

Chao Wang

List of Publications by Year in descending order

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64
papers

1,401
citations

279798

23
h-index

377865

34
g-index

66
all docs

66
docs citations

66
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolites isolated from the human intestinal fungus <i>Penicillium oxalicum</i> SL2 and their agonistic effects on PXR and FXR. <i>Phytochemistry</i> , 2022, 193, 112974.	2.9	4
2	Regioselective hydroxylation of carbendazim by mammalian cytochrome P450: A combined experimental and computational study. <i>Environmental Pollution</i> , 2022, 293, 118523.	7.5	6
3	Visual identification of gut bacteria and determination of natural inhibitors using a fluorescent probe selective for PGP-1. <i>Analytica Chimica Acta</i> , 2022, 1191, 339280.	5.4	6
4	Mitochondria targeting fluorescent probe for MAO-A and the application in the development of drug candidate for neuroinflammation. <i>Analytica Chimica Acta</i> , 2022, 1199, 339573.	5.4	16
5	Unprecedented diterpenoid dimers with soluble epoxide hydrolase inhibitory effect from <i>Euphorbia fischeriana</i> . <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2508-2517.	2.8	6
6	Octacyclic and decacyclic ent- <i>abietane</i> dimers with cytotoxic activity from <i>Euphorbia fischeriana</i> Steud.. <i>Chinese Chemical Letters</i> , 2022, 33, 4261-4263.	9.0	8
7	Real-time quantification for sulfite using a turn-on NIR fluorescent probe equipped with a portable fluorescence detector. <i>Chinese Chemical Letters</i> , 2022, 33, 4219-4222.	9.0	20
8	A strategy for the rapid discovery and validation of active diterpenoids as quality markers in different habitats of Langdu using ultrahigh-performance liquid chromatography-tandem mass spectrometry with multivariate statistical analysis. <i>Journal of Separation Science</i> , 2022, 45, 2118-2127.	2.5	4
9	Triterpenoids from the fruiting bodies of <i>Ganoderma lucidum</i> and their inhibitory activity against FAAH. <i>FÄ-toterapÄ-c</i> , 2022, 158, 105161.	2.2	8
10	Cytotoxic diterpenoid dimer containing an intricately caged core from <i>Euphorbia fischeriana</i> . <i>Bioorganic Chemistry</i> , 2022, 123, 105759.	4.1	8
11	Visual Sensing of Î²-Glucosidase From Intestinal Fungus in the Generation of Cytotoxic Icarisid II. <i>Frontiers in Chemistry</i> , 2022, 10, .	3.6	2
12	GlmU inhibitor from the roots of <i>Euphorbia ebracteolata</i> as an anti-tuberculosis agent. <i>RSC Advances</i> , 2022, 12, 18266-18273.	3.6	1
13	An enzyme-activated NIR fluorescent probe for detecting bacterial glutamyltranspeptidase (Î³-GT) and high-throughput screening of its inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129225.	7.8	10
14	Eupholides A ^H , abietane diterpenoids from the roots of <i>Euphorbia fischeriana</i> , and their bioactivities. <i>Phytochemistry</i> , 2021, 183, 112593.	2.9	13
15	Real-time identification of gut microbiota with aminopeptidase N using an activable NIR fluorescent probe. <i>Chinese Chemical Letters</i> , 2021, 32, 3053-3056.	9.0	31
16	Amentoflavone from <i>Selaginella tamariscina</i> as a potent inhibitor of gut bacterial Î²-glucuronidase: Inhibition kinetics and molecular dynamics stimulation. <i>Chemico-Biological Interactions</i> , 2021, 340, 109453.	4.0	13
17	Visual screening of PGP-1 inhibitors and identification of intestinal microbiota with active PGP-1 using a NIR fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129764.	7.8	7
18	Fluorescent probes for the detection and imaging of Cytochrome P450. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213740.	18.8	25

