

Yefeng Yao

List of Publications by Year in descending order

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54
papers

3,669
citations

186265

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155660

55
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all docs

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docs citations

56
times ranked

4832
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Organic Fluoride Salts in Stabilizing Niobium Oxo-Clusters Catalyzing Epoxidation. <i>Langmuir</i> , 2021, 37, 8190-8203.	3.5	8
2	Olefin epoxidation with ionic liquid catalysts formed by supramolecular interactions. <i>Molecular Catalysis</i> , 2021, 500, 111342.	2.0	3
3	Ionic liquid-stabilized vanadium oxo-clusters catalyzing alkane oxidation by regulating oligovanadates. <i>Catalysis Science and Technology</i> , 2020, 10, 7601-7612.	4.1	9
4	Solid-state NMR studies on crystalline solid polymer electrolytes and important cathode materials for lithium-ion batteries. <i>Annual Reports on NMR Spectroscopy</i> , 2020, , 265-308.	1.5	0
5	In-situ encapsulation of Ni ₃ S ₂ nanoparticles into N-doped interconnected carbon networks for efficient lithium storage. <i>Chemical Engineering Journal</i> , 2019, 378, 122108.	12.7	136
6	Ionic Liquid Stabilized Niobium Oxoclusters Catalyzing Oxidation of Sulfides with Exceptional Activity. <i>Chemistry - A European Journal</i> , 2019, 25, 4206-4217.	3.3	20
7	Novel hybrid capacitive deionization constructed by a redox-active covalent organic framework and its derived porous carbon for highly efficient desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25305-25313.	10.3	40
8	Identifying Catalytically Active Mononuclear Peroxonioabate Anion of Ionic Liquids in the Epoxidation of Olefins. <i>ACS Catalysis</i> , 2018, 8, 4645-4659.	11.2	36
9	Design of pomegranate-like clusters with Ni ₂ nanoparticles anchored on nitrogen-doped porous carbon for improved sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6595-6605.	10.3	159
10	Improved sodium-ion storage performance of Ti ₃ C ₂ T _x MXenes by sulfur doping. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1234-1243.	10.3	158
11	Viologen-bridged polyaniline based multifunctional heterofilms for all-solid-state supercapacitors and memory devices. <i>European Polymer Journal</i> , 2018, 98, 125-136.	5.4	29
12	Metal-organic frameworks derived yolk-shell ZnO/NiO microspheres as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 335, 579-589.	12.7	191
13	Facile dual doping strategy <i>via</i> carbonization of covalent organic frameworks to prepare hierarchically porous carbon spheres for membrane capacitive deionization. <i>Chemical Communications</i> , 2018, 54, 14009-14012.	4.1	74
14	TiO ₂ nanocrystals embedded in sulfur-doped porous carbon as high-performance and long-lasting anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24224-24231.	10.3	25
15	Metal-organic frameworks converted flower-like hybrid with Co ₃ O ₄ nanoparticles decorated on nitrogen-doped carbon sheets for boosted lithium storage performance. <i>Chemical Engineering Journal</i> , 2018, 354, 172-181.	12.7	68
16	Stimuli-responsive hyperbranched poly(amidoamine)s integrated with thermal and pH sensitivity, reducible degradability and intrinsic photoluminescence. <i>RSC Advances</i> , 2017, 7, 5863-5871.	3.6	16
17	In situ growth of Sb ₂ S ₃ on multiwalled carbon nanotubes as high-performance anode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2017, 228, 436-446.	5.2	99
18	An advanced CoSe embedded within porous carbon polyhedra hybrid for high performance lithium-ion and sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2017, 325, 14-24.	12.7	281

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19	Significantly Improved Sodium-Ion Storage Performance of CuS Nanosheets Anchored into Reduced Graphene Oxide with Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2309-2316.	8.0	149
20	ZnS nanoparticles decorated on nitrogen-doped porous carbon polyhedra: a promising anode material for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20428-20438.	10.3	192
21	Viologen-based conjugated ionic polymer for nonvolatile rewritable memory device. <i>European Polymer Journal</i> , 2017, 94, 222-229.	5.4	16
22	Carbon-incorporated Janus-type Ni ₂ P/Ni hollow spheres for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19054-19061.	10.3	183
23	Highly Efficient Epoxidation of Allylic Alcohols with Hydrogen Peroxide Catalyzed by Peroxonitrate-Based Ionic Liquids. <i>ACS Catalysis</i> , 2016, 6, 3354-3364.	11.2	35
24	Heterogeneous Distribution of Entanglements in a Nonequilibrium Polymer Melt of UHMWPE: Influence on Crystallization without and with Graphene Oxide. <i>Macromolecules</i> , 2016, 49, 7497-7509.	4.8	64
25	Core-shell type hyperbranched grafting copolymers: Preparation, characterization and investigation on their intrinsic fluorescence properties. <i>Polymer</i> , 2016, 107, 154-162.	3.8	17
26	Three-Component Supramolecular System with Multistimuli-Responsive Properties in Water. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1690-1697.	3.3	2
27	Switching the photocatalytic activity of g-C ₃ N ₄ by homogenous surface chemical modification with nitrogen residues and vacancies. <i>RSC Advances</i> , 2015, 5, 21430-21433.	3.6	21
28	Solid-State High-Resolution NMR Studies on PEO-Based Crystalline Solid Polymer Electrolytes for Lithium-Ion Battery. <i>Annual Reports on NMR Spectroscopy</i> , 2015, 85, 1-26.	1.5	4
29	Bottom-Up Enhancement of g-C ₃ N ₄ Photocatalytic H ₂ Evolution Utilising Disordering Intermolecular Interactions of Precursor. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-8.	2.5	10
30	Density functional theory study of the magnetic shielding mechanism for ¹¹ B in pentaborate minerals: ulexite and probertite. <i>CrystEngComm</i> , 2014, 16, 10418-10427.	2.6	7
31	¹³ C Solid State NMR Characterization of Structure and Orientation Development in the Narrow and Broad Molar Mass Disentangled UHMWPE. <i>Macromolecules</i> , 2014, 47, 1371-1382.	4.8	33
32	Electrospun carbon nanofibers as anode materials for sodium ion batteries with excellent cycle performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4117.	10.3	272
33	Porous nitrogen-doped carbon microspheres as anode materials for lithium ion batteries. <i>Dalton Transactions</i> , 2014, 43, 14931-14935.	3.3	90
34	The phase structure, chain diffusion motion and local reorientation motion: ¹³ C Solid-state NMR study on the highly-crystalline solid polymer electrolytes. <i>Polymer</i> , 2014, 55, 5454-5459.	3.8	8
35	Surface hydrogen bonding can enhance photocatalytic H ₂ evolution efficiency. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14089.	10.3	113
36	Hyperbranched Polymer Functionalized Carbon Dots with Multistimuli-Responsive Property. <i>ACS Macro Letters</i> , 2013, 2, 1033-1037.	4.8	83

