

Hong-Guang Xia

List of Publications by Year in descending order

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53
papers

3,455
citations

172457

29
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175258

52
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74
all docs

74
docs citations

74
times ranked

6886
citing authors

#	ARTICLE	IF	CITATIONS
1	Beclin1 Controls the Levels of p53 by Regulating the Deubiquitination Activity of USP10 and USP13. <i>Cell</i> , 2011, 147, 223-234.	28.9	687
2	Recent advances in photoinduced trifluoromethylation and difluoroalkylation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1163-1185.	4.5	228
3	Pharmacologic agents targeting autophagy. <i>Journal of Clinical Investigation</i> , 2015, 125, 5-13.	8.2	198
4	Control of basal autophagy by calpain1 mediated cleavage of ATG5. <i>Autophagy</i> , 2010, 6, 61-66.	9.1	170
5	Chaperone-mediated autophagy degrades mutant p53. <i>Genes and Development</i> , 2013, 27, 1718-1730.	5.9	154
6	Molecular iodine: a highly efficient catalyst in the synthesis of quinolines via FriedlÄnder annulation. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 126-129.	2.8	153
7	mTORC1 Phosphorylates Acetyltransferase p300 to Regulate Autophagy and Lipogenesis. <i>Molecular Cell</i> , 2017, 68, 323-335.e6.	9.7	128
8	Degradation of HK2 by chaperone-mediated autophagy promotes metabolic catastrophe and cell death. <i>Journal of Cell Biology</i> , 2015, 210, 705-716.	5.2	95
9	Pharmacological targeting of MCL-1 promotes mitophagy and improves disease pathologies in an Alzheimerâ€™s disease mouse model. <i>Nature Communications</i> , 2020, 11, 5731.	12.8	94
10	A facile and highly efficient route to Î±-amino phosphonates via three-component reactions catalyzed by Mg(ClO ₄) ₂ or molecular iodine. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1663-1666.	2.8	86
11	Drug Discovery Targeting Anaplastic Lymphoma Kinase (ALK). <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10927-10954.	6.4	80
12	G-protein-coupled receptors regulate autophagy by ZBTB16-mediated ubiquitination and proteasomal degradation of Atg14L. <i>ELife</i> , 2015, 4, e06734.	6.0	80
13	Mitochondrial Electron Transport Chain Complex III Is Required for Antimycin A to Inhibit Autophagy. <i>Chemistry and Biology</i> , 2011, 18, 1474-1481.	6.0	73
14	Copper(II)-catalyzed sulfonylation of (2-alkynylaryl)boronic acids with DABSO. <i>Organic Chemistry Frontiers</i> , 2016, 3, 693-696.	4.5	70
15	Base-controlled [3+3] cycloaddition of isoquinoline N-oxides with azaoxyallyl cations. <i>Chemical Communications</i> , 2016, 52, 10415-10418.	4.1	69
16	Generation of (2-oxoindolin-3-yl)methanesulfonohydrazides via a photo-induced reaction of N-(2-iodoaryl)acrylamide, DABSO, and hydrazine. <i>Organic Chemistry Frontiers</i> , 2016, 3, 865-869.	4.5	69
17	Tertiary amines as highly efficient catalysts in the ring-opening reactions of epoxides with amines or thiols in H ₂ O: expeditious approach to Î²-amino alcohols and Î²-aminothioethers. <i>Green Chemistry</i> , 2005, 7, 708.	9.0	66
18	Metformin activates chaperone-mediated autophagy and improves disease pathologies in an Alzheimer disease mouse model. <i>Protein and Cell</i> , 2021, 12, 769-787.	11.0	63

