

Na Wang

List of Publications by Year in descending order

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77
papers

1,822
citations

279798

23
h-index

289244

40
g-index

80
all docs

80
docs citations

80
times ranked

2242
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalytic promiscuity: the first lipase-catalysed asymmetric aldol reaction. <i>Green Chemistry</i> , 2008, 10, 616.	9.0	202
2	Lipase-catalysed direct Mannich reaction in water: utilization of biocatalytic promiscuity for C-C bond formation in a one-pot synthesis. <i>Green Chemistry</i> , 2009, 11, 777.	9.0	167
3	Ultra-light 3D nanofibre-nets binary structured nylon 6 polyacrylonitrile membranes for efficient filtration of fine particulate matter. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23946-23954.	10.3	153
4	Novel Magnetic Cross-Linked Cellulase Aggregates with a Potential Application in Lignocellulosic Biomass Bioconversion. <i>Molecules</i> , 2017, 22, 269.	3.8	82
5	Lipase-catalysed decarboxylative aldol reaction and decarboxylative Knoevenagel reaction. <i>Green Chemistry</i> , 2009, 11, 1933.	9.0	80
6	Catalytic Diverse Radical-Mediated 1,2-Cyanofunctionalization of Unactivated Alkenes via Synergistic Remote Cyano Migration and Protected Strategies. <i>Organic Letters</i> , 2016, 18, 6026-6029.	4.6	72
7	Precise Fault Location in WDM-PON by Utilizing Wavelength Tunable Chaotic Laser. <i>Journal of Lightwave Technology</i> , 2012, 30, 3420-3426.	4.6	67
8	Amplification of G-quadruplex DNAzymes using PCR-like temperature cycles for specific nucleic acid and single nucleotide polymorphism detection. <i>Chemical Communications</i> , 2011, 47, 1728-1730.	4.1	47
9	Lipase-Catalyzed Stereoselective Cross-Aldol Reaction Promoted by Water. <i>ChemCatChem</i> , 2013, 5, 1935-1940.	3.7	45
10	Lipase-catalyzed synthesis of oxidation-responsive poly(ethylene glycol)-b-poly(β -thioether ester) amphiphilic block copolymers. <i>RSC Advances</i> , 2016, 6, 11870-11879.	3.6	39
11	Oximinotrifluoromethylation of unactivated alkenes under ambient conditions. <i>Chemical Communications</i> , 2018, 54, 8885-8888.	4.1	39
12	EST-SSR marker development based on RNA-sequencing of <i>E. sibiricus</i> and its application for phylogenetic relationships analysis of seventeen <i>Elymus</i> species. <i>BMC Plant Biology</i> , 2019, 19, 235.	3.6	34
13	GSH/pH dual-responsive biodegradable camptothecin polymeric prodrugs combined with doxorubicin for synergistic anticancer efficiency. <i>Biomaterials Science</i> , 2019, 7, 3277-3286.	5.4	33
14	Trypsin-catalyzed tandem reaction: One-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones by in situ formed acetaldehyde. <i>Journal of Biotechnology</i> , 2014, 170, 1-5.	3.8	30
15	Direct Photocatalytic Synthesis of Medium-Sized Lactams by C-C Bond Cleavage. <i>Angewandte Chemie</i> , 2018, 130, 14421-14425.	2.0	30
16	Dual Energy Transfer-Based DNA/Graphene Oxide Nanocomplex Probe for Highly Robust and Accurate Monitoring of Apoptosis-Related microRNAs. <i>Analytical Chemistry</i> , 2020, 92, 11565-11572.	6.5	28
17	Multifunctional carbon quantum dots as a theranostic nanomedicine for fluorescence imaging-guided glutathione depletion to improve chemodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1219-1228.	9.4	28
18	CALB Immobilized onto Magnetic Nanoparticles for Efficient Kinetic Resolution of Racemic Secondary Alcohols: Long-Term Stability and Reusability. <i>Molecules</i> , 2019, 24, 490.	3.8	27