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19	Natural soluble epoxide hydrolase inhibitors from <i>Inula britannica</i> and their potential interactions with soluble epoxide hydrolase: Insight from inhibition kinetics and molecular dynamics. <i>Chemico-Biological Interactions</i> , 2021, 345, 109571.	4.0	14
20	Visual Analysis and Inhibitor Screening of Leucine Aminopeptidase, a Key Virulence Factor for Pathogenic Bacteria-Associated Infection. <i>ACS Sensors</i> , 2021, 6, 3604-3610.	7.8	13
21	2D Strategy for the Construction of an Enzyme-Activated NIR Fluorophore Suitable for the Visual Sensing and Profiling of Homologous Nitroreductases from Various Bacterial Species. <i>ACS Sensors</i> , 2021, 6, 3348-3356.	7.8	7
22	Inhibition of gut bacterial β -glucuronidase by chemical components from black tea: Inhibition interactions and molecular mechanism. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103457.	4.9	5
23	A NIR fluorescent probe for fatty acid amide hydrolase bioimaging and its application in development of inhibitors. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6460-6465.	5.8	7
24	Aromatic rosane diterpenoids from the roots of <i>Euphorbia ebracteolata</i> and their inhibitory effects against lipase. <i>Bioorganic Chemistry</i> , 2020, 94, 103360.	4.1	7
25	The study of inhibitory effect of natural flavonoids toward β -glucuronidase and interaction of flavonoids with β -glucuronidase. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 349-358.	7.5	35
26	Visualization of penicillin G acylase in bacteria and high-throughput screening of natural inhibitors using a ratiometric fluorescent probe. <i>Chemical Communications</i> , 2020, 56, 4640-4643.	4.1	14
27	Visualized characterization of bacterial penicillin G acylase for the hydrolysis of β -lactams using an activatable NIR fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127872.	7.8	11
28	Fluorescent probes for bioactive detection and imaging of phase II metabolic enzymes. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213026.	18.8	37
29	Biocatalytic oxidation of flavone analogues mediated by general biocatalysts: horseradish peroxidase and laccase. <i>RSC Advances</i> , 2019, 9, 13325-13331.	3.6	9
30	Highly potent non-steroidal FXR agonists protostane-type triterpenoids: Structure-activity relationship and mechanism. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111652.	5.5	23
31	Oxidative coupling of coumarins catalyzed by laccase. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1028-1033.	7.5	5
32	A far-red fluorescent probe for sensing laccase in fungi and its application in developing an effective biocatalyst for the biosynthesis of antituberculous dicoumarin. <i>Chemical Communications</i> , 2019, 55, 3951-3954.	4.1	13
33	Ratiometric fluorescent probe for sensing <i>Streptococcus mutans</i> glucosyltransferase, a key factor in the formation of dental caries. <i>Chemical Communications</i> , 2019, 55, 3548-3551.	4.1	24
34	Ebracpenes A and B, Unusual Ring C- <i>seco</i> and Ring D-aromatic Nor-Triterpenoids, from <i>Euphorbia ebracteolata</i> and Lipase Inhibitory Evaluation. <i>Journal of Organic Chemistry</i> , 2019, 84, 1624-1629.	3.2	7
35	A two-photon ratiometric fluorescent probe for imaging and quantitative analysis of botanic glucosyltransferase: A key enzyme for the biosynthesis of bioactive glycosides. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 112-121.	7.8	11
36	Molecular Design Strategy to Construct the Near-Infrared Fluorescent Probe for Selectively Sensing Human Cytochrome P450 2J2. <i>Journal of the American Chemical Society</i> , 2019, 141, 1126-1134.	13.7	141

