

# Xiaowei Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3503276/publications.pdf>

Version: 2024-02-01

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	Conjugate Addition—Enantioselective Protonation of <i>N</i> -Aryl Glycines to $\beta$ -Branched 2-Vinylazaarenes via Cooperative Photoredox and Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 6083-6087.	13.7	225
2	Catalytic Enantioselective Addition of Prochiral Radicals to Vinylpyridines. <i>Journal of the American Chemical Society</i> , 2019, 141, 5437-5443.	13.7	167
3	Formal enantioconvergent substitution of alkyl halides via catalytic asymmetric photoredox radical coupling. <i>Nature Communications</i> , 2018, 9, 2445.	12.8	130
4	Organocatalytic Enantioselective Addition of $\beta$ -Aminoalkyl Radicals to Isoquinolines. <i>Organic Letters</i> , 2018, 20, 6298-6301.	4.6	118
5	Organocatalytic Enantioselective Protonation for Photoreduction of Activated Ketones and Ketimines Induced by Visible Light. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13842-13846.	13.8	101
6	Catalytic enantioselective radical coupling of activated ketones with <i>N</i> -aryl glycines. <i>Chemical Science</i> , 2018, 9, 8094-8098.	7.4	98
7	Chiral acid-catalysed enantioselective $\alpha$ -H functionalization of toluene and its derivatives driven by visible light. <i>Nature Communications</i> , 2019, 10, 1774.	12.8	74
8	Enantioselective reduction of azaarene-based ketones <i>via</i> visible light-driven photoredox asymmetric catalysis. <i>Chemical Communications</i> , 2019, 55, 7534-7537.	4.1	66
9	Photoredox-Catalyzed Enantioselective $\beta$ -Deuteration of Azaarenes with D <sub>2</sub> O. <i>IScience</i> , 2019, 16, 410-419.	4.1	64
10	Sequential Photoredox Catalysis for Cascade Aerobic Decarboxylative Povarov and Oxidative Dehydrogenation Reactions of <i>N</i> - $\beta$ -Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1754-1760.	4.3	56
11	Organocatalytic Asymmetric Cascade Aerobic Oxidation and Semipinacol Rearrangement Reaction: A Visible Light-Induced Approach to Access Chiral 2,2-Disubstituted Indolinones. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2382-2387.	3.3	53
12	Organocatalytic asymmetric formal arylation of benzofuran-2(3H)-ones with cooperative visible light photocatalysis. <i>Chemical Communications</i> , 2016, 52, 13955-13958.	4.1	42
13	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. <i>Progress in Organic Coatings</i> , 2019, 129, 159-170.	3.9	40
14	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. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13445-13452.	10.3	39
15	The inhibition of mild steel corrosion in 0.5 M H <sub>2</sub> SO <sub>4</sub> solution by radish leaf extract. <i>RSC Advances</i> , 2019, 9, 40997-41009.	3.6	33
16	<i>N</i> -Amino Acid Based Urea—Tertiary Amine-Catalyzed Chemoselective and Asymmetric Stereoselective Carboxylation of 3-Bromoindoles with Malonic Acid Half Thioesters. <i>Journal of Organic Chemistry</i> , 2015, 80, 12686-12696.	3.2	31
17	Functional polyaspartic acid derivatives as eco-friendly corrosion inhibitors for mild steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> solution. <i>RSC Advances</i> , 2018, 8, 24970-24981.	3.6	30
18	Acyclic Amino Acid Based Bifunctional Chiral Tertiary Amines, Quaternary Ammoniums and Iminophosphoranes as Organocatalysts. <i>Synlett</i> , 2015, 26, 2216-2230.	1.8	28