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19	Magnetic COFs as satisfactory support for lipase immobilization and recovery to effectively achieve the production of biodiesel by maintenance of enzyme activity. <i>Biotechnology for Biofuels</i> , 2021, 14, 156.	6.2	27
20	Immobilization of <i>Aspergillus terreus</i> lipase in self-assembled hollow nanospheres for enantioselective hydrolysis of ketoprofen vinyl ester. <i>Journal of Biotechnology</i> , 2015, 194, 12-18.	3.8	25
21	Simultaneous determination of dipyrindamole and salicylic acid in human plasma by high performance liquid chromatography-mass spectrometry. <i>Biomedical Chromatography</i> , 2008, 22, 149-156.	1.7	24
22	Improved Performance of Magnetic Cross-Linked Lipase Aggregates by Interfacial Activation: A Robust and Magnetically Recyclable Biocatalyst for Transesterification of <i>Jatropha</i> Oil. <i>Molecules</i> , 2017, 22, 2157.	3.8	24
23	Hydrogen bonds in the crystal structure of hydrophobic and hydrophilic COOH-functionalized imidazolium ionic liquids. <i>CrystEngComm</i> , 2014, 16, 3040-3046.	2.6	23
24	Lipase-initiated Tandem Biginelli Reactions <i>in situ</i> -Formed Acetaldehydes in One Pot: Discovery of Single-Ring Deep Blue Luminogens. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3397-3406.	4.3	22
25	<i>In vivo</i> protein targets for increased quinoprotein adduct formation in aged substantia nigra. <i>Experimental Neurology</i> , 2015, 271, 13-24.	4.1	20
26	Improved activity of lipase immobilized in microemulsion-based organogels for (R, S)-ketoprofen ester resolution: Long-term stability and reusability. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 7, 1-8.	4.4	19
27	Synthetic Regulation of 1,4-dihydropyridines for the AIE or AIEE Effect: From Rational Design to Mechanistic Views. <i>Chemistry - A European Journal</i> , 2018, 24, 4871-4878.	3.3	19
28	Hydrofunctionalization of alkenols triggered by the addition of diverse radicals to unactivated alkenes and subsequent remote hydrogen atom translocation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2810-2814.	4.5	19
29	One-Pot Synthesis-Biocompatible Copper-Tripeptide Complex as a Nanocatalytic Medicine to Enhance Chemodynamic Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1394-1402.	5.2	19
30	Hydrophobic AgNPs: one-step synthesis in aqueous solution and their greatly enhanced performance for SERS detection. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10465-10470.	5.5	18
31	Fast and high-efficiency synthesis of 2-substituted benzothiazoles via combining enzyme catalysis and photoredox catalysis in one-pot. <i>Bioorganic Chemistry</i> , 2021, 107, 104607.	4.1	18
32	Synthesis of amino-terminated hyperbranched polymers and their application in microfiber synthetic leather base dyeing. <i>Textile Research Journal</i> , 2013, 83, 381-395.	2.2	17
33	Structure, crystallization behavior, and thermal stability of PP/MCM-41 nanocomposite. <i>Polymer Engineering and Science</i> , 2009, 49, 2459-2466.	3.1	15
34	Rational Construction of a Mitochondrial Targeting, Fluorescent Self-Reporting Drug-Delivery Platform for Combined Enhancement of Endogenous ROS Responsiveness. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32432-32445.	8.0	15
35	Growth of single crystalline boron nanotubes in a Cu alloy. <i>CrystEngComm</i> , 2017, 19, 4510-4518.	2.6	14
36	Trackable Water-Soluble Prodrug Micelles Capable of Rapid Mitochondrial-Targeting and Alkaline pH-Responsive Drug Release for Highly Improved Anticancer Efficacy. <i>ACS Macro Letters</i> , 2019, 8, 719-723.	4.8	13