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19	Palladium-catalyzed direct sulfonylation of C-H bonds with the insertion of sulfur dioxide. <i>Chemical Communications</i> , 2017, 53, 12548-12551.	4.1	62
20	Generation of benzosultams via a radical process with the insertion of sulfur dioxide. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1121-1124.	4.5	59
21	A copper-catalyzed sulfonylative C-H bond functionalization from sulfur dioxide and aryldiazonium tetrafluoroborates. <i>Organic Chemistry Frontiers</i> , 2018, 5, 366-370.	4.5	58
22	Expedient approach to α -amino phosphonates via three-component solvent-free reactions catalyzed by NBS or CBr ₄ . <i>Green Chemistry</i> , 2006, 8, 365.	9.0	54
23	Palladium-catalyzed Suzuki-Miyaura couplings of potassium aryl trifluoroborates with 4-tosyloxycoumarins or 4-tosyloxyquinolin-2(1H)-one. <i>Tetrahedron Letters</i> , 2006, 47, 1525-1528.	1.4	54
24	Photoredox-catalyzed sulfonylation of alkenylcyclobutanols with the insertion of sulfur dioxide through semipinacol rearrangement. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1873-1878.	4.5	53
25	ARH1 signaling promotes anti-tumor immunity by targeting PD-L1 for proteasomal degradation. <i>Nature Communications</i> , 2021, 12, 2346.	12.8	52
26	Sc(OTf) ₃ -Catalyzed [3+2]-cycloaddition of aziridines with nitriles under solvent-free conditions. <i>Tetrahedron Letters</i> , 2006, 47, 1509-1512.	1.4	48
27	Radical cyclization of benzene-tethered 1,7-enynes with aryldiazonium tetrafluoroborates: a facile route to benzo[<i>h</i>]phenanthridines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1318-1321.	4.5	46
28	Ring Opening of Aziridines with Silylated Nucleophiles under Neutral Conditions. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4769-4772.	2.4	36
29	Intramolecular oxysulfonylation of alkenes with the insertion of sulfur dioxide under photocatalysis. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2437-2441.	4.5	31
30	C(sp ²)-H functionalization of aldehyde-derived hydrazones via a radical process. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1227-1241.	2.8	28
31	Discovery of Novel GR Ligands toward Druggable GR Antagonist Conformations Identified by MD Simulations and Markov State Model Analysis. <i>Advanced Science</i> , 2022, 9, e2102435.	11.2	28
32	Synthesis and SAR study of diphenylbutylpiperidines as cell autophagy inducers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 234-239.	2.2	27
33	Thiosulfonylation of alkenes with the insertion of sulfur dioxide under non-metallic conditions. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2940-2944.	4.5	26
34	RIPK1 Promotes Energy Sensing by the mTORC1 Pathway. <i>Molecular Cell</i> , 2021, 81, 370-385.e7.	9.7	25
35	Mitophagy Regulates Neurodegenerative Diseases. <i>Cells</i> , 2021, 10, 1876.	4.1	24
36	A Highly Efficient Catalyst FeCl ₃ in the Synthesis of α -Amino Phosphonates via Three-component Reactions. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1054-1057.	4.9	22

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37	Mitophagy induced by UMI-77 preserves mitochondrial fitness in renal tubular epithelial cells and alleviates renal fibrosis. <i>FASEB Journal</i> , 2022, 36, e22342.	0.5	21
38	Total synthesis and cytotoxicity of bisbromoamide and its analogues. <i>Tetrahedron Letters</i> , 2011, 52, 2124-2127.	1.4	19
39	A palladium-catalyzed coupling reaction of aryl nonaflates, sulfur dioxide, and hydrazines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1665-1669.	2.8	19
40	Activation of chaperone-mediated autophagy as a potential anticancer therapy. <i>Autophagy</i> , 2015, 11, 2370-2371.	9.1	18
41	Targeting MCL1 to induce mitophagy is a potential therapeutic strategy for Alzheimer disease. <i>Autophagy</i> , 2021, 17, 818-819.	9.1	18
42	A palladium-catalyzed tandem reaction of 2-(2-bromobenzylidene)cyclobutanone with 2-alkynylphenol. <i>Chemical Communications</i> , 2015, 51, 16483-16485.	4.1	11
43	Delivery of a system x _c ⁻ inhibitor by a redox-responsive levodopa prodrug nanoassembly for combination ferrotherapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7172-7181.	5.8	8
44	An unexpected three-component reaction of 2-alkylenecyclobutanone and N ^ε -(2-alkynylbenzylidene)hydrazide with water. <i>RSC Advances</i> , 2015, 5, 85225-85228.	3.6	7
45	A palladium-catalyzed tandem reaction of 2-alkynylbenzenesulfonamides with 2-(2-bromoarylidene)cyclobutanones. <i>Organic Chemistry Frontiers</i> , 2016, 3, 697-700.	4.5	6
46	SC75741, A Novel c-Abl Inhibitor, Promotes the Clearance of TDP25 Aggregates via ATG5-Dependent Autophagy Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 741219.	3.5	6
47	Diphenylbutylpiperidine-based cell autophagy inducers: Design, synthesis and SAR studies. <i>MedChemComm</i> , 2011, 2, 315.	3.4	5
48	Inhibition of RIPK1 by ZJU-37 promotes oligodendrocyte progenitor proliferation and remyelination via NF- κ B pathway. <i>Cell Death Discovery</i> , 2022, 8, 147.	4.7	4
49	5-((7-Chloro-6-fluoro-1H-indol-3-yl) methyl)-3-methylimidazolidine-2,4-dione as a RIP1 inhibitor protects LPS/D-galactosamine-induced liver failure. <i>Life Sciences</i> , 2021, 273, 119304.	4.3	3
50	Small molecule α - and β -switches for autophagy. <i>FASEB Journal</i> , 2012, 26, 220.2.	0.5	0
51	Abstract SY36-03: Development of small-molecule inhibitors of autophagy as anticancer therapy. , 2012, , .		0
52	Degradation of HK2 by chaperone-mediated autophagy promotes metabolic catastrophe and cell death. <i>Journal of Experimental Medicine</i> , 2015, 212, 2121001A79.	8.5	0
53	Deubiquitination and Stabilization of PD-L1 by USP21.. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 12763-12774.	0.0	0