

Xiang-Ge Tian

List of Publications by Year in descending order

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100
papers

2,168
citations

236925

25
h-index

315739

38
g-index

108
all docs

108
docs citations

108
times ranked

2096
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Human transporters, <sc>PEPT</sc> 1/2, facilitate melatonin transportation into mitochondria of cancer cells: An implication of the therapeutic potential. <i>Journal of Pineal Research</i> , 2017, 62, e12390.	7.4	107
3	Endoplasmic Reticulum Targeting Ratiometric Fluorescent Probe for Carboxylesterase 2 Detection in Drug-Induced Acute Liver Injury. <i>Analytical Chemistry</i> , 2019, 91, 15840-15845.	6.5	66
4	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
5	<i>ent</i> -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
6	Alantolactone, a natural sesquiterpene lactone, has potent antitumor activity against glioblastoma by targeting IKK β kinase activity and interrupting NF- κ B/COX-2-mediated signaling cascades. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 93.	8.6	51
7	Rational Design of a Long-Wavelength Fluorescent Probe for Highly Selective Sensing of Carboxylesterase 1 in Living Systems. <i>Analytical Chemistry</i> , 2019, 91, 5638-5645.	6.5	49
8	Drug interaction study of flavonoids toward CYP3A4 and their quantitative structure activity relationship (QSAR) analysis for predicting potential effects. <i>Toxicology Letters</i> , 2018, 294, 27-36.	0.8	47
9	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
10	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
11	<i>Uncaria rhynchophylla</i> Ameliorates Parkinson's Disease by Inhibiting HSP90 Expression: Insights from Quantitative Proteomics. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1453-1464.	1.6	40
12	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
13	Mitochondrial cytochrome P450 (CYP) 1B1 is responsible for melatonin-induced apoptosis in neural cancer cells. <i>Journal of Pineal Research</i> , 2018, 65, e12478.	7.4	38
14	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
15	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
16	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
17	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
18	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

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19	Uncarialins A–I, Monoterpenoid Indole Alkaloids from <i>Uncaria rhynchophylla</i> as Natural Agonists of the 5-HT _{1A} Receptor. <i>Journal of Natural Products</i> , 2019, 82, 3302-3310.	3.0	33
20	A Molecular Splicing Strategy for Constructing a Near-Infrared Fluorescent Probe for UDP-Glucuronosyltransferase 1A1. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24566-24572.	13.8	33
21	<i>Alisma orientale</i> extract exerts the reversing cholestasis effect by activation of farnesoid X receptor. <i>Phytomedicine</i> , 2018, 42, 34-42.	5.3	32
22	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
23	Stability of resveratrol esters with caprylic acid during simulated in vitro gastrointestinal digestion. <i>Food Chemistry</i> , 2019, 276, 675-679.	8.2	30
24	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
25	Phytochemical constituents from <i>Uncaria rhynchophylla</i> in human carboxylesterase 2 inhibition: Kinetics and interaction mechanism merged with docking simulations. <i>Phytomedicine</i> , 2018, 51, 120-127.	5.3	27
26	Sesquiterpenes and triterpenoids from the rhizomes of <i>Alisma orientalis</i> and their pancreatic lipase inhibitory activities. <i>Phytochemistry Letters</i> , 2017, 19, 83-88.	1.2	25
27	Gambogic acid attenuates liver fibrosis by inhibiting the PI3K/AKT and MAPK signaling pathways via inhibiting HSP90. <i>Toxicology and Applied Pharmacology</i> , 2019, 371, 63-73.	2.8	25
28	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
29	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
30	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
31	A natural inhibitor from <i>Alisma orientale</i> against human carboxylesterase 2: Kinetics, circular dichroism spectroscopic analysis, and docking simulation. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 184-189.	7.5	24
32	A NIR fluorescent probe for Vanin-1 and its applications in imaging, kidney injury diagnosis, and the development of inhibitor. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 316-325.	12.0	24
33	Quantitative proteomics reveals molecular mechanism of gambufotalin and its potential inhibition on Hsp90 in lung cancer. <i>Oncotarget</i> , 2016, 7, 76551-76564.	1.8	24
34	Regioselective Glucuronidation of Andrographolide and Its Major Derivatives: Metabolite Identification, Isozyme Contribution, and Species Differences. <i>AAPS Journal</i> , 2015, 17, 156-166.	4.4	23
35	Santamarine Inhibits NF- κ B and STAT3 Activation and Induces Apoptosis in HepG2 Liver Cancer Cells via Oxidative Stress. <i>Journal of Cancer</i> , 2017, 8, 3707-3717.	2.5	23
36	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

