

Zhenfeng He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4761095/publications.pdf>

Version: 2024-02-01

35
papers

2,191
citations

304743

22
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of carbon nanostructures and nanocomposites for electromagnetic wave shielding. Carbon, 2018, 140, 696-733.	10.3	574
2	Integrative self-sorting: a versatile strategy for the construction of complex supramolecular architecture. Chemical Society Reviews, 2015, 44, 779-789.	38.1	350
3	Crosslinked norbornene copolymer anion exchange membrane for fuel cells. Journal of Membrane Science, 2018, 556, 118-125.	8.2	163
4	Oxatub[4]arene: a smart macrocyclic receptor with multiple interconvertible cavities. Chemical Science, 2015, 6, 6731-6738.	7.4	111
5	Iridium-Based Catalysts for Solid Polymer Electrolyte Electrocatalytic Water Splitting. ChemSusChem, 2019, 12, 1576-1590.	6.8	111
6	Hydroxide ions transportation in polynorbornene anion exchange membrane. Polymer, 2018, 138, 363-368.	3.8	105
7	Controllable Cross-Linking Anion Exchange Membranes with Excellent Mechanical and Thermal Properties. Macromolecular Materials and Engineering, 2018, 303, 1700462.	3.6	85
8	Imine Macrocyclic with a Deep Cavity: Guest-Selected Formation of <i>syn/anti</i> Configuration and Guest-Controlled Reconfiguration. Chemistry - A European Journal, 2015, 21, 3005-3012.	3.3	51
9	The recent progress of synergistic supramolecular polymers: preparation, properties and applications. Chemical Communications, 2021, 57, 1413-1429.	4.1	47
10	An overview of amphoteric ion exchange membranes for vanadium redox flow batteries. Journal of Materials Science and Technology, 2021, 69, 212-227.	10.7	41
11	Insights into the enhanced sodium storage property and kinetics based on the Zr/Si codoped Na ₃ V ₂ (PO ₄) ₃ /C cathode with superior rate capability and long lifespan. Journal of Power Sources, 2020, 474, 228632.	7.8	39
12	Thermal-induced dynamic self-assembly of adenine-grafted polyoxometalate complexes. Dalton Transactions, 2012, 41, 10043.	3.3	36
13	A processable hybrid supramolecular polymer formed by base pair modified polyoxometalate clusters. Chemical Communications, 2013, 49, 8039.	4.1	36
14	Synthesis, Solid-State Structures, and Molecular Recognition of Chiral Molecular Tweezer and Related Structures Based on a Rigid Bis-Naphthalene Cleft. Organic Letters, 2015, 17, 3880-3883.	4.6	36
15	Instantaneous and reversible gelation of organically grafted polyoxometalate complexes with dicarboxylic acids. Soft Matter, 2012, 8, 3315.	2.7	35
16	Na ₃ V ₂ (PO ₄) ₃ /C@Na ₃ V ₂ (PO ₄) ₂ F ₃ /C@rGO blended cathode material with elevated energy density for sodium ion batteries. Ceramics International, 2021, 47, 18065-18074.	4.8	35
17	Synthesis and redox-responsive self-assembly of ferrocene grafted Anderson-type polyoxometalate hybrid complexes. Soft Matter, 2012, 8, 1593-1600.	2.7	34
18	Bis-urea macrocycles with a deep cavity. Chemical Communications, 2015, 51, 15490-15493.	4.1	34

#	ARTICLE	IF	CITATIONS
19	Silicon substituted Na ₃ V ₂ (PO ₄) ₃ /C nanocomposites enwrapped on conducting graphene for high-rate and long-lifespan sodium ion batteries. <i>Ceramics International</i> , 2020, 46, 27660-27669.	4.8	31
20	Insights into the elevated electrochemical performance and kinetic characteristics of magnesium-substituted Na ₃ V ₂ xMgx(PO ₄) ₃ /C with superior rate capability and long lifespan. <i>Journal of Materials Science</i> , 2020, 55, 13141-13156.	3.7	30
21	A phase-selective, bis-urea organogelator with a curved bis-naphthalene core. <i>Chinese Chemical Letters</i> , 2017, 28, 782-786.	9.0	24
22	Boosting the rate capability and cycle life of Zr-substituted Na ₃ V ₂ (PO ₄) ₃ /C enwrapped on carbon nanotubes for symmetric Na-ion batteries. <i>Electrochimica Acta</i> , 2021, 385, 138427.	5.2	23
23	A novel fluorescent vesicular sensor for saccharides based on boronic acid-diols interaction. <i>Talanta</i> , 2010, 81, 591-596.	5.5	22
24	Bi-functional side chain architecture tuned amphoteric ion exchange membranes for high-performance vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2021, 624, 119118.	8.2	21
25	Sandwich-type porous polyimide film with improved dielectric, water resistance and mechanical properties. <i>Journal of Materials Science</i> , 2019, 54, 5952-5960.	3.7	17
26	High ion selectivity Aquivion-based hybrid membranes for all vanadium redox flow battery. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 451-458.	21.1	17
27	Overview of Anion Exchange Membranes Based on Ring Opening Metathesis Polymerization (ROMP). <i>Polymer Reviews</i> , 2021, 61, 689-713.	10.9	16
28	Simultaneous zirconium substitution and polypyrrole interconnection of Na ₃ V ₂ (PO ₄) ₃ /C nanoparticles for superior sodium storage performance. <i>Electrochimica Acta</i> , 2021, 377, 138120.	5.2	15
29	A supramolecular gel based on an adenine symmetrically grafted Anderson-type polyoxometalate complex. <i>Science Bulletin</i> , 2012, 57, 4304-4309.	1.7	14
30	Regioselective Synthesis of Methylene-Bridged Naphthalene Oligomers and Their Host-Guest Chemistry. <i>Journal of Organic Chemistry</i> , 2017, 82, 9570-9575.	3.2	13
31	Honeycomb-Patterned Polyimide Film as a Versatile Coating for High-Performance Dielectric Material. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1836-1841.	3.3	6
32	Synthesis of dynamic imine macrocyclic supramolecular polymers via synchronized self-assembly based on dynamic covalent bonds and noncovalent interactions. <i>Chemical Communications</i> , 2020, 56, 9288-9291.	4.1	6
33	Synthesis of a novel amphiphilic polymer containing nucleobases in the self-organized nanospheres. <i>Journal of Polymer Research</i> , 2010, 17, 255-263.	2.4	5
34	Bimetallic Fe and Co supported on the Na-doped mesoporous carbon frameworks with enhanced oxygen reduction reaction performance via high-gravity technology. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1047-1054.	1.4	4
35	Ultrathin Semi-Interpenetrating Network Membranes Based on Perfluorinated Sulfonic Acid Resin and Polydivinylbenzene with Declined Hydrogen Crossover for Proton Exchange Membrane Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2021, 168, 084508.	2.9	4