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37	11B and 23Na solid-state NMR and density functional theory studies of electric field gradients at boron sites in ulexite. <i>CrystEngComm</i> , 2013, 15, 8739.	2.6	10
38	Thermo-, pH-, and Light-Responsive Supramolecular Complexes Based on a Thermoresponsive Hyperbranched Polymer. <i>ACS Macro Letters</i> , 2013, 2, 67-71.	4.8	43
39	Phase Structure and Helical Jump Motion of Poly(ethylene oxide)/LiCF ₃ SO ₃ Crystalline Complex: A High-Resolution Solid-State ¹³ C NMR Approach. <i>Macromolecules</i> , 2013, 46, 4447-4453.	4.8	30
40	NMR Study of Thermoresponsive Hyperbranched Polymer in Aqueous Solution with Implication on the Phase Transition. <i>Macromolecules</i> , 2013, 46, 9688-9697.	4.8	17
41	Crystal structure refinements of borate dimorphs inderite and kurnakovite using 11B and 25Mg nuclear magnetic resonance and DFT calculations. <i>American Mineralogist</i> , 2012, 97, 1858-1865.	1.9	17
42	Effect of Surfactant Concentration on the Complex Structure of Poly(N-isopropylacrylamide)/Sodium Dodecyl Sulfate in Aqueous Solutions. <i>Macromolecules</i> , 2012, 45, 5524-5529.	4.8	36
43	Tailoring molecular structure via nanoparticles for solvent-free processing of ultra-high molecular weight polyethylene composites. <i>Polymer</i> , 2012, 53, 2897-2907.	3.8	68
44	NMR Study on the Effects of Sodium Dodecyl Sulfate on the Coil-to-Globule Transition of Poly(N-isopropylacrylamide) in Aqueous Solutions. <i>Macromolecules</i> , 2011, 44, 6227-6231.	4.8	51
45	Unprecedented High-Modulus High-Strength Tapes and Films of Ultrahigh Molecular Weight Polyethylene via Solvent-Free Route. <i>Macromolecules</i> , 2011, 44, 5558-5568.	4.8	158
46	Segmental Dynamics of PEO/LiClO ₄ Complex Crystals and Their Influence on the Li ⁺ Ion Transportation in Crystal Lattices: A ¹³ C Solid-State NMR Approach. <i>Chemistry - A European Journal</i> , 2011, 17, 8941-8946.	3.3	25
47	From Helical Jump to Chain Diffusion. <i>Annual Reports on NMR Spectroscopy</i> , 2010, 69, 199-224.	1.5	15
48	Controlling the Particle Size of Interpolymer Complexes through Host-Guest Interaction for Drug Delivery. <i>Langmuir</i> , 2010, 26, 9011-9016.	3.5	27
49	Segmental Mobility in the Noncrystalline Regions of Semicrystalline Polymers and its Implications on Melting. <i>Macromolecular Rapid Communications</i> , 2009, 30, 826-839.	3.9	22
50	Influence of Crystal Thickness and Topological Constraints on Chain Diffusion in Linear Polyethylene. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1123-1127.	3.9	28
51	Preparation of the individual compact single-chain globular particulates of Poly(N-isopropylacrylamide). <i>Colloid and Polymer Science</i> , 2006, 284, 935-940.	2.1	5
52	Controlling Polymer Architecture through Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 87-90.	13.8	50
53	Heterogeneity in polymer melts from melting of polymer crystals. <i>Nature Materials</i> , 2005, 4, 635-641.	27.5	321
54	Supramolecular Self-Assembly of Inclusion Complexes of a Multiarm Hyperbranched Polyether with Cyclodextrins. <i>Langmuir</i> , 2004, 20, 484-490.	3.5	84