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37	Novel protostane-type triterpenoids with inhibitory human carboxylesterase 2 activities. RSC Advances, 2017, 7, 28702-28710.	3.6	22
38	Solâ€gel technique for the preparation of β -cyclodextrin gold nanoparticles as chiral stationary phase in openâ€tubular capillary electrochromatography. Journal of Separation Science, 2019, 42, 1948-1954.	2.5	22
39	Two new protostane-type triterpenoids from <i>Alisma orientalis</i> . Natural Product Research, 2018, 32, 189-194.	1.8	21
40	The genus <i>Uncaria</i> : A review on phytochemical metabolites and biological aspects. FÃ-toterapÃ-t, 2020, 147, 104772.	2.2	21
41	A highly selective near infrared fluorescent probe for carboxylesterase 2 and its biological applications. Journal of Materials Chemistry B, 2021, 9, 2457-2461.	5.8	21
42	Hydrolysis and Transport Characteristics of Tyrosol Acyl Esters in Rat Intestine. Journal of Agricultural and Food Chemistry, 2018, 66, 12521-12526.	5.2	20
43	Alismanoid A, an unprecedented 1,2-seco bisabolene from <i>Alisma orientale</i> , and its protective activity against H ₂ O ₂ -induced damage in SH-SY5Y cells. New Journal of Chemistry, 2017, 41, 12664-12670.	2.8	19
44	Rational Design of a Twoâ€Photon Fluorescent Probe for Human Cytochromeâ€P450 3A and the Visualization of Mechanismâ€Based Inactivation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
45	Characterization of a small-molecule inhibitor targeting NEMO/IKK β to suppress colorectal cancer growth. Signal Transduction and Targeted Therapy, 2022, 7, 71.	17.1	19
46	Correlation analysis between the chemical contents and bioactivity for the quality control of <i>Alismatis Rhizoma</i> . Acta Pharmaceutica Sinica B, 2018, 8, 242-251.	12.0	18
47	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. Bioorganic Chemistry, 2018, 81, 234-240.	4.1	18
48	Medicinal <i>Inula</i> Species: Phytochemistry, Biosynthesis, and Bioactivities. The American Journal of Chinese Medicine, 2021, 49, 315-358.	3.8	18
49	Inhibition of melatonin metabolism in humans induced by chemical components from herbs and effective prediction of this risk using a computational model. British Journal of Pharmacology, 2016, 173, 3261-3275.	5.4	17
50	Diterpenoids from the roots of <i>Euphorbia ebracteolata</i> and their inhibitory effects on human carboxylesterase 2. Phytochemistry, 2018, 146, 82-90.	2.9	17
51	Diterpenoids from the roots of <i>Euphorbia fischeriana</i> and their inhibitory effects on α -glucosidase. Journal of Asian Natural Products Research, 2018, 20, 977-984.	1.4	17
52	Cultivated human intestinal fungus <i>Candida metapsilosis</i> M2006B attenuates colitis by secreting acyclic sesquiterpenoids as FXR agonists. Gut, 2022, 71, 2205-2217.	12.1	17
53	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. AAPS Journal, 2016, 18, 1273-1288.	4.4	16
54	Drug interaction study of natural steroids from herbs specifically toward human UDP-glucuronosyltransferase (UGT) 1A4 and their quantitative structure activity relationship (QSAR) analysis for prediction. Pharmacological Research, 2016, 110, 139-150.	7.1	15

