Yun-Gen Xu

List of Publications by Year
in descending order

106 papers	2,068 citations	218677 26 h-index	302126 39 g-index
111 all docs	111 docs citations	111 times ranked	2611 citing authors

#	Article	IF	Citations
1	Oxalate-curcuminâ€“based probe for micro- and macroimaging of reactive oxygen species in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12384-12389.	7.1	102
2	VEGFR-2 inhibitors and the therapeutic applications thereof: a patent review (2012-2016). Expert Opinion on Therapeutic Patents, 2017, 27, 987-1004.	5.0	90
3	Efficient Palladium-Catalyzed Câ€“H Fluorination of C(sp3)â€“H Bonds: Synthesis of Î²-Fluorinated Carboxylic Acids. Organic Letters, 2015, 17, 3798-3801.	4.6	75
4	Metal-Free Remote Câ€“H Bond Amidation of 8-Amidoquinolines on the C5 Position under Mild Conditions. Organic Letters, 2016, 18, 4478-4481.	4.6	64
5	Design, synthesis and biological evaluation of N-phenylquinazolin-4-amine hybrids as dual inhibitors of VEGFR-2 and HDAC. European Journal of Medicinal Chemistry, 2016, 109, 1-12.	5.5	60
6	Design and discovery of 4-anilinoquinazoline-urea derivatives as dual TK inhibitors of EGFR and VEGFR-2. European Journal of Medicinal Chemistry, 2017, 125, 245-254.	5.5	60
7	Imaging hydrogen peroxide in Alzheimerâ€™s disease via cascade signal amplification. Scientific Reports, 2016, 6, 35613.	3.3	58
8	Fluorescent Coumarinâ€“Artemisinin Conjugates as Mitochondriaâ€Targeting Theranostic Probes for Enhanced Anticancer Activities. Chemistry - A European Journal, 2015, 21, 17415-17421.	3.3	53
9	Design and discovery of 4-anilinoquinazoline-acylamino derivatives as EGFR and VEGFR-2 dual TK inhibitors. European Journal of Medicinal Chemistry, 2016, 109, 371-379.	5.5	53
10	Development of Near-Infrared Fluorescent Probes for Use in Alzheimerâ€™s Disease Diagnosis. Bioconjugate Chemistry, 2020, 31, 2-15.	3.6	53
11	Platinum-Based Combination Therapy: Molecular Rationale, Current Clinical Uses, and Future Perspectives. Journal of Medicinal Chemistry, 2020, 63, 13397-13412.	6.4	52
12	Discovery of quinazolin-4-amines bearing benzimidazole fragments as dual inhibitors of c-Met and VEGFR-2. Bioorganic and Medicinal Chemistry, 2014, 22, 4735-4744.	3.0	51
13	Targeting VEGFâ€“neuropilin interactions: a promising antitumor strategy. Drug Discovery Today, 2019, 24, 656-664.	6.4	43
14	Rational Design for Nitroreductase (NTR)-Responsive Proteolysis Targeting Chimeras (PROTACs) Selectively Targeting Tumor Tissues. Journal of Medicinal Chemistry, 2022, 65, 5057-5071.	6.4	42
15	Discovery of Novel Dual Poly(ADP-ribose)polymerase and Phosphoinositide 3-Kinase Inhibitors as a Promising Strategy for Cancer Therapy. Journal of Medicinal Chemistry, 2020, 63, 122-139.	6.4	41
16	Discovery of N-(2-phenyl-1H-benzo[d]imidazol-5-yl)quinolin-4-amine derivatives as novel VEGFR-2 kinase inhibitors. European Journal of Medicinal Chemistry, 2014, 84, 698-707.	5.5	38
17	Silver-catalyzed intramolecular hydroamination of alkynes in aqueous media: efficient and regioselective synthesis for fused benzimidazoles. Green Chemistry, 2011, 13, 397-405.	9.0	36
18	Highly specific detection of Aî² oligomers in early Alzheimer's disease by a near-infrared fluorescent probe with a â€œV-shapedâ€•spatial conformation. Chemical Communications, 2020, 56, 583-586.	4.1	34

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19	PARP14 inhibits microglial activation via LPAR5 to promote post-stroke functional recovery. Autophagy, 2021, 17, 2905-2922.	9.1	34
20	Synthesis and pharmacological evaluation of novel limonin derivatives as anti-inflammatory and analgesic agents with high water solubility. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1851-1855.	2.2	33
21	Copper(<scp>i</scp>) and N-fluorobenzenesulfonimide-mediated direct regioselective halogenation of 8-amidoquinolines on the C5 position. Organic Chemistry Frontiers, 2017, 4, 1046-1050.	4.5	32