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37	Activatable Near-Infrared Fluorescent Probe for Dipeptidyl Peptidase IV and Its Bioimaging Applications in Living Cells and Animals. <i>Analytical Chemistry</i> , 2018, 90, 3965-3973.	6.5	45
38	Diterpenoids from the roots of <i>Euphorbia ebracteolata</i> and their anti-tuberculosis effects. <i>Bioorganic Chemistry</i> , 2018, 77, 471-477.	4.1	24
39	Highly Specific near-Infrared Fluorescent Probe for the Real-Time Detection of β -Glucuronidase in Various Living Cells and Animals. <i>Analytical Chemistry</i> , 2018, 90, 3276-3283.	6.5	59
40	Diterpenoids from the roots of <i>Euphorbia ebracteolata</i> and their inhibitory effects on human carboxylesterase 2. <i>Phytochemistry</i> , 2018, 146, 82-90.	2.9	17
41	A highly selective ratiometric fluorescent probe for real-time imaging of β -glucuronidase in living cells and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 508-515.	7.8	29
42	Identification and Isolation of Glucosyltransferases (GT) Expressed Fungi Using a Two-Photon Ratiometric Fluorescent Probe Activated by GT. <i>Analytical Chemistry</i> , 2018, 90, 13341-13347.	6.5	24
43	Identification and bioactivity evaluation of ingredients from the fruits of <i>Amomum tsaoko</i> Crevost et Lemaire. <i>Phytochemistry Letters</i> , 2018, 28, 111-115.	1.2	26
44	A highly sensitive and selective two-photon fluorescent probe for real-time sensing of cytochrome P450 1A1 in living systems. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2013-2020.	5.9	38
45	A highly selective fluorescent probe for detecting glutathione transferases to reveal anticancer-activity sensitivity of cisplatin in cancer cells and tumor tissues. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 423-430.	7.8	10
46	Cytotoxic ent-Abietane-type diterpenoids from the roots of <i>Euphorbia ebracteolata</i> . <i>Bioorganic Chemistry</i> , 2018, 81, 93-97.	4.1	22
47	Isolation of β -Glutamyl-Transferase Rich-Bacteria from Mouse Gut by a Near-Infrared Fluorescent Probe with Large Stokes Shift. <i>Analytical Chemistry</i> , 2018, 90, 9921-9928.	6.5	44
48	Unusual ent-atisane type diterpenoids with 2-oxopropyl skeleton from the roots of <i>Euphorbia ebracteolata</i> and their antiviral activity against human rhinovirus 3 and enterovirus 71. <i>Bioorganic Chemistry</i> , 2018, 81, 234-240.	4.1	18
49	Highly Selective NIR Probe for Intestinal β -Glucuronidase and High-Throughput Screening Inhibitors to Therapy Intestinal Damage. <i>ACS Sensors</i> , 2018, 3, 1727-1734.	7.8	39
50	Catechol-O-Methyltransferase and UDP-Glucuronosyltransferases in the Metabolism of Baicalein in Different Species. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017, 42, 981-992.	1.6	24
51	ent-Abietane and Tiglane Diterpenoids from the Roots of <i>Euphorbia fischeriana</i> and Their Inhibitory Effects against <i>Mycobacterium smegmatis</i> . <i>Journal of Natural Products</i> , 2017, 80, 1248-1254.	3.0	58
52	Alismanin A, a Triterpenoid with a C ₃₄ Skeleton from <i>Alisma orientale</i> as a Natural Agonist of Human Pregnane X Receptor. <i>Organic Letters</i> , 2017, 19, 5645-5648.	4.6	34
53	Heterodimeric Diterpenoids Isolated from <i>Euphorbia ebracteolata</i> Roots and Their Inhibitory Effects on β -Glucosidase. <i>Journal of Natural Products</i> , 2017, 80, 3218-3223.	3.0	33
54	Highly regioselective glucosylation of alcoholic hydroxyls of protostane triterpenoids mediated by fungal biotransformation. <i>Catalysis Communications</i> , 2017, 89, 40-43.	3.3	8

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55	Metabolic Profile of 3-Acetyl-11-Keto- β -Boswellic Acid and 11-Keto- β -Boswellic Acid in Human Preparations In Vitro, Species Differences, and Bioactivity Variation. <i>AAPS Journal</i> , 2016, 18, 1273-1288.	4.4	16
56	Horseradish peroxidase (HRP): a tool for catalyzing the formation of novel bicoumarins. <i>Catalysis Science and Technology</i> , 2016, 6, 3585-3593.	4.1	23
57	Inhibitory Effects of Highly Oxygenated Lanostane Derivatives from the Fungus <i>Ganoderma lucidum</i> on P-Glycoprotein and β -Glucosidase. <i>Journal of Natural Products</i> , 2015, 78, 1868-1876.	3.0	51
58	Sulfation of melatonin: Enzymatic characterization, differences of organs, species and genders, and bioactivity variation. <i>Biochemical Pharmacology</i> , 2015, 94, 282-296.	4.4	33
59	Protostane Triterpenoids from the Rhizome of <i>Alisma orientale</i> Exhibit Inhibitory Effects on Human Carboxylesterase 2. <i>Journal of Natural Products</i> , 2015, 78, 2372-2380.	3.0	68
60	Anti-inflammatory Sesquiterpene Derivatives from the Leaves of <i>Tripterygium wilfordii</i> . <i>Journal of Natural Products</i> , 2013, 76, 85-90.	3.0	46
61	A new class of anti-thrombosis hexahydropyrazino-[1,2,2',6']pyrido-[3,4-b]-indole-1,4-dions: Design, synthesis, logK determination, and QSAR analysis. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5672-5693.	3.0	29
62	A Strategy for Rapid Discovery and Validation of Active Diterpenoids as Quality Markers in Different Habitats of Langdu Using UPLC-MS/MS with Multivariate Statistical Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
63	A highly selective fluorescent probe for real-time imaging of UDP-glucuronosyltransferase 1A8 in living cells and tissues. <i>Frontiers of Chemical Science and Engineering</i> , 0, , 1.	4.4	5
64	Nor-triterpenoids from the fruiting bodies of <i>Ganoderma lucidum</i> and their inhibitory activity against FAAH. <i>Natural Product Research</i> , 0, , 1-7.	1.8	1