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55	The natural anthraquinones from <i>Rheum palmatum</i> induced the metabolic disorder of melatonin by inhibiting human CYP and SULT enzymes. <i>Toxicology Letters</i> , 2016, 262, 27-38.	0.8	15
56	Phenolic acids from <i>Balanophora involucreta</i> and their bioactivities. <i>FÄ-toterapÄ-Äç</i> , 2017, 121, 129-135.	2.2	15
57	Microbial transformation of diosgenin by <i>Cunninghamella blakesleana</i> AS 3.970 and potential inhibitory effects on P-glycoprotein of its metabolites. <i>RSC Advances</i> , 2015, 5, 78081-78089.	3.6	14
58	Chemical constituents from <i>Alisma plantago-aquatica</i> subsp. <i>orientale</i> (Sam.) Sam and their anti-inflammatory and antioxidant activities. <i>Natural Product Research</i> , 2018, 32, 2749-2755.	1.8	14
59	<i>trans</i> - \hat{I} -Viniferin inhibits Ca ²⁺ -activated Cl ⁻ channels and improves diarrhea symptoms. <i>FÄ-toterapÄ-Äç</i> , 2019, 139, 104367.	2.2	14
60	Natural soluble epoxide hydrolase inhibitors from <i>Alisma orientale</i> and their potential mechanism with soluble epoxide hydrolase. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 811-817.	7.5	14
61	Dehydrocostus lactone, a natural sesquiterpene lactone, suppresses the biological characteristics of glioma, through inhibition of the NF- \hat{I} B/COX-2 signaling pathway by targeting IKK \hat{I} ² . <i>American Journal of Cancer Research</i> , 2017, 7, 1270-1284.	1.4	14
62	Demethylbellidifolin isolated from <i>Swertia bimaculate</i> against human carboxylesterase 2: Kinetics and interaction mechanism merged with docking simulations. <i>Bioorganic Chemistry</i> , 2019, 90, 103101.	4.1	13
63	<i>Alisma</i> genus: Phytochemical constituents, biosynthesis, and biological activities. <i>Phytotherapy Research</i> , 2021, 35, 1872-1886.	5.8	13
64	Amentoflavone from <i>Selaginella tamariscina</i> as a potent inhibitor of gut bacterial \hat{I} ² -glucuronidase: Inhibition kinetics and molecular dynamics stimulation. <i>Chemico-Biological Interactions</i> , 2021, 340, 109453.	4.0	13
65	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
66	Endoplasmic Reticulum-Targeting Near-Infrared Fluorescent Probe for CYP2J2 Activity and Its Imaging Application in Endoplasmic Reticulum Stress and Tumor. <i>Analytical Chemistry</i> , 2022, 94, 9572-9577.	6.5	13
67	In vitro phase I metabolism of gamabufotalin and arenobufagin: Reveal the effect of substituent group on metabolic stability. <i>FÄ-toterapÄ-Äç</i> , 2017, 121, 38-45.	2.2	12
68	A highly sensitive and selective two-photon fluorescent probe for glutathione S-transferase detection and imaging in living cells and tissues. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4983-4989.	5.8	12
69	Visual High-Throughput Screening for Developing a Fatty Acid Amide Hydrolase Natural Inhibitor Based on an Enzyme-Activated Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 9493-9500.	6.5	12
70	Bisfischoids A and B, dimeric ent-abietane-type diterpenoids with anti-inflammatory potential from <i>Euphorbia fischeriana</i> Steud.. <i>Bioorganic Chemistry</i> , 2021, 116, 105356.	4.1	12
71	Organic anion transporter 3 (OAT3)-mediated transport of dicaffeoylquinic acids and prediction of potential drug-drug interaction. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 95-103.	4.0	11
72	Chemical characteristics of the fungus <i>Ganoderma lucidum</i> and their inhibitory effects on acetylcholinesterase. <i>Journal of Asian Natural Products Research</i> , 2018, 20, 992-1001.	1.4	10

