Chao Wang

List of Publications by Year
in descending order

64	1,401	279798 23	377865 34
papers	citations	h-index	g-index

66	66	66	1312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Design Strategy to Construct the Near-Infrared Fluorescent Probe for Selectively Sensing Human Cytochrome P450 2J2. Journal of the American Chemical Society, 2019, 141, 1126-1134.	13.7	141
2	Protostane Triterpenoids from the Rhizome of Alisma orientale Exhibit Inhibitory Effects on Human Carboxylesterase 2. Journal of Natural Products, 2015, 78, 2372-2380.	3.0	68
3	Highly Specific near-Infrared Fluorescent Probe for the Real-Time Detection of Î²-Glucuronidase in Various Living Cells and Animals. Analytical Chemistry, 2018, 90, 3276-3283.	6.5	59
4	ent-Abietane and Tigliane Diterpenoids from the Roots of Euphorbia fischeriana and Their Inhibitory Effects against Mycobacterium smegmatis. Journal of Natural Products, 2017, 80, 1248-1254.	3.0	58
5	Inhibitory Effects of Highly Oxygenated Lanostane Derivatives from the Fungus Ganoderma lucidum on P-Glycoprotein and Î±-Glucosidase. Journal of Natural Products, 2015, 78, 1868-1876.	3.0	51
6	Anti-inflammatory Sesquiterpene Derivatives from the Leaves of Tripterygium wilfordii. Journal of Natural Products, 2013, 76, 85-90.	3.0	46
7	Activatable Near-Infrared Fluorescent Probe for Dipeptidyl Peptidase IV and Its Bioimaging Applications in Living Cells and Animals. Analytical Chemistry, 2018, 90, 3965-3973.	6.5	45
8	Isolation of Î³-Glutamyl-Transferase Rich-Bacteria from Mouse Gut by a Near-Infrared Fluorescent Probe with Large Stokes Shift. Analytical Chemistry, 2018, 90, 9921-9928.	6.5	44
9	Highly Selective NIR Probe for Intestinal Î²-Glucuronidase and High-Throughput Screening Inhibitors to Therapy Intestinal Damage. ACS Sensors, 2018, 3, 1727-1734.	7.8	39
10	A highly sensitive and selective two-photon fluorescent probe for real-time sensing of cytochrome P450 1A1 in living systems. Materials Chemistry Frontiers, 2018, 2, 2013-2020.	5.9	38
11	Fluorescent probes for bioactive detection and imaging of phase II metabolic enzymes. Coordination Chemistry Reviews, 2019, 399, 213026.	18.8	37
12	The study of inhibitory effect of natural flavonoids toward Î²-glucuronidase and interaction of flavonoids with Î²-glucuronidase. International Journal of Biological Macromolecules, 2020, 143, 349-358.	7.5	35
13	Alismanin A, a Triterpenoid with a C₃₄ Skeleton from Alisma orientale as a Natural Agonist of Human Pregnane X Receptor. Organic Letters, 2017, 19, 5645-5648.	4.6	34
14	Sulfation of melatonin: Enzymatic characterization, differences of organs, species and genders, and bioactivity variation. Biochemical Pharmacology, 2015, 94, 282-296.	4.4	33
15	Heterodimeric Diterpenoids Isolated from Euphorbia ebracteolata Roots and Their Inhibitory Effects on Î±-Glucosidase. Journal of Natural Products, 2017, 80, 3218-3223.	3.0	33
16	Real-time identification of gut microbiota with aminopeptidase N using an activable NIR fluorescent probe. Chinese Chemical Letters, 2021, 32, 3053-3056.	9.0	31
17	A new class of anti-thrombosis hexahydropyrazino-[1â€²,2â€²:1,6]pyrido-[3,4-b]-indole-1,4-dions: Design, synthesis, logK determination, and QSAR analysis. Bioorganic and Medicinal Chemistry, 2007, 15, 5672-5693.	3.0	29
18	A highly selective ratiometric fluorescent probe for real-time imaging of Î²-glucuronidase in living cells and zebrafish. Sensors and Actuators B: Chemical, 2018, 262, 508-515.	7.8	29

