

List of Publications by Year in  
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86 papers	5,126 citations	31 h-index	71 g-index
91 ext. papers	5,965 ext. citations	7.5 avg, IF	6.05 L-index

#	Paper	IF	Citations
86	Design of enzyme-metal hybrid catalysts for organic synthesis. <i>Cell Reports Physical Science</i> , <b>2022</b> , 1007421	12.1	2
85	Rapid synthesis of Pd single-atom/cluster as highly active catalysts for Suzuki coupling reactions. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 1058-1065	11.3	1
84	Defect engineering of enzyme-embedded metal-organic frameworks for smart cargo release. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135736	14.7	2
83	Origin of Metal Cluster Tuning Enzyme Activity at the Bio-Nano Interface.. <i>Jacs Au</i> , <b>2022</b> , 2, 961-971		1
82	Cooperative catalysis by a single-atom enzyme-metal complex.. <i>Nature Communications</i> , <b>2022</b> , 13, 2189	17.4	2
81	Role of SaPCR2 in Zn Uptake in the Root Elongation Zone of the Zn/Cd Hyperaccumulator <i>Sedum alfredii</i> . <i>Life</i> , <b>2022</b> , 12, 768	3	
80	Enzyme-metal nanocomposites for antibacterial applications. <i>Particuology</i> , <b>2021</b> , 64, 134-134	2.8	3
79	Impact of the size effect on enzymatic electrochemical detection based on metal-organic frameworks. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1149, 238191	6.6	9
78	Impact of Metal-Organic Frameworks on Protein Expression. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1403-1408	4	0
77	Exogenous application of Mn significantly increased Cd accumulation in the Cd/Zn hyperaccumulator <i>Sedum alfredii</i> . <i>Environmental Pollution</i> , <b>2021</b> , 278, 116837	9.3	4
76	Advances in photo-enzymatic-coupling catalysis system. <i>Systems Microbiology and Biomanufacturing</i> , <b>2021</b> , 1, 245		0
75	Reshaping the active pocket of promiscuous lactonases for degrading bulky organophosphate flame retardants. <i>Chemical Communications</i> , <b>2021</b> , 57, 6475-6478	5.8	3
74	Study of Specific Receptor Binding Mode Suggests a Possible Enzymatic Disinfectant for SARS-CoV-2. <i>Langmuir</i> , <b>2021</b> , 37, 1707-1713	4	0
73	Enzyme Catalyst Engineering toward the Integration of Biocatalysis and Chemocatalysis. <i>Trends in Biotechnology</i> , <b>2021</b> , 39, 1173-1183	15.1	16
72	Confining Enzyme Clusters in Bacteriophage P22 Enhances Cofactor Recycling and Stereoselectivity for Chiral Alcohol Synthesis. <i>ACS Catalysis</i> , <b>2021</b> , 11, 10487-10493	13.1	1
71	O-glycosyltransferases from contributes to the biosynthesis of and Glycyrrhizin in. <i>Synthetic and Systems Biotechnology</i> , <b>2021</b> , 6, 173-179	4.2	2
70	Antioxidative Composites Based on Multienzyme Systems Encapsulated in Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 46431-46439	9.5	5

69	Hybrid enzyme catalysts synthesized by a de novo approach for expanding biocatalysis. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1625-1633	11.3	6
68	Nickel tolerance, translocation and accumulation in a Cd/Zn co-hyperaccumulator plant <i>Sedum alfredii</i> . <i>Journal of Hazardous Materials</i> , <b>2020</b> , 398, 123074	12.8	8
67	Reaction of chloroauric acid with histidine in microdroplets yields a catalytic Au-(His) complex. <i>Chemical Science</i> , <b>2020</b> , 11, 2558-2565	9.4	13
66	Green nanoparticles for oligonucleotide delivery. <i>Gene Therapy</i> , <b>2020</b> , 27, 535-536	4	1
65	Micro-XRF mapping and quantitative assessment of Cd in rice ( <i>Oryza sativa</i> L.) roots. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 193, 110245	7	7
64	Defect-induced activity enhancement of enzyme-encapsulated metal-organic frameworks revealed in microfluidic gradient mixing synthesis. <i>Science Advances</i> , <b>2020</b> , 6, eaax5785	14.3	82
63	A heparin derivatives library constructed by chemical modification and enzymatic depolymerization for exploitation of non-anticoagulant functions. <i>Carbohydrate Polymers</i> , <b>2020</b> , 249, 116824	10.3	4
62	Enzyme-Metal Hybrid Catalysts for Chemoenzymatic Reactions. <i>Small</i> , <b>2020</b> , 16, e1902751	11	18
61	A Cd/Zn Co-hyperaccumulator and Pb accumulator, <i>Sedum alfredii</i> , is of high Cu tolerance. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114401	9.3	17
60	Highly active enzyme-metal nanohybrids synthesized in protein-polymer conjugates. <i>Nature Catalysis</i> , <b>2019</b> , 2, 718-725	36.5	60
59	Targeted Heating of Enzyme Systems Based on Photothermal Materials. <i>ChemBioChem</i> , <b>2019</b> , 20, 2467-2473	24.3	3
58	Bifunctional Therapy by Zinc-Cobalt Bimetal-Organic Framework with Encapsulated Doxorubicin to Overcome Drug-Resistance. <i>ChemNanoMat</i> , <b>2019</b> , 5, 1531-1539	3.5	
57	Packaging and delivering enzymes by amorphous metal-organic frameworks. <i>Nature Communications</i> , <b>2019</b> , 10, 5165	17.4	119
56	Investigating the origin of high efficiency in confined multienzyme catalysis. <i>Nanoscale</i> , <b>2019</b> , 11, 22108-22117	22.7	22
55	Lectin corona enhances enzymatic catalysis on the surface of magnetic nanoparticles. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 129, 26-32	4.2	22
54	Cross-linked enzyme-polymer conjugates with excellent stability and detergent-enhanced activity for efficient organophosphate degradation. <i>Bioresources and Bioprocessing</i> , <b>2018</b> , 5,	5.2	10
53	Immobilization on Metal-Organic Framework Enhancers High Sensitivity for Enzymatic Electrochemical Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13831-13836	9.5	120
52	Enhanced enzymatic reactions by solar-to-thermal conversion nanoparticles. <i>Chemical Communications</i> , <b>2017</b> , 53, 5048-5051	5.8	4