22	Near-infrared Fluorescence Ocular Imaging (NIRFOI) of Alzheimerâ€™s Disease. Molecular Imaging and Biology, 2019, 21, 35-43.	2.6	31
23	A new lysosome-targetable fluorescent probe with a large Stokes shift for detection of endogenous hydrogen polysulfides in living cells. Analytica Chimica Acta, 2019, 1056, 117-124.	5.4	31
24	Synthesis of 6â€Substituted Phenanthridine Derivatives by Palladiumâ€Catalysed Domino Suzukiâ€“Miyaura/Azaâ€Michael Reactions. European Journal of Organic Chemistry, 2014, 2014, 7443-7450.	2.4	28
25	Pathological Role of Peptidyl-Prolyl Isomerase Pin1 in the Disruption of Synaptic Plasticity in Alzheimerâ€™s Disease. Neural Plasticity, 2017, 2017, 1-12.	2.2	28
26	Scale-Up Synthesis of Antidepressant Drug Vilazodone. Organic Process Research and Development, 2012, 16, 1552-1557.	2.7	26
27	Liposomal remdesivir inhalation solution for targeted lung delivery as a novel therapeutic approach for COVID-19. Asian Journal of Pharmaceutical Sciences, 2021, 16, 772-783.	9.1	26
28	An Effective Synthetic Entry to Fused Benzimidazoles via Iodocyclization. Advanced Synthesis and Catalysis, 2011, 353, 1429-1437.	4.3	25
29	Recent advances in inhibitors of sirtuin1/2: an update and perspective. Future Medicinal Chemistry, 2018, 10, 907-934.	2.3	25
30	Discovery of novel potent covalent inhibitor-based EGFR degrader with excellent in vivo efficacy. Bioorganic Chemistry, 2022, 120, 105605.	4.1	25
31	Targeting Î²-amyloid plaques and oligomers: development of near-IR fluorescence imaging probes. Future Medicinal Chemistry, 2017, 9, 179-198.	2.3	23
32	A novel limonin derivate modulates inflammatory response by suppressing the TLR4/NF-ÎºB signalling pathway. Biomedicine and Pharmacotherapy, 2018, 100, 501-508.	5.6	23
33	Inhibitors of Mutant Isocitrate Dehydrogenases 1 and 2 (mIDH1/2): An Update and Perspective. Journal of Medicinal Chemistry, 2018, 61, 8981-9003.	6.4	23
34	Discovery of Potent and Novel Dual PARP/BRD4 Inhibitors for Efficient Treatment of Pancreatic Cancer. Journal of Medicinal Chemistry, 2021, 64, 17413-17435.	6.4	23
35	Benzimidazol-2-yl or benzimidazol-2-ylthiomethyl benzoylguanidines as novel Na+/H+ exchanger inhibitors, synthesis and protection against ischemic-reperfusion injury. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2430-2433.	2.2	20
36	Design, synthesis and biological evaluation of aminobenzyloxyarylamide derivatives as selective Îº opioid receptor antagonists. European Journal of Medicinal Chemistry, 2017, 130, 15-25.	5.5	20

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37	Discovery of novel PARP/PI3K dual inhibitors with high efficiency against BRCA-proficient triple negative breast cancer. European Journal of Medicinal Chemistry, 2021, 213, 113054.	5.5	20
38	Design, synthesis and biological evaluation of novel benzoxaborole derivatives as potent PDE4 inhibitors for topical treatment of atopic dermatitis. European Journal of Medicinal Chemistry, 2021, 213, 113171.	5.5	20
39	Development and validation of a liquid chromatography/tandem mass spectrometry assay for the simultaneous determination of dabigatran etexilate, intermediate metabolite and dabigatran in 50Î¼L rat plasma and its application to pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 973, 110-119.	2.3	19
40	Discovery of the First Potent IDO1/IDO2 Dual Inhibitors: A Promising Strategy for Cancer Immunotherapy. Journal of Medicinal Chemistry, 2021, 64, 17950-17968.	6.4	19
41	Discovery of novel and potent PARP/PI3K dual inhibitors for the treatment of cancer. European Journal of Medicinal Chemistry, 2021, 217, 113357.	5.5	18
42	Design, synthesis and biological evaluation of novel 5-fluoro-1H-benzimidazole-4-carboxamide derivatives as potent PARP-1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4127-4132.	2.2	16
43	A highly sensitive fluorescent probe for selective detection of cysteine/homocysteine from glutathione and its application in living cells and tissues. New Journal of Chemistry, 2018, 42, 18172-18181.	2.8	16