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37	Enzyme-catalysed one-pot synthesis of 4H-pyrimido[2,1-b] benzothiazoles and their application in subcellular imaging. <i>Journal of Biotechnology</i> , 2020, 324, 91-98.	3.8	13
38	Steering control based on model predictive control for obstacle avoidance of unmanned ground vehicle. <i>Measurement and Control</i> , 2020, 53, 501-518.	1.8	13
39	Biocatalytic One-Pot Three-Component Synthesis of Indoloquinolizines with High Diastereoselectivity. <i>Catalysis Letters</i> , 2019, 149, 638-643.	2.6	12
40	Construction of the first high-density genetic linkage map and identification of seed yield-related QTLs and candidate genes in <i>Elymus sibiricus</i> , an important forage grass in Qinghai-Tibet Plateau. <i>BMC Genomics</i> , 2019, 20, 861.	2.8	12
41	Aggregation-Induced Emission Probes for Specific Turn-On Quantification of Bovine Serum Albumin. <i>ACS Applied Bio Materials</i> , 2020, 3, 5193-5201.	4.6	11
42	The key bacterial cell division protein FtsZ as a novel antibacterial drug target. <i>Bosnian Journal of Basic Medical Sciences</i> , 2020, 20, 310-318.	1.0	11
43	Arm effects of mononuclear armed cyclen copper complexes on DNA cleavage. <i>Transition Metal Chemistry</i> , 2008, 33, 759-765.	1.4	10
44	Water-soluble mitochondria-targeting polymeric prodrug micelles for fluorescence monitoring and high intracellular anticancer efficiency. <i>Polymer Chemistry</i> , 2017, 8, 5982-5987.	3.9	10
45	The fluorescence self-healing mechanism and temperature-sensitive properties of a multifunctional phosphosilicate phosphor. <i>Journal of Materials Science</i> , 2019, 54, 6434-6450.	3.7	10
46	Enzymatic synthesis of selenium-containing amphiphilic aliphatic polycarbonate as an oxidation-responsive drug delivery vehicle. <i>RSC Advances</i> , 2019, 9, 6003-6010.	3.6	10
47	Effect of organic grafting expandable graphite on combustion behaviors and thermal stability of low-density polyethylene composites. <i>Polymer Composites</i> , 2020, 41, 719-728.	4.6	10
48	CsAtf1, a bZIP transcription factor, is involved in fludioxonil sensitivity and virulence in the rubber tree anthracnose fungus <i>Colletotrichum siamense</i> . <i>Fungal Genetics and Biology</i> , 2022, 158, 103649.	2.1	10
49	One-Pot Lipase-Catalyzed Aldol Reaction Combination of In Situ Formed Acetaldehyde. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1559-1567.	2.9	9
50	Lipase-catalyzed regioselective domino reaction for the synthesis of chromenone derivatives. <i>RSC Advances</i> , 2015, 5, 78927-78932.	3.6	9
51	Synergistic effects of red phosphorus masterbatch with expandable graphite on the flammability and thermal stability of polypropylene/thermoplastic polyurethane blends. <i>Polymers and Polymer Composites</i> , 2020, 28, 209-219.	1.9	9
52	Nanosurface energy transfer indicating Exo III-propelled stochastic 3D DNA walkers for HIV DNA detection. <i>Analyst</i> , 2021, 146, 1675-1681.	3.5	9
53	Lipase-catalyzed synthesis of pH-responsive poly(2-thioether ester)-poly(ethylene Terephthalate) copolymer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 564-574.	3.4	7
54	Probing the Mechanism of CALB-Catalyzed aza-Michael Addition of Aniline Compounds with Acrylates Using Mutation and Molecular Docking Simulations. <i>ChemistrySelect</i> , 2019, 4, 3848-3854.	1.5	7

