Xiaowei Zhao

List of Publications by Year
in descending order

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37 papers	1,694 citations	331670 21 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1402 citing authors

#	Article	IF	Citations
1	Reutilization of melamineâ€formaldehyde foam wastes: Removing Sn²⁺ in simulated tinâ€containing wastewater to transform a fire hazard suppressant of flexible poly(vinyl chloride). Journal of Applied Polymer Science, 2022, 139, 51724.	2.6	4
2	Fabrication of Bismuth Oxychloride Nanosheets Decorated with Chitosan and Phytic Acid for Improvement of Flexible Poly(vinyl chloride) Flame Retardancy. Fibers and Polymers, 2021, 22, 2656-2663.	2.1	8
3	Nanosilica modified with polyaspartic acid as an industrial circulating water scale inhibitor. Npj Clean Water, 2021, 4, .	8.0	12
4	Scale Inhibitors for Industrial Circulating Water Systems: A Review. Journal of Water Chemistry and Technology, 2021, 43, 517-525.	0.6	5
5	Bismuth oxychloride nanosheets for improvement of flexible poly (vinyl chloride) flame retardancy. Journal of Materials Science, 2020, 55, 631-643.	3.7	26
6	The synthesis of polyaspartic acid derivative PASP-Im and investigation of its scale inhibition performance and mechanism in industrial circulating water. RSC Advances, 2020, 10, 33595-33601.	3.6	13
7	Photoredox-Catalyzed Enantioselective Î±-Deuteration of Azaarenes with D2O. IScience, 2019, 16, 410-419.	4.1	64
8	Enantioselective reduction of azaarene-based ketones via visible light-driven photoredox asymmetric catalysis. Chemical Communications, 2019, 55, 7534-7537.	4.1	66
9	Chiral acid-catalysed enantioselective Câ^'H functionalization of toluene and its derivatives driven by visible light. Nature Communications, 2019, 10, 1774.	12.8	74
10	Catalytic Enantioselective Addition of Prochiral Radicals to Vinylpyridines. Journal of the American Chemical Society, 2019, 141, 5437-5443.	13.7	167
11	The inhibition of mild steel corrosion in 0.5 M H₂SO₄ solution by radish leaf extract. RSC Advances, 2019, 9, 40997-41009.	3.6	33
12	Cysteamine modified polyaspartic acid as a new class of green corrosion inhibitor for mild steel in sulfuric acid medium: Synthesis, electrochemical, surface study and theoretical calculation. Progress in Organic Coatings, 2019, 129, 159-170.	3.9	40
13	Sequential Photoredox Catalysis for Cascade Aerobic Decarboxylative Povarov and Oxidative Dehydrogenation Reactions of Nâ€Aryl Î±â€Amino Acids. Advanced Synthesis and Catalysis, 2018, 360, 1754-1760.	4.3	56
14	Conjugate Additionâ€"Enantioselective Protonation of N-Aryl Glycines to Î±-Branched 2-Vinylazaarenes via Cooperative Photoredox and Asymmetric Catalysis. Journal of the American Chemical Society, 2018, 140, 6083-6087.	13.7	225
15	Organocatalytic Enantioselective Addition of Î±-Aminoalkyl Radicals to Isoquinolines. Organic Letters, 2018, 20, 6298-6301.	4.6	118
16	Ni^{II}, Mn^{II}, and Co^{II} Coordination Polymers with 1,4-Naphthalenedicarboxylic Acid Exhibiting Metamagnetic and Antiferromagnetic Behaviors. Crystal Growth and Design, 2018, 18, 7541-7547.	3.0	16
17	Formal enantioconvergent substitution of alkyl halides via catalytic asymmetric photoredox radical coupling. Nature Communications, 2018, 9, 2445.	12.8	130
18	Functional polyaspartic acid derivatives as eco-friendly corrosion inhibitors for mild steel in 0.5ÂM H₂SO₄solution. RSC Advances, 2018, 8, 24970-24981.	3.6	30