44	Design, synthesis and antithrombotic evaluation of novel dabigatran prodrugs containing methyl ferulate. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2089-2092.	2.2	15
45	Discovery and SAR study of 2-(1-propylpiperidin-4-yl)-3H-imidazo[4,5-c]pyridine-7-carboxamide: A potent inhibitor of poly(ADP-ribose) polymerase-1 (PARP-1) for the treatment of cancer. Bioorganic and Medicinal Chemistry, 2015, 23, 6551-6559.	3.0	15
46	Identification of novel allosteric inhibitors of mutant isocitrate dehydrogenase 1 by cross docking-based virtual screening. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 388-393.	2.2	15
47	Synthesis and antithrombotic evaluation of novel dabigatran prodrugs containing a cleavable moiety with anti-platelet activity. European Journal of Medicinal Chemistry, 2012, 57, 21-28.	5.5	14
48	Identification of a novel selective inhibitor of mutant isocitrate dehydrogenase 1 at allosteric site by docking-based virtual screening. RSC Advances, 2016, 6, 96735-96742.	3.6	13
49	Design, synthesis and biological evaluation of novel non-peptide boronic acid derivatives as proteasome inhibitors. European Journal of Medicinal Chemistry, 2017, 128, 180-191.	5.5	13
50	Discovery of novel limonin derivatives as potent anti-inflammatory and analgesic agents. Chinese Journal of Natural Medicines, 2018, 16, 231-240.	1.3	13
51	Optimization of 5-arylidene barbiturates as potent, selective, reversible LSD1 inhibitors for the treatment of acute promyelocytic leukemia. Bioorganic and Medicinal Chemistry, 2018, 26, 4871-4880.	3.0	13
52	Versatile near-infrared fluorescent probe for in vivo detection of AÎ² oligomers. Bioorganic and Medicinal Chemistry, 2020, 28, 115559.	3.0	13
53	Discovery of novel VEGFR-2 inhibitors embedding 6,7-dimethoxyquinazoline and diarylamide fragments. Bioorganic and Medicinal Chemistry Letters, 2021, 36, 127788.	2.2	13
54	Curcumin Complex Analogues as Near-Infrared Fluorescent Probes for Monitoring all AÎ² Species in the Early Alzheimerâ€™s Disease Model. ACS Chemical Neuroscience, 2021, 12, 3683-3689.	3.5	13

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55	Novel tricyclic poly (ADP-ribose) polymerase-1/2 inhibitors with potent anticancer chemopotentiating activity: Design, synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2016, 24, 4731-4740.	3.0	12
56	Design, synthesis and biological activity of 4-(4-benzyloxy)phenoxypiperidines as selective and reversible LSD1 inhibitors. Bioorganic Chemistry, 2018, 78, 7-16.	4.1	12
57	Transition Metalâ€Free C5 Tosyloxylation of 8â€Aminoquinolines with Phenyliodine Bistrifluoroacetate and Substituted 1,2â€Disulfonyl Hydrazides. European Journal of Organic Chemistry, 2019, 2019, 2513-2519.	2.4	12
58	FDI-6 inhibits the expression and function of FOXM1 to sensitize BRCA-proficient triple-negative breast cancer cells to Olaparib by regulating cell cycle progression and DNA damage repair. Cell Death and Disease, 2021, 12, 1138.	6.3	12
59	Design, synthesis and biological evaluation of novel substituted benzoylguanidine derivatives as potent Na+/H+ exchanger inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3283-3287.	2.2	11
60	Palladiumâ€Catalyzed Tandem Reactions of Î²â€(2â€Bromophenyl)â€Î±,Î²â€Unsaturated Carbonyl Compounds with 2â€Hydroxyphenylboronic Acid: A New Route to Benzo[c]chromenes. European Journal of Organic Chemistry, 2012, 2012, 1112-1114.	2.4	11
61	Antithrombotic activity of HY023016, a novel Dabigatran prodrug evaluated in animal thrombosis models. Thrombosis Research, 2013, 131, 425-435.	1.7	11
62	Design, synthesis and mechanism studies of novel dual PARP1/BRD4 inhibitors against pancreatic cancer. European Journal of Medicinal Chemistry, 2022, 230, 114116.	5.5	11