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19	Identification and bioactivity evaluation of ingredients from the fruits of Amomum tsaoko Crevost et Lemaire. Phytochemistry Letters, 2018, 28, 111-115.	1.2	26
20	Fluorescent probes for the detection and imaging of Cytochrome P450. Coordination Chemistry Reviews, 2021, 437, 213740.	18.8	25
21	Catechol-O-Methyltransferase and UDP-Glucuronosyltransferases in the Metabolism of Baicalein in Different Species. European Journal of Drug Metabolism and Pharmacokinetics, 2017, 42, 981-992.	1.6	24
22	Diterpenoids from the roots of Euphorbia ebracteolata and their anti-tuberculosis effects. Bioorganic Chemistry, 2018, 77, 471-477.	4.1	24
23	Identification and Isolation of Glucosytransferases (GT) Expressed Fungi Using a Two-Photon Ratiometric Fluorescent Probe Activated by GT. Analytical Chemistry, 2018, 90, 13341-13347.	6.5	24
24	Ratiometric fluorescent probe for sensing Streptococcus mutans glucosyltransferase, a key factor in the formation of dental caries. Chemical Communications, 2019, 55, 3548-3551.	4.1	24
25	Horseradish peroxidase (HRP): a tool for catalyzing the formation of novel bicoumarins. Catalysis Science and Technology, 2016, 6, 3585-3593.	4.1	23
26	Highly potent non-steroidal FXR agonists protostane-type triterpenoids: Structure-activity relationship and mechanism. European Journal of Medicinal Chemistry, 2019, 182, 111652.	5.5	23
27	Cytotoxic ent-Abietane-type diterpenoids from the roots of Euphorbia ebracteolata. Bioorganic Chemistry, 2018, 81, 93-97.	4.1	22
28	Real-time quantification for sulfite using a turn-on NIR fluorescent probe equipped with a portable fluorescence detector. Chinese Chemical Letters, 2022, 33, 4219-4222.	9.0	20
29	Unusual ent-atisane type diterpenoids with 2-oxopropyl skeleton from the roots of Euphorbia ebracteolata and their antiviral activity against human rhinovirus 3 and enterovirus 71. Bioorganic Chemistry, 2018, 81, 234-240.	4.1	18
30	Diterpenoids from the roots of Euphorbia ebracteolata and their inhibitory effects on human carboxylesterase 2. Phytochemistry, 2018, 146, 82-90.	2.9	17
31	Metabolic Profile of 3-Acetyl-11-Keto-Î²-Boswellic Acid and 11-Keto-Î²-Boswellic Acid in Human Preparations In Vitro, Species Differences, and Bioactivity Variation. AAPS Journal, 2016, 18, 1273-1288.	4.4	16
32	Mitochondria targeting fluorescent probe for MAO-A and the application in the development of drug candidate for neuroinflammation. Analytica Chimica Acta, 2022, 1199, 339573.	5.4	16
33	Visualization of penicillin G acylase in bacteria and high-throughput screening of natural inhibitors using a ratiometric fluorescent probe. Chemical Communications, 2020, 56, 4640-4643.	4.1	14
34	Natural soluble epoxide hydrolase inhibitors from Inula britanica and their potential interactions with soluble epoxide hydrolase: Insight from inhibition kinetics and molecular dynamics. Chemico-Biological Interactions, 2021, 345, 109571.	4.0	14
35	A far-red fluorescent probe for sensing laccase in fungi and its application in developing an effective biocatalyst for the biosynthesis of antituberculous dicoumarin. Chemical Communications, 2019, 55, 3951-3954.	4.1	13
36	Eupholides Aâˆ’H, abietane diterpenoids from the roots of Euphorbia fischeriana, and their bioactivities. Phytochemistry, 2021, 183, 112593.	2.9	13