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19	Catalytic enantioselective radical coupling of activated ketones with N-aryl glycines. Chemical Science, 2018, 9, 8094-8098.	7.4	98
20	Organocatalytic Asymmetric Cascade Aerobic Oxidation and Semipinacol Rearrangement Reaction: A Visible Lightâ€Induced Approach to Access Chiral 2,2â€Disubstituted Indolinâ€3â€ones. Chemistry - an Asian Journal, 2018, 13, 2382-2387.	3.3	53
21	Organocatalytic Asymmetric Tandem Conjugate Additionâ€“Protonation of Azlactones to N-Itaconimides. Synlett, 2017, 28, 1310-1314.	1.8	9
22	Organocatalytic Enantioselective Protonation for Photoreduction of Activated Ketones and Ketimines Induced by Visible Light. Angewandte Chemie, 2017, 129, 14030-14034.	2.0	19
23	Organocatalytic Enantioselective Protonation for Photoreduction of Activated Ketones and Ketimines Induced by Visible Light. Angewandte Chemie - International Edition, 2017, 56, 13842-13846.	13.8	101
24	Unique Static Magnetic and Dynamic Electromagnetic Behaviors in Titanium Nitride/Carbon Composites Driven by Defect Engineering. Scientific Reports, 2016, 6, 18927.	3.3	27
25	Catalytic Asymmetric Conjugate Addition and Sulfenylation of Diarylthiazolidin-2,4-diones. Journal of Organic Chemistry, 2016, 81, 9620-9629.	3.2	12
26	Highly Enantio- and Diastereoselective [4 + 2] Cycloaddition of 5H-oxazol-4-ones with N-Maleimides. Journal of Organic Chemistry, 2016, 81, 8061-8069.	3.2	18
27	Polymerization of l-proline functionalized styrene and its catalytic performance as a supported organocatalyst for direct enantioselective aldol reaction. Tetrahedron: Asymmetry, 2016, 27, 740-746.	1.8	11
28	Synthesis and evaluation of polyaspartic acid/furfurylamine graft copolymer as scale and corrosion inhibitor. RSC Advances, 2016, 6, 102406-102412.	3.6	21
29	Organocatalytic asymmetric formal arylation of benzofuran-2(3H)-ones with cooperative visible light photocatalysis. Chemical Communications, 2016, 52, 13955-13958.	4.1	42
30	Organocatalytic asymmetric conjugate addition of diaryloxazolidin-2,4-diones to nitroolefins: an efficient approach to chiral Î±-aryl-Î±-hydroxy carboxylic acids. Organic Chemistry Frontiers, 2016, 3, 470-474.	4.5	18
31	Ni3N/Ni composites with in-situ growth heterogeneous interfaces as microwave absorbing materials. Applied Physics Letters, 2015, 107, .	3.3	15
32	Preparation of a graphene-based composite aerogel and the effects of carbon nanotubes on preserving the porous structure of the aerogel and improving its capacitor performance. Journal of Materials Chemistry A, 2015, 3, 13445-13452.	10.3	39
33	Island-like nickel/carbon nanocomposites as potential microwave absorbersâ€”Synthesis via in situ solid phase route and investigation of electromagnetic properties. Journal of Alloys and Compounds, 2015, 644, 236-241.	5.5	18
34	<scp>l</scp>-Amino Acid Based Ureaâ€“Tertiary Amine-Catalyzed Chemoselective and Asymmetric Stereoablative Carboxylation of 3-Bromooxindoles with Malonic Acid Half Thioesters. Journal of Organic Chemistry, 2015, 80, 12686-12696.	3.2	31
35	Construction of spongy antimony-doped tin oxide/graphene nanocomposites using commercially available products and its excellent electrochemical performance. Journal of Power Sources, 2015, 294, 223-231.	7.8	20
36	Acyclic Amino Acid Based Bifunctional Chiral Tertiary Amines, Quaternary Ammoniums and Iminophosphoranes as OrganoÂcatalysts. Synlett, 2015, 26, 2216-2230.	1.8	28

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37	Synthesis of Ni/SiO2 nanocomposites for tunable electromagnetic absorption. Materials Letters, 2014, 121, 81-84.	2.6	27