63	Design, synthesis and biological activity of 3-pyrazine-2-yl-oxazolidin-2-ones as novel, potent and selective inhibitors of mutant isocitrate dehydrogenase 1. Bioorganic and Medicinal Chemistry, 2017, 25, 6379-6387.	3.0	10
64	Design, synthesis and antithrombotic evaluation of novel non-peptide thrombin inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 458-470.	3.0	10
65	Discovery of potent, orally bioavailable ERK1/2 inhibitors with isoindolin-1-one structure by structure-based drug design. European Journal of Medicinal Chemistry, 2019, 164, 334-341.	5.5	10
66	Discovery of deoxylimonin Î´-lactam derivative with favorable anti-inflammation and antinociception efficacy from chemical modified limonin/deoxylimonin analogs. Bioorganic Chemistry, 2020, 100, 103886.	4.1	10
67	Synthesis and Na⁺/H⁺ Exchangerâ€1 Inhibitory Activity of Substituted (Quinolinecarbonyl)guanidine Derivatives. Chemistry and Biodiversity, 2009, 6, 1727-1736.	2.1	9
68	Synthesis, crystal structure, and biological activities of a Zn(II) complex with a Se substituted Schiff base. Journal of Coordination Chemistry, 2013, 66, 2032-2038.	2.2	9
69	Design, synthesis and biological evaluation of novel 3 H -imidazole [4,5- b] pyridine derivatives as selective mTOR inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3395-3398.	2.2	9
70	A new fluorescent probe for quick and highly selective detection of hydrogen sulfide and its application in living cells. New Journal of Chemistry, 2018, 42, 13884-13888.	2.8	9
71	Design, synthesis and biological evaluation of novel tetrahydroisoquinoline quaternary derivatives as peripheral Îº-opioid receptor agonists. Bioorganic and Medicinal Chemistry, 2016, 24, 2964-2970.	3.0	8
72	Design, synthesis and biological evaluation of anthranilamide derivatives as potent SMO inhibitors. Bioorganic and Medicinal Chemistry, 2020, 28, 115354.	3.0	8

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73	Synthesis and bioactivity of substituted indan-1-ylideneaminoguanidine derivatives. European Journal of Medicinal Chemistry, 2009, 44, 3771-3776.	5.5	7
74	Design, Synthesis, and Biological Evaluation of Dabigatran Etexilate Mimics, a Novel Class of Thrombin Inhibitors. Archiv Der Pharmazie, 2015, 348, 595-605.	4.1	7
75	Discovery of novel nonpeptide small-molecule NRP1 antagonists: Virtual screening, molecular simulation and structural modification. Bioorganic and Medicinal Chemistry, 2020, 28, 115183.	3.0	7
76	Design, synthesis and biological evaluation of novel molecules as potent PARP-1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 47, 128169.	2.2	7
77	FDI-6 and olaparib synergistically inhibit the growth of pancreatic cancer by repressing BUB1, BRCA1 and CDC25A signaling pathways. Pharmacological Research, 2022, 175, 106040.	7.1	7
78	Discovery, stereospecific characterization and peripheral modification of 1-(pyrrolidin-1-ylmethyl)-2-[(6-chloro-3-oxo-indan)-formyl]-1,2,3,4-tetrahydroisoquinolines as novel selective Î¼ opioid receptor agonists. Organic and Biomolecular Chemistry, 2015, 13, 5656-5673.	2.8	6
79	Design, synthesis and antithrombotic evaluation of novel dabigatran etexilate analogs, a new series of non-peptides thrombin inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 7405-7416.	3.0	6
80	Amideâ€Oxazoline Directed orthoâ€Câ€“H Nitration Mediated by Cu^{II}. European Journal of Organic Chemistry, 2019, 2019, 3005-3011.	2.4	6
81	Design, synthesis and biological evaluation of N-hydroxy-aminobenzyloxyarylamide analogues as novel selective Î¼ opioid receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127236.	2.2	6
82	Novel Opioid Receptor Agonists with Reduced Morphine-like Side Effects. Mini-Reviews in Medicinal Chemistry, 2018, 18, 1603-1610.	2.4	6
83	Synthesis of Novel Ligustrazine Derivatives as Na⁺/H⁺ Exchange Inhibitors. Chemistry and Biodiversity, 2010, 7, 2727-2736.	2.1	5
84	Novel aromatic sulfonyl naphthalene-based boronates as 20S proteasome inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 1050-1061.	3.0	5
