

Xiaowei Xu

List of Publications by Year in descending order

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17
papers

445
citations

840776

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398
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards high-performance sustainable polymers via isomerization-driven irreversible ring-opening polymerization of five-membered thionolactones. <i>Nature Chemistry</i> , 2022, 14, 294-303.	13.6	73
2	Theoretical insight into the opposite redox activity of iron complexes toward the ring opening polymerization of lactide and epoxide. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1005-1014.	6.0	5
3	Computational study of the copolymerization mechanism of ethylene with methyl 2-acetamidoacrylate catalyzed by phosphine-sulfonate palladium complexes. <i>New Journal of Chemistry</i> , 2021, 45, 16670-16678.	2.8	13
4	Alkali Metal Carboxylates: Simple and Versatile Initiators for Ring-Opening Alternating Copolymerization of Cyclic Anhydrides/Epoxydes. <i>Macromolecules</i> , 2021, 54, 713-724.	4.8	41
5	Theoretical Study on Ethylene Polymerization Catalyzed by Half-Titanocenes Bearing Different Ancillary Groups. <i>Catalysts</i> , 2021, 11, 1392.	3.5	4
6	Theoretical insight into the redox-switchable activity of group 4 metal complexes for the ring-opening polymerization of μ -caprolactone. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 961-971.	6.0	23
7	Mechanistic Studies for Palladium Catalyzed Copolymerization of Ethylene with Vinyl Ethers. <i>Polymers</i> , 2020, 12, 2401.	4.5	14
8	Origin of different chain-end microstructures in ethylene/vinyl halide copolymerization catalysed by phosphine-sulfonate palladium complexes. <i>New Journal of Chemistry</i> , 2020, 44, 16941-16947.	2.8	7
9	One-Pot Synthesis of Diblock Polyesters by Catalytic Terpolymerization of Lactide, Epoxydes, and Anhydrides. <i>Macromolecules</i> , 2019, 52, 3462-3470.	4.8	46
10	Hydrophilic side chain assisting continuous ion-conducting channels for anion exchange membranes. <i>Journal of Membrane Science</i> , 2018, 552, 286-294.	8.2	71
11	Theoretical Mechanistic Studies on Redox-Switchable Polymerization of Trimethylene Carbonate Catalyzed by an Indium Complex Bearing a Ferrocene-Based Ligand. <i>Organometallics</i> , 2018, 37, 4599-4607.	2.3	13
12	Acid-Promoted D-A-D Type Far-Red Fluorescent Probe with High Photostability for Lysosomal Nitric Oxide Imaging. <i>Analytical Chemistry</i> , 2018, 90, 7953-7962.	6.5	48
13	Improvement of alkaline stability for hydroxide exchange membranes by the interactions between strongly polar nitrile groups and functional cations. <i>Journal of Membrane Science</i> , 2017, 533, 121-129.	8.2	23
14	Selective Insertion in Copolymerization of Ethylene and Styrene Catalyzed by Half-Titanocene System Bearing Ketimide Ligand: A Theoretical Study. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1731-1738.	4.9	7
15	DFT study on 1,7-octadiene polymerization catalyzed by a non-bridged half-titanocene system. <i>RSC Advances</i> , 2016, 6, 69939-69946.	3.6	6
16	Poly(2,6-dimethyl-1,4-phenylene oxide) containing imidazolium-terminated long side chains as hydroxide exchange membranes with improved conductivity. <i>Journal of Membrane Science</i> , 2016, 518, 159-167.	8.2	48
17	Coordination Polymerization of $\hat{1},\hat{3}$ -Dienes Using Single-Site Metal Catalysts. <i>Mini-Reviews in Organic Chemistry</i> , 2016, 13, 349-362.	1.3	3