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55	Assembly properties of the bacterial tubulin homolog FtsZ from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2019, 294, 16309-16319.	3.4	7
56	Preparation of fluorophore-tagged polymeric drug delivery vehicles with multiple biological stimuli-triggered drug release. <i>Materials Science and Engineering C</i> , 2020, 108, 110358.	7.3	7
57	Hierarchical Targeted Delivery of Lonidamine and Camptothecin Based on the Ultra-Rapid pH/GSH Response Nanoparticles for Synergistic Chemotherapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 7382-7387.	4.6	7
58	Combining photo-redox and enzyme catalysis for the synthesis of 4H-pyrimido[2,1-b] benzothiazole derivatives in one pot. <i>Bioorganic Chemistry</i> , 2021, 107, 104534.	4.1	7
59	Novel cyclen-based linear polymer as a high-affinity binding material for DNA condensation. <i>Science in China Series B: Chemistry</i> , 2009, 52, 483-488.	0.8	6
60	Novel biocompatible fluorescent polymeric micelles based on 1,8-naphthalimide derivatives for cell imaging. <i>Polymer Chemistry</i> , 2015, 6, 364-368.	3.9	6
61	Preparation of chiral aryl alcohols: a controllable enzymatic strategy <i>via</i> light-driven NAD(P)H regeneration. <i>New Journal of Chemistry</i> , 2022, 46, 6274-6282.	2.8	6
62	MBD2 as a novel marker associated with poor survival of patients with hepatocellular carcinoma after hepatic resection. <i>Molecular Medicine Reports</i> , 2016, 14, 1617-1623.	2.4	5
63	How Do MinC-D Copolymers Act on Z-Ring Localization Regulation? A New Model of <i>Bacillus subtilis</i> Min System. <i>Frontiers in Microbiology</i> , 2022, 13, 841171.	3.5	5
64	Establishment and primary clinical application of competitive inhibition for measurement of augments of liver regeneration. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 93-96.	1.8	4
65	Lipase-Catalyzed Highly Efficient 1,6-Conjugated Addition for Synthesis of Triarylmethanes. <i>Catalysis Letters</i> , 2020, 150, 1268-1276.	2.6	4
66	A Novel Transvaginal Natural Orifice Transluminal Endoscopic Approach for Ectopic Pregnancy Surgery with Intra-abdominal Adhesion. <i>Journal of Minimally Invasive Gynecology</i> , 2020, 27, 1239-1240.	0.6	4
67	Glucose oxidase-loaded amorphous FeNi@Pt fan-shaped nanostructures and their electrochemical behaviors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 726-731.	5.0	3
68	Laparoendoscopic Single-site Radical Hysterectomy: Sufficient Exposure via Effective Suspension. <i>Journal of Minimally Invasive Gynecology</i> , 2020, 27, 809-810.	0.6	3
69	Factors affecting distribution of microbiotic crusts in the grain-for-green land of the loess region, northern Shaanxi, China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 165-170.	0.2	2
70	Asymmetric synthesis of 2,6-substituted dihydropyrone catalyzed by 3-monosubstituted and 3,3'-bisubstituted BINOL titanium complexes. <i>Chemical Papers</i> , 2008, 62, .	2.2	2
71	Synthesis and primary biological evaluation of ¹⁸⁸ ReN-NEMPTDD. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 277, 365-369.	1.5	1
72	Novel amphiphilic fluorine-containing nanocarriers for oxygen self-sufficiency & GSH depletion sequentially to enhance photodynamic therapy. <i>Materials Science and Engineering C</i> , 2021, 128, 112341.	7.3	1

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73	Slow-Time Code Design for Space-Time Adaptive Processing in Airborne Radar. <i>Entropy</i> , 2021, 23, 1169.	2.2	1
74	Variable horizon reentry guidance based on predictive control and pseudospectral method for hypersonic vehicle. , 2017, , .		1
75	An efficient and stable magnetic nano-biocatalyst for biodiesel synthesis in recyclable ionic liquids. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11947-11957.	4.6	1
76	Drivers of intraspecific differentiation of an alpine cold-tolerant herb, <i>Notopterygium oviforme</i> : roles of isolation by distance and ecological factors. <i>Journal of Systematics and Evolution</i> , 0, , .	3.1	1
77	Adsorption of oxygen atoms on the Mg ₃ Nd(001) surface. <i>Journal of Applied Physics</i> , 2008, 104, 033516.	2.5	0