85	Strategies Targeting Soluble Î²-Amyloid Oligomers and their Application to Early Diagnosis of Alzheimerâ€™s Disease. Current Alzheimer Research, 2020, 16, 1132-1142.	1.4	5
86	Synthesis of Limonin Derivatives with Improved Anti-inflammatory and Analgesic Properties. Letters in Drug Design and Discovery, 2020, 17, 285-299.	0.7	5
87	The cardioprotective effect of TG-6, a newly synthesized compound, on ischemia-reperfusion injury in rats. European Journal of Pharmacology, 2012, 683, 190-196.	3.5	4
88	Synthesis and anti-angiogenetic activity evaluation of N-(3-aryl acryloyl)aminosaccharide derivatives. Carbohydrate Research, 2013, 381, 83-92.	2.3	4
89	Structure-activity relationships and antiproliferative effects of 1,2,3,4-4H-quinoxaline derivatives as tubulin polymerization inhibitors. Bioorganic Chemistry, 2021, 110, 104793.	4.1	4
90	Synthesis and Na+/H+ exchanger inhibitory activity of benzoylguanidine derivatives. European Journal of Medicinal Chemistry, 2011, 46, 4107-4116.	5.5	3

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91	An Improved Synthesis of Substituted Indan-1-Carboxylic Acid. Journal of Chemical Research, 2011, 35, 317-319.	1.3	3
92	A practical synthesis of amino limonin/deoxylimonin derivatives as effective mitigators against inflammation and nociception. RSC Medicinal Chemistry, 2020, 11, 843-847.	3.9	3
93	Discovery of novel IDO1 inhibitors targeting the proteinâ€™s apo form through scaffold hopping from holo-IDO1 inhibitor. Bioorganic and Medicinal Chemistry Letters, 2021, 52, 128373.	2.2	3
94	Synthesis of N-Heteroaroyl Aminosaccharide Derivatives as Fibroblast Growth Factor 2 Signaling Modulators. Chemical and Pharmaceutical Bulletin, 2010, 58, 1210-1215.	1.3	2
95	An efficient procedure for synthesis of 2, 3-dihydro-1H-indene-1-methanamines. Research on Chemical Intermediates, 2013, 39, 4091-4098.	2.7	2
96	Palladiumâ€catalyzed Synthesis of Novel Oâ€Heterocycles by Domino Suzuki Couplingâ€Michael Addition Reaction. Journal of Heterocyclic Chemistry, 2016, 53, 919-923.	2.6	2
97	Evaluating antithrombotic activity of HY023016 on rat hypercoagulable model. European Journal of Pharmacology, 2016, 781, 190-197.	3.5	2
98	Design, synthesis and biological evaluation of novel desloratadine derivatives with anti-inflammatory and H1 antagonize activities. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126712.	2.2	2
99	Privileged Scaffolds Targeting Bromodomain-containing Protein 4. Current Topics in Medicinal Chemistry, 2022, 22, .	2.1	2
100	Synthesis and Bioactivity of Substituted Benzoylguanidine Derivatives as Potent Na⁺/H⁺ Exchanger Inhibitors. Chinese Journal of Chemistry, 2012, 30, 333-340.	4.9	1
101	Identification of new non-steroidal TGR5 agonists using virtual screening with combined pharmacophore models. Medicinal Chemistry Research, 2015, 24, 2561-2572.	2.4	1
102	Synthesis and biological evaluation of novel laropiprant derivatives as potential anti-allergic agents. Medicinal Chemistry Research, 2015, 24, 3920-3931.	2.4	1
103	Preclinical Drug Pharmacokinetic, Tissue Distribution and Excretion Profiles of the Novel Limonin Derivate HY-071085 as an Anti-Inflammatory and Analgesic Candidate in Rats and Beagle Dogs. Pharmaceuticals, 2022, 15, 801.	3.8	1
104	Effect of CPU-XT-008, a combretastatin A-4 analogue, on the proliferation, apoptosis and expression of vascular endothelial growth factor and basic fibroblast growth factor in human umbilical vein endothelial cells. Oncology Letters, 2016, 11, 491-499.	1.8	0
105	Dual inhibition of HY023016 based on binding properties of platelet membrane receptor subunit glycoprotein Ibα and thrombin exosites. European Journal of Pharmacology, 2018, 822, 51-58.	3.5	0
106	Dualâ€target synergistic antithrombotic mechanism of a Dabigatran etexilate analogue (HY023016). Clinical and Experimental Pharmacology and Physiology, 2022, , .	1.9	0