

# Kui Lu

## List of Publications by Year in descending order

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64  
papers

1,624  
citations

257357

24  
h-index

330025

37  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1552  
citing authors

#	ARTICLE	IF	CITATIONS
1	p-Toluenesulphonic acid-promoted, I <sub>2</sub> -catalysed sulphenylation of pyrazolones with aryl sulphonyl hydrazides. <i>Chemical Communications</i> , 2014, 50, 13121-13123.	2.2	112
2	Synthesis of 2-Aryl and 3-Aryl Benzo[ <i>b</i> ]furan Thioethers Using Aryl Sulfonyl Hydrazides as Sulfenylation Reagents. <i>Journal of Organic Chemistry</i> , 2015, 80, 2918-2924.	1.7	96
3	Synthesis and anti-cancer activity evaluation of novel prenylated and geranylated chalcone natural products and their analogs. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 439-448.	2.6	77
4	Iodine-catalyzed thiolation of electron-rich aromatics using sulfonyl hydrazides as sulfenylation reagents. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1131-1137.	1.5	55
5	Transition-Metal-Free Direct Trifluoromethylthiolation and Trifluoromethylsulfoxidation of Electron-Rich Aromatics with CF <sub>3</sub> SO <sub>2</sub> Na in the Presence of PCl <sub>3</sub> . <i>Journal of Organic Chemistry</i> , 2017, 82, 9175-9181.	1.7	55
6	Discovery of Myricetin as a Potent Inhibitor of Human Flap Endonuclease 1, Which Potentially Can Be Used as Sensitizing Agent against HT-29 Human Colon Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1656-1665.	2.4	54
7	Transition metal-free direct trifluoromethylthiolation of indoles using trifluoromethanesulfonyl chloride in the presence of triphenylphosphine. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1254-1260.	1.5	53
8	Potassium iodide promoted thiolation of pyrazolones and benzofurans using aryl sulfonyl chlorides as sulfenylation reagents. <i>Tetrahedron Letters</i> , 2016, 57, 5330-5333.	0.7	48
9	Effect of purple yam flour substitution for wheat flour on in vitro starch digestibility of wheat bread. <i>Food Chemistry</i> , 2019, 284, 118-124.	4.2	45
10	Visible-Light-Driven Synthesis of Arylstannanes from Arylazo Sulfones. <i>Organic Letters</i> , 2019, 21, 5187-5191.	2.4	43
11	Synthesis of 6-hydroxyaurone analogues and evaluation of their $\alpha$ -glucosidase inhibitory and glucose consumption-promoting activity: Development of highly active 5,6-disubstituted derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3226-3230.	1.0	41
12	Transition-metal free direct difluoromethylthiolation of electron-rich aromatics with difluoromethanesulfonyl chloride. <i>Organic Chemistry Frontiers</i> , 2017, 4, 232-235.	2.3	39
13	State of knowledge in photoredox-catalysed direct difluoromethylation. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3598-3623.	2.3	39
14	The mechanism for cleavage of three typical glucosidic bonds induced by hydroxyl free radical. <i>Carbohydrate Polymers</i> , 2017, 178, 34-40.	5.1	37
15	Visible-light photocatalytic trifluoromethylthiolation of aryldiazonium salts: conversion of amino group into trifluoromethylthiol group. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2636-2640.	2.3	34
16	Regioselective iodination of flavonoids by N-iodosuccinimide under neutral conditions. <i>Tetrahedron Letters</i> , 2013, 54, 6345-6348.	0.7	33
17	Transition-metal-free trifluoromethylthiolation and difluoromethylthiolation of thiols with trifluoromethanesulfonyl chloride and difluoromethanesulfonyl chloride. <i>Tetrahedron</i> , 2017, 73, 3112-3117.	1.0	32
18	Photoinduced Three-Component Difluoroalkylation of Quinoxalinones with Alkenes via Difluoroiodane(III) Reagents. <i>Organic Letters</i> , 2022, 24, 3576-3581.	2.4	31