#	ARTICLE	IF	CITATIONS
19	Synthesis of Ni/SiO <sub>2</sub> nanocomposites for tunable electromagnetic absorption. <i>Materials Letters</i> , 2014, 121, 81-84.	2.6	27
20	Unique Static Magnetic and Dynamic Electromagnetic Behaviors in Titanium Nitride/Carbon Composites Driven by Defect Engineering. <i>Scientific Reports</i> , 2016, 6, 18927.	3.3	27
21	Bismuth oxychloride nanosheets for improvement of flexible poly (vinyl chloride) flame retardancy. <i>Journal of Materials Science</i> , 2020, 55, 631-643.	3.7	26
22	Synthesis and evaluation of polyaspartic acid/furfurylamine graft copolymer as scale and corrosion inhibitor. <i>RSC Advances</i> , 2016, 6, 102406-102412.	3.6	21
23	Construction of spongy antimony-doped tin oxide/graphene nanocomposites using commercially available products and its excellent electrochemical performance. <i>Journal of Power Sources</i> , 2015, 294, 223-231.	7.8	20
24	Organocatalytic Enantioselective Protonation for Photoreduction of Activated Ketones and Ketimines Induced by Visible Light. <i>Angewandte Chemie</i> , 2017, 129, 14030-14034.	2.0	19
25	Island-like nickel/carbon nanocomposites as potential microwave absorbers—Synthesis via in situ solid phase route and investigation of electromagnetic properties. <i>Journal of Alloys and Compounds</i> , 2015, 644, 236-241.	5.5	18
26	Highly Enantio- and Diastereoselective [4 + 2] Cycloaddition of 5-H-oxazol-4-ones with N-Maleimides. <i>Journal of Organic Chemistry</i> , 2016, 81, 8061-8069.	3.2	18
27	Organocatalytic asymmetric conjugate addition of diaryloxazolidin-2,4-diones to nitroolefins: an efficient approach to chiral $\alpha$ -aryl- $\beta$ -hydroxy carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2016, 3, 470-474.	4.5	18
28	Ni <sup>II</sup> , Mn <sup>II</sup> , and Co <sup>II</sup> Coordination Polymers with 1,4-Naphthalenedicarboxylic Acid Exhibiting Metamagnetic and Antiferromagnetic Behaviors. <i>Crystal Growth and Design</i> , 2018, 18, 7541-7547.	3.0	16
29	Ni <sub>3</sub> N/Ni composites with in-situ growth heterogeneous interfaces as microwave absorbing materials. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	15
30	The synthesis of polyaspartic acid derivative PASP-Im and investigation of its scale inhibition performance and mechanism in industrial circulating water. <i>RSC Advances</i> , 2020, 10, 33595-33601.	3.6	13
31	Catalytic Asymmetric Conjugate Addition and Sulfenylation of Diarylthiazolidin-2,4-diones. <i>Journal of Organic Chemistry</i> , 2016, 81, 9620-9629.	3.2	12
32	Nanosilica modified with polyaspartic acid as an industrial circulating water scale inhibitor. <i>Npj Clean Water</i> , 2021, 4, .	8.0	12
33	Polymerization of l-proline functionalized styrene and its catalytic performance as a supported organocatalyst for direct enantioselective aldol reaction. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 740-746.	1.8	11
34	Organocatalytic Asymmetric Tandem Conjugate Addition—Protonation of Azlactones to N-Itaconimides. <i>Synlett</i> , 2017, 28, 1310-1314.	1.8	9
35	Fabrication of Bismuth Oxychloride Nanosheets Decorated with Chitosan and Phytic Acid for Improvement of Flexible Poly(vinyl chloride) Flame Retardancy. <i>Fibers and Polymers</i> , 2021, 22, 2656-2663.	2.1	8
36	Scale Inhibitors for Industrial Circulating Water Systems: A Review. <i>Journal of Water Chemistry and Technology</i> , 2021, 43, 517-525.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Reutilization of melamine-formaldehyde foam wastes: Removing Sn <sup>2+</sup> in simulated tin-containing wastewater to transform a fire hazard suppressant of flexible poly(vinyl chloride). Journal of Applied Polymer Science, 2022, 139, 51724.	2.6	4