

Yifei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,777
citations

331538

21
h-index

330025

37
g-index

39
all docs

39
docs citations

39
times ranked

3748
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Pot Synthesis of Protein-Embedded Metal-Organic Frameworks with Enhanced Biological Activities. <i>Nano Letters</i> , 2014, 14, 5761-5765.	4.5	754
2	Enhanced Activity of Immobilized or Chemically Modified Enzymes. <i>ACS Catalysis</i> , 2015, 5, 4503-4513.	5.5	348
3	Proximity does not contribute to activity enhancement in the glucose oxidase-horseradish peroxidase cascade. <i>Nature Communications</i> , 2016, 7, 13982.	5.8	287
4	Spatial co-localization of multi-enzymes by inorganic nanocrystal-protein complexes. <i>Chemical Communications</i> , 2014, 50, 12465-12468.	2.2	159
5	Toward Rational Design of High-efficiency Enzyme Cascades. <i>ACS Catalysis</i> , 2017, 7, 6018-6027.	5.5	156
6	Rapid Detection of Phenol Using a Membrane Containing Laccase Nanoflowers. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2358-2360.	1.7	126
7	Increasing Enzyme Cascade Throughput by pH-Engineering the Microenvironment of Individual Enzymes. <i>ACS Catalysis</i> , 2017, 7, 2047-2051.	5.5	100
8	Ink-jet printing an optimal multi-enzyme system. <i>Chemical Communications</i> , 2014, 50, 12919-12922.	2.2	67
9	Complex dynamics in a two-enzyme reaction network with substrate competition. <i>Nature Catalysis</i> , 2018, 1, 276-281.	16.1	66
10	Temperature-responsive enzyme-polymer nanoconjugates with enhanced catalytic activities in organic media. <i>Chemical Communications</i> , 2013, 49, 6090.	2.2	65
11	Chemically-powered swimming and diffusion in the microscopic world. <i>Nature Reviews Chemistry</i> , 2021, 5, 500-510.	13.8	61
12	Functional protein-organic/inorganic hybrid nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 320-328.	3.3	58
13	Enhanced Diffusion of Catalytically Active Enzymes. <i>ACS Central Science</i> , 2019, 5, 939-948.	5.3	50
14	Lectin Agglutinated Multienzyme Catalyst with Enhanced Substrate Affinity and Activity. <i>ACS Catalysis</i> , 2016, 6, 3789-3795.	5.5	47
15	Magnetic enzyme nanogel (MENG): a universal synthetic route for biocatalysts. <i>Chemical Communications</i> , 2012, 48, 3315.	2.2	46
16	Substrate imprinted lipase nanogel for one-step synthesis of chloramphenicol palmitate. <i>Green Chemistry</i> , 2013, 15, 1155.	4.6	43
17	Aldolase Does Not Show Enhanced Diffusion in Dynamic Light Scattering Experiments. <i>Nano Letters</i> , 2018, 18, 8025-8029.	4.5	37
18	Chemo-enzymatic synthesis of valrubicin using Pluronic conjugated lipase with temperature responsiveness in organic media. <i>RSC Advances</i> , 2013, 3, 22963.	1.7	29

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19	Graphene oxide enabled long-term enzymatic transesterification in an anhydrous gas flux. <i>Nature Communications</i> , 2019, 10, 2684.	5.8	28
20	Lectin corona enhances enzymatic catalysis on the surface of magnetic nanoparticles. <i>Biochemical Engineering Journal</i> , 2018, 129, 26-32.	1.8	27
21	Redesigning regulatory components of quorum-sensing system for diverse metabolic control. <i>Nature Communications</i> , 2022, 13, 2182.	5.8	26
22	Lipase-Catalyzed One-Step and Regioselective Synthesis of Clindamycin Palmitate. <i>Organic Process Research and Development</i> , 2013, 17, 1179-1182.	1.3	21
23	Microscale Colocalization of Cascade Enzymes Yields Activity Enhancement. <i>ACS Nano</i> , 2022, 16, 10383-10391.	7.3	21
24	Controlled display of enzyme activity with a stretchable hydrogel. <i>Chemical Communications</i> , 2013, 49, 9815.	2.2	20
25	A general method for synthesizing enzyme-polymer conjugates in reverse emulsions using Pluronic as a reactive surfactant. <i>Chemical Communications</i> , 2015, 51, 9674-9677.	2.2	20
26	Reversible encapsulation of lysozyme within mPEG-b-PMAA: experimental observation and molecular dynamics simulation. <i>Soft Matter</i> , 2013, 9, 8723.	1.2	18
27	Reversibly Bound Kinesin-1 Motor Proteins Propelling Microtubules Demonstrate Dynamic Recruitment of Active Building Blocks. <i>Nano Letters</i> , 2018, 18, 1530-1534.	4.5	17
28	Synthesis of Lutein Esters by Using a Reusable Lipase-Pluronic Conjugate as the Catalyst. <i>Catalysis Letters</i> , 2015, 145, 1825-1829.	1.4	15
29	Enzymatic Synthesis of Lutein Dipalmitate in Organic Solvents. <i>Catalysis Letters</i> , 2015, 145, 995-999.	1.4	13
30	Inhibitors in Commercially Available 2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonate) Affect Enzymatic Assays. <i>Analytical Chemistry</i> , 2020, 92, 1502-1510.	3.2	11
31	Microenvironmental engineering: An effective strategy for tailoring enzymatic activities. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2028-2036.	1.7	10
32	Activation of enzyme nanogel in organic solvents by PEG-substrate joint imprinting. <i>RSC Advances</i> , 2014, 4, 40301.	1.7	9
33	Enantioselective Ammonolysis of Phenylglycine Methyl Ester with Lipase-Pluronic Nanoconjugate in Tertiary Butanol. <i>Catalysis Letters</i> , 2014, 144, 1407-1410.	1.4	8
34	Uniform mPEG-b-PMETAC enables pH-responsive delivery of insulin. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
35	Kinesin-Recruiting Microtubules Exhibit Collective Gliding Motion while Forming Motor Trails. <i>ACS Nano</i> , 2020, 14, 16547-16557.	7.3	3
36	Toward modular construction of cell-free multienzyme systems. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1749-1760.	6.9	3

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37	Epoxidation of Fatty Acids by Pluronic-Conjugated Lipase in Organic Media. <i>Catalysis Letters</i> , 2016, 146, 1073-1078.	1.4	2
38	Actuating macroscopic machines with nanoscopic engines. <i>Matter</i> , 2021, 4, 1100-1101.	5.0	1