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37	Amentoflavone from Selaginella tamariscina as a potent inhibitor of gut bacterial Î²-glucuronidase: Inhibition kinetics and molecular dynamics stimulation. Chemico-Biological Interactions, 2021, 340, 109453.	4.0	13
38	Visual Analysis and Inhibitor Screening of Leucine Aminopeptidase, a Key Virulence Factor for Pathogenic Bacteria-Associated Infection. ACS Sensors, 2021, 6, 3604-3610.	7.8	13
39	A two-photon ratiometric fluorescent probe for imaging and quantitative analysis of botanic glucosyltransferase: A key enzyme for the biosynthesis of bioactive glycosides. Sensors and Actuators B: Chemical, 2019, 282, 112-121.	7.8	11
40	Visualized characterization of bacterial penicillin G acylase for the hydrolysis of Î²-lactams using an activatable NIR fluorescent probe. Sensors and Actuators B: Chemical, 2020, 310, 127872.	7.8	11
41	A highly selective fluorescent probe for detecting glutathione transferases to reveal anticancer-activity sensitivity of cisplatin in cancer cells and tumor tissues. Sensors and Actuators B: Chemical, 2018, 277, 423-430.	7.8	10
42	An enzyme-activated NIR fluorescent probe for detecting bacterial glutamyltranspeptidase (Î³-GT) and high-throughput screening of its inhibitors. Sensors and Actuators B: Chemical, 2021, 329, 129225.	7.8	10
43	Biocatalytic oxidation of flavone analogues mediated by general biocatalysts: horseradish peroxidase and laccase. RSC Advances, 2019, 9, 13325-13331.	3.6	9
44	Highly regioselective glucosylation of alcoholic hydroxyls of protostane triterpenoids mediated by fungal biotransformation. Catalysis Communications, 2017, 89, 40-43.	3.3	8
45	Octacyclic and decacyclic entâ€˜abietane dimers with cytotoxic activity from Euphorbia fischeriana steud.. Chinese Chemical Letters, 2022, 33, 4261-4263.	9.0	8
46	Triterpenoids from the fruiting bodies of Ganoderma lucidum and their inhibitory activity against FAAH. FÃ¬toterapÃ¬Ã¢, 2022, 158, 105161.	2.2	8
47	Cytotoxic diterpenoid dimer containing an intricately caged core from Euphorbia fischeriana. Bioorganic Chemistry, 2022, 123, 105759.	4.1	8
48	Ebracpenes A and B, Unusual Ring C-seco and Ring D-aromatic Nor-Triterpenoids, from Euphorbia ebracteolata and Lipase Inhibitory Evaluation. Journal of Organic Chemistry, 2019, 84, 1624-1629.	3.2	7
49	Aromatic rosane diterpenoids from the roots of Euphorbia ebracteolata and their inhibitory effects against lipase. Bioorganic Chemistry, 2020, 94, 103360.	4.1	7
50	Visual screening of PGP-1 inhibitors and identification of intestinal microbiota with active PGP-1 using a NIR fluorescent probe. Sensors and Actuators B: Chemical, 2021, 337, 129764.	7.8	7
51	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. ACS Sensors, 2021, 6, 3348-3356.	7.8	7
52	A NIR fluorescent probe for fatty acid amide hydrolase bioimaging and its application in development of inhibitors. Journal of Materials Chemistry B, 2021, 9, 6460-6465.	5.8	7
53	Regioselective hydroxylation of carbendazim by mammalian cytochrome P450: A combined experimental and computational study. Environmental Pollution, 2022, 293, 118523.	7.5	6
54	Visual identification of gut bacteria and determination of natural inhibitors using a fluorescent probe selective for PGP-1. Analytica Chimica Acta, 2022, 1191, 339280.	5.4	6

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55	Unprecedented diterpenoid dimers with soluble epoxide hydrolase inhibitory effect from Euphorbia fischeriana. Organic and Biomolecular Chemistry, 2022, 20, 2508-2517.	2.8	6
56	Oxidative coupling of coumarins catalyzed by laccase. International Journal of Biological Macromolecules, 2019, 135, 1028-1033.	7.5	5
57	A highly selective fluorescent probe for real-time imaging of UDP-glucuronosyltransferase 1A8 in living cells and tissues. Frontiers of Chemical Science and Engineering, 0, , 1.	4.4	5
58	Inhibition of gut bacterial Î²-glucuronidase by chemical components from black tea: Inhibition interactions and molecular mechanism. Arabian Journal of Chemistry, 2021, 14, 103457.	4.9	5
59	Metabolites isolated from the human intestinal fungus Penicillium oxalicum SL2 and their agonistic effects on PXR and FXR. Phytochemistry, 2022, 193, 112974.	2.9	4
60	A strategy for the rapid discovery and validation of active diterpenoids as quality markers in different habitats of Langdu using ultrahighâ€performance liquid chromatographyâ€“tandem mass spectrometry with multivariate statistical analysis. Journal of Separation Science, 2022, 45, 2118-2127.	2.5	4
61	Visual Sensing of Î²-Glucosidase From Intestinal Fungus in the Generation of Cytotoxic Icarisid II. Frontiers in Chemistry, 2022, 10, .	3.6	2
62	Nor-triterpenoids from the fruiting bodies of Ganoderma lucidum and their inhibitory activity against FAAH. Natural Product Research, 0, , 1-7.	1.8	1
63	GlmU inhibitor from the roots of Euphorbia ebracteolata as an anti-tuberculosis agent. RSC Advances, 2022, 12, 18266-18273.	3.6	1
64	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. SSRN Electronic Journal, 0, , .	0.4	0