51	Green synthesis of enzyme/metal-organic framework composites with high stability in protein denaturing solvents. <i>Bioresources and Bioprocessing</i> , <b>2017</b> , 4, 24	5.2	92
50	Armoring Enzymes by Metal-Organic Frameworks by the Coprecipitation Method. <i>Methods in Enzymology</i> , <b>2017</b> , 590, 59-75	1.7	8
49	Synthesis of patterned enzyme/metal-organic framework composites by ink-jet printing. <i>Bioresources and Bioprocessing</i> , <b>2017</b> , 4,	5.2	17
48	Epoxidation of Fatty Acids by Pluronic-Conjugated Lipase in Organic Media. <i>Catalysis Letters</i> , <b>2016</b> , 146, 1073-1078	2.8	1
47	Calcium Deficiency Triggers Phloem Remobilization of Cadmium in a Hyperaccumulating Species. <i>Plant Physiology</i> , <b>2016</b> , 172, 2300-2313	6.6	33
46	An enzyme-copper nanoparticle hybrid catalyst prepared from disassembly of an enzyme-organic nanocrystal three-dimensional nanostructure. <i>RSC Advances</i> , <b>2016</b> , 6, 20772-20776	3.7	26
45	Lectin Agglutinated Multienzyme Catalyst with Enhanced Substrate Affinity and Activity. <i>ACS Catalysis</i> , <b>2016</b> , 6, 3789-3795	13.1	40
44	Highly active, stable and self-antimicrobial enzyme catalysts prepared by biomimetic mineralization of copper hydroxysulfate. <i>Nanoscale</i> , <b>2016</b> , 8, 17440-17445	7.7	52
43	Enhanced Activity of Immobilized or Chemically Modified Enzymes. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4503-4513	13.1	278
42	Synthesis of Lutein Esters by Using a Reusable Lipase-Pluronic Conjugate as the Catalyst. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1825-1829	2.8	12
41	Enzymatic Catalysis in Melted Polymer as Green and Reusable Solvent. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1510-1513	13.1	1
40	Facile synthesis of multiple enzyme-containing metal-organic frameworks in a biomolecule-friendly environment. <i>Chemical Communications</i> , <b>2015</b> , 51, 13408-11	5.8	375
39	Enzymatic Synthesis of Lutein Dipalmitate in Organic Solvents. <i>Catalysis Letters</i> , <b>2015</b> , 145, 995-999	2.8	12
38	A general method for synthesizing enzyme-polymer conjugates in reverse emulsions using Pluronic as a reactive surfactant. <i>Chemical Communications</i> , <b>2015</b> , 51, 9674-7	5.8	18
37	Metal-organic frameworks and inorganic nanoflowers: a type of emerging inorganic crystal nanocarrier for enzyme immobilization. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 5077-5085	5.5	183
36	Lipase-catalyzed synthesis of MPEG methyl acrylates in solvent-free system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 122, 305-313		2
35	Polydopamine tethered enzyme/metal-organic framework composites with high stability and reusability. <i>Nanoscale</i> , <b>2015</b> , 7, 18883-6	7.7	147
34	Synthesis of enzyme-embedded metal-organic framework nanocrystals in reverse micelles. <i>RSC Advances</i> , <b>2015</b> , 5, 101293-101296	3.7	53