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73	The inhibition effect of uncarialin A on voltage-dependent L-type calcium channel subunit alpha-1C: Inhibition potential and molecular stimulation. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 1022-1030.	7.5	10
74	Phenylpropanoid amides from <i>Alisma orientalis</i> and their protective effects against H ₂ O ₂ -induced damage in SH-SY5Y cells. <i>Phytochemistry Letters</i> , 2017, 21, 46-50.	1.2	9
75	Arenobufagin is a novel isoform-specific probe for sensing human sulfotransferase 2A1. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 784-794.	12.0	9
76	Investigation of the inhibitory effect of protostanes on human carboxylesterase 2 and their interaction: Inhibition kinetics and molecular stimulations. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1262-1272.	7.5	9
77	Unique Oxidative Metabolism of Bufalin Generates Two Reactive Metabolites That Strongly Inactivate Human Cytochrome P450 3A. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4018-4029.	6.4	9
78	Rational design of a fluorescent probe for the detection of LAP and its application in drug-induced liver injury. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119362.	3.9	8
79	Triterpenoids from the fruiting bodies of <i>Ganoderma lucidum</i> and their inhibitory activity against FAAH. <i>FÄ-toterapÄ-Äç</i> , 2022, 158, 105161.	2.2	8
80	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
81	The development of novel cytochrome P450 2J2 (CYP2J2) inhibitor and the underlying interaction between inhibitor and CYP2J2. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 737-748.	5.2	7
82	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
83	Characterization of regio- and stereo-selective sulfation of bufadienolides: exploring the mechanism and providing insight into the structure-sulfation relationship by experimentation and molecular docking analysis. <i>RSC Advances</i> , 2016, 6, 5774-5783.	3.6	6
84	A bioactive new protostane-type triterpenoid from <i>Alisma plantago-aquatica</i> subsp. <i>orientale</i> (Sam.) Sam.. <i>Natural Product Research</i> , 2019, 33, 776-781.	1.8	6
85	Regioselective hydroxylation of carbendazim by mammalian cytochrome P450: A combined experimental and computational study. <i>Environmental Pollution</i> , 2022, 293, 118523.	7.5	6
86	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
87	Potent Inhibition of Human Cytochrome P450 3A4 by Biflavone Components from <i>Ginkgo Biloba</i> and <i>Selaginella Tamariscina</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 856784.	3.5	6
88	A highly selective fluorescent probe for real-time imaging of bacterial NAT2 and high-throughput screening of natural inhibitors for tuberculosis therapy. <i>Materials Chemistry Frontiers</i> , 2019, 3, 145-150.	5.9	5
89	Oxidative coupling of coumarins catalyzed by laccase. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1028-1033.	7.5	5
90	Glucuronidase-mediated drug interaction of scutellarin in Dengzhan Xixin Injection: A formulation aspect. <i>Drug Development Research</i> , 2020, 81, 609-619.	2.9	5

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91	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
92	Cultivation and Genomic Characterization of the Bile Bacterial Species From Cholecystitis Patients. <i>Frontiers in Microbiology</i> , 2021, 12, 739621.	3.5	5
93	Highly selective and sensitive visualization and identification of glycoproteins using multi-functionalized soluble dendrimer. <i>Analytica Chimica Acta</i> , 2017, 988, 58-65.	5.4	4
94	A highly selective probe for UDP-glucuronosyltransferase 2B7 (UGT2B7) in human microsomes: isoform specificity, kinetic characterization, and applications. <i>RSC Advances</i> , 2015, 5, 5924-5927.	3.6	3
95	A dual functional probe for assessing human CYP450 3A5 and 3A enzymes bioactivities. <i>Future Medicinal Chemistry</i> , 2019, 11, 2891-2903.	2.3	3
96	Molecularâ€¦splicing strategy to construct a nearâ€¦infrared fluorescent probe for UDPâ€¦glucuronosyltransferase1A1. <i>Angewandte Chemie</i> , 0, , .	2.0	3
97	Biotransformation of furanocoumarins by fungi: preparation of imperation analogs. <i>Journal of Asian Natural Products Research</i> , 2018, 20, 697-707.	1.4	2
98	Unusual terpenoids from the fruits of <i>Evodia rutaecarpa</i> and their activation on the farnesoid X receptor. <i>Bioorganic Chemistry</i> , 2020, 104, 104325.	4.1	1
99	Rational Design of a Twoâ€¦Photon Fluorescent Probe for Human Cytochrome P450 3A and the Visualization of Mechanismâ€¦Based Inactivation. <i>Angewandte Chemie</i> , 2022, 134, e202113191.	2.0	1
100	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