296.	2.8	15
43	Cobalt Nanocrystal-Assembled Hollow Nanoparticles for Electrocatalytic Hydrogen Generation from Neutral-pH Water. <i>Angewandte Chemie</i> , 2016, 128, 6837-6841.	2.0	14
44	Solvent-Directed Click Reaction between Active Methylene Compounds and Azido-1,3,5-triazines. <i>Organic Letters</i> , 2019, 21, 7204-7208.	4.6	14
45	Efficient Mini-Transporter for Cytosolic Protein Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25725-25732.	8.0	13
46	Stabilization of vesicular and supported membranes by glycolipid oxime polymers. <i>Chemical Communications</i> , 2011, 47, 2853.	4.1	10
47	Metallo-phosphorylation of olefins: reaction of diethyl chlorophosphate with zirconocene-ethylene complex. Electronic supplementary data available: experimental procedure and NMR data. See http://www.rsc.org/suppdata/cc/b1/b107755d/ . <i>Chemical Communications</i> , 2001, , 2554-2555.	4.1	9
48	Actuating smart. <i>Nature Nanotechnology</i> , 2019, 14, 1003-1004.	31.5	8
49	Stretchable and Shelf-Stable All-Polymer Supercapacitors Based on Sealed Conductive Hydrogels. <i>ACS Applied Energy Materials</i> , 2020, 3, 8850-8857.	5.1	8
50	Programmable Multistimuli-Responsive and Multimodal Polymer Actuator Based on a Designed Energy Transduction Network. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13768-13777.	8.0	8
51	Using thiourea as a catalytic redox-active additive to enhance the performance of pseudocapacitive supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5733-5740.	4.9	4
52	Solvent-Directed Transition Metal-Free C-C Bond Cleavage by Azido-1,3,5-triazines and Their Stability-Reactivity Paradox. <i>Journal of Organic Chemistry</i> , 2021, 86, 762-769.	3.2	3
53	Synthesis of Planar Chiral 2-Aryl Aroylferrocenes via Palladium-Catalyzed C-C Bond-Cleavage/Ring-Opening Reaction. <i>Organic Letters</i> , 2021, 23, 7759-7764.	4.6	2
54	Highly Conductive and CO-Resistant Cobalt-Based Monolithic Electrodes for Catalytic Oxidation of Methanol. <i>ChemElectroChem</i> , 0, , .	3.4	1

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55	Innentitelbild: Cobaltâ€Nanocrystalâ€Assembled Hollow Nanoparticles for Electrocatalytic Hydrogen Generation from Neutralâ€pH Water (Angew. Chem. 23/2016). Angewandte Chemie, 2016, 128, 6674-6674.	2.0	0