33	Enzymatic Synthesis of High-Molecular-Weight Poly(butylene succinate) and its Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 636-640	2.6	26
32	Spatial co-localization of multi-enzymes by inorganic nanocrystal-protein complexes. <i>Chemical Communications</i> , <b>2014</b> , 50, 12465-8	5.8	131
31	Activation of enzyme nanogel in organic solvents by PEG-substrate joint imprinting. <i>RSC Advances</i> , <b>2014</b> , 4, 40301	3.7	9
30	One-pot synthesis of protein-embedded metal-organic frameworks with enhanced biological activities. <i>Nano Letters</i> , <b>2014</b> , 14, 5761-5	11.5	585
29	Ink-jet printing an optimal multi-enzyme system. <i>Chemical Communications</i> , <b>2014</b> , 50, 12919-22	5.8	59
28	Enantioselective Ammonolysis of Phenylglycine Methyl Ester with Lipase-Pluronic Nanoconjugate in Tertiary Butanol. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1407-1410	2.8	8
27	Lipase-Catalyzed One-Step and Regioselective Synthesis of Clindamycin Palmitate. <i>Organic Process Research and Development</i> , <b>2013</b> , 17, 1179-1182	3.9	17
26	Chemo-enzymatic synthesis of valrubicin using Pluronic conjugated lipase with temperature responsiveness in organic media. <i>RSC Advances</i> , <b>2013</b> , 3, 22963	3.7	25
25	Controlled display of enzyme activity with a stretchable hydrogel. <i>Chemical Communications</i> , <b>2013</b> , 49, 9815-7	5.8	19
24	Substrate imprinted lipase nanogel for one-step synthesis of chloramphenicol palmitate. <i>Green Chemistry</i> , <b>2013</b> , 15, 1155	10	38
23	Temperature-responsive enzyme-polymer nanoconjugates with enhanced catalytic activities in organic media. <i>Chemical Communications</i> , <b>2013</b> , 49, 6090-2	5.8	56
22	Rapid detection of phenol using a membrane containing laccase nanoflowers. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2358-60	4.5	107
21	Functional protein-organic/inorganic hybrid nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2013</b> , 5, 320-8	9.2	54
20	Protein-polymer hybrid nanoparticles for drug delivery. <i>Small</i> , <b>2012</b> , 8, 3573-8	11	77
19	Drug release from electric-field-responsive nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 227-33	16.7	370
18	Nanobiocatalysis in Organic Media: Opportunities for Enzymes in Nanostructures. <i>Topics in Catalysis</i> , <b>2012</b> , 55, 1070-1080	2.3	33
17	Protein-inorganic hybrid nanoflowers. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 428-32	28.7	761
16	Glucose-Driven Fuel Cell Constructed from Enzymes and Filter Paper. <i>Journal of Chemical Education</i> , <b>2011</b> , 88, 1283-1286	2.4	10

15	Preparation and characterization of single-enzyme nanogels. <i>Methods in Molecular Biology</i> , <b>2011</b> , 743, 119-30	1.4	3
14	Bovine serum albumin-poly(methyl methacrylate) nanoparticles: an example of frustrated phase separation. <i>Nano Letters</i> , <b>2011</b> , 11, 2551-4	11.5	29
13	Uniform polymer-protein conjugate by aqueous AGET ATRP using protein as a macroinitiator. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 2131-8	10.8	31
12	A lipase-responsive vehicle using amphipathic polymer synthesized with the lipase as catalyst. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 546-50	4.8	32
11	General method for producing organic nanoparticles using nanoporous membranes. <i>Nano Letters</i> , <b>2010</b> , 10, 2202-6	11.5	55
10	Sustained release of nucleic acids from polymeric nanoparticles using microemulsion precipitation in supercritical carbon dioxide. <i>Chemical Communications</i> , <b>2010</b> , 46, 9034-6	5.8	22
9	Recent advances in nanostructured biocatalysts. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 44, 53-59	4.2	137
8	Lipase nanogel catalyzed transesterification in anhydrous dimethyl sulfoxide. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1612-8	6.9	95
7	Molecular fundamentals of enzyme nanogels. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 14319-24	3.4	73
6	Hyperbranched polymer conjugated lipase with enhanced activity and stability. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 36, 93-99	4.2	42
5	Encapsulation of single enzyme in nanogel with enhanced biocatalytic activity and stability. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11008-9	16.4	265
4	Preparation and characterization of a temperature-sensitive sulfobetaine polymerTrypsin conjugate. <i>Biochemical Engineering Journal</i> , <b>2006</b> , 30, 48-54	4.2	31
3	Biomimetic Mineralization of Prussian Blue Analogue-Incorporated Glucose Oxidase Hybrid Catalyst for Glucose Detection. <i>Catalysis Letters</i> , 1	2.8	0
2	Diffusion process in enzyme-metal hybrid catalysts. <i>Frontiers of Chemical Science and Engineering</i> , 1	4.5	
1	Multienzyme System in Amorphous Metal-Organic Frameworks for Intracellular Lactate Detection. <i>Nano Letters</i> ,	11.5	6