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19	Metal-Free Synthesis of Unsymmetrical Aryl Selenides and Tellurides via Visible Light-Driven Activation of Arylazo Sulfones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7358-7367.	1.2	30
20	Iodine-catalysed regioselective thiolation of flavonoids using sulfonyl hydrazides as sulfenylation reagents. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7304-7312.	1.5	29
21	Transition-metal-free direct trifluoromethylthiolation of electron-rich aromatics using CF <sub>3</sub> SO <sub>2</sub> Na in the presence of PhPCl <sub>2</sub> . <i>Tetrahedron</i> , 2017, 73, 7233-7238.	1.0	29
22	Ferric chloride-promoted direct trifluoromethylselenolation of nitrogen-containing heterocyclic compounds by Se-(trifluoromethyl) 4-methylbenzenesulfonoselenoate in water. <i>Tetrahedron Letters</i> , 2019, 60, 1796-1799.	0.7	27
23	Metal-Free Difluoromethylselenolation of Arylamines Under Visible-Light Photocatalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 1224-1231.	1.7	27
24	Concise synthesis of prenylated and geranylated chalcone natural products by regioselective iodination and Suzuki coupling reactions. <i>Tetrahedron Letters</i> , 2014, 55, 897-899.	0.7	25
25	Deoxygenation of sulphoxides to sulphides with trichlorophosphane. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1200-1204.	1.5	25
26	One-pot synthesis of $\beta$ -lactams by the Ugi and Michael addition cascade reaction. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6096-6105.	1.5	24
27	Copper-catalyzed direct trifluoromethylthiolation of indoles by <i>tert</i> -butyl 2-((trifluoromethyl)sulfonyl)hydrazine-1-carboxylate. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3088-3092.	2.3	22
28	Metal-Free $sp^3$ -C-SCF <sub>3</sub> Coupling Reactions between Cycloketone Oxime Esters and <i>S</i> -trifluoromethyl 4-Methylbenzenesulfonothioate. <i>Organic Letters</i> , 2020, 22, 863-866.	2.4	22
29	Synthesis and cytotoxic studies of novel 5-phenylisatin derivatives and their anti-migration and anti-angiogenic evaluation. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 800-814.	2.6	21
30	Silver-mediated radical aryltrifluoromethylthiolation of activated alkenes by <i>S</i> -trifluoromethyl 4-methylbenzenesulfonothioate. <i>Tetrahedron Letters</i> , 2018, 59, 1719-1722.	0.7	20
31	Autophagy induction by xanthoangelol exhibits anti-metastatic activities in hepatocellular carcinoma. <i>Cell Biochemistry and Function</i> , 2019, 37, 128-138.	1.4	20
32	Visible-light induced direct C-H difluoromethylation of quinoxalin-2(1H)-ones by [bis(difluoroacetoxy)iodo]benzene under catalysis-free conditions. <i>Tetrahedron</i> , 2021, 91, 132217.	1.0	20
33	Visible-Light-Promoted Selenocyanation of Cyclobutanone Oxime Esters Using Potassium Selenocyanate. <i>Journal of Organic Chemistry</i> , 2021, 86, 11399-11406.	1.7	20
34	Total synthesis of 8-(6- $\beta$ -umbelliferyl)-apigenin and its analogs as anti-diabetic reagents. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 674-683.	2.6	19
35	Synthesis and antioxidant evaluation of desmethylxanthohumol analogs and their dimers. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 335-345.	2.6	19
36	Recent advances in the development of cyclin-dependent kinase 7 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111641.	2.6	19

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37	Synthesis of Substituted Pyrroles via Copper-Catalyzed Cyclization of Ethyl Allenates with Activated Isocyanides. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2121-2125.	1.7	18
38	Synthesis & Î±-glucosidase inhibitory & glucose consumption-promoting activities of flavonoid-coumarin hybrids. <i>Future Medicinal Chemistry</i> , 2018, 10, 1055-1066.	1.1	18
39	Synthesis of <i>N</i> -arylsulfonamides through a Pd-catalyzed reduction coupling reaction of nitroarenes with sodium arylsulfonates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8150-8154.	1.5	18
40	Metal-Free Trifluoromethylthiolation of Arylazo Sulfones. <i>Journal of Organic Chemistry</i> , 2021, 86, 1292-1299.	1.7	18
41	Visible-Light-Induced Radical Difluoromethylation of Alkynoates by [bis(Difluoroacetoxy)iodo]benzene to Yield 3-Difluoromethylated Coumarins. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 563-566.	1.3	18
42	Divalent oseltamivir analogues as potent influenza neuraminidase inhibitors. <i>Carbohydrate Research</i> , 2019, 477, 32-38.	1.1	16
43	Total synthesis of (±)-Anastatins A and B. <i>Tetrahedron Letters</i> , 2015, 56, 4472-4475.	0.7	15
44	Visible-light induced radical aryldifluoromethylation of <i>N</i> -arylacrylamides by [bis(difluoroacetoxy)iodo]benzene. <i>Tetrahedron Letters</i> , 2021, 67, 152864.	0.7	15
45	Synthesis and anti-oxidant activity evaluation of (±)-Anastatins A, B and their analogs. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 577-589.	2.6	14
46	Tetrabutylammonium Iodide-Promoted Thiolation of Oxindoles Using Sulfonyl Chlorides as Sulfenylation Reagents. <i>Molecules</i> , 2017, 22, 1208.	1.7	13
47	Synthesis of Î±-trifluoromethyl ethanone oximes via the three-component reaction of aryl-substituted ethylenes, <i>tert</i> -butyl nitrite, and the Langlois reagent. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3766-3770.	2.3	13
48	1,4-Addition Ugi Reaction Using Cyclic Î±,Î²-Unsaturated Ketone as Substrate. <i>Organic Letters</i> , 2016, 18, 5038-5041.	2.4	12
49	Antioxidant properties of flavonoid derivatives and their hepatoprotective effects on CCl <sub>4</sub> -induced acute liver injury in mice. <i>RSC Advances</i> , 2018, 8, 15366-15371.	1.7	10
50	Synthesis of 6- or 8-Bromo Flavonoids by Regioselective Mono-Bromination and Deprotection Protocol from Flavonoid Alkyl Ethers. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1460-1466.	1.0	9
51	Metal-free chalcogenation of cycloketone oxime esters with dichalcogenides. <i>Tetrahedron Letters</i> , 2021, 75, 153202.	0.7	9
52	Copper-catalysed direct difluoromethylselenolation of aryl boronic acids with Se-(difluoromethyl) 4-methylbenzenesulfonoselenoate. <i>Tetrahedron Letters</i> , 2021, 68, 152897.	0.7	7
53	Visible-Light Induced <i>Ipso</i> -Difluoromethylation of <i>N</i> -Arylpropionamides to Synthesize 3-Difluoromethyl Spiro[4.5]trienones. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	6
54	Metal-free synthesis of unsymmetrical selenides from pyridinium salts and diselenides catalysed by visible light. <i>Tetrahedron Letters</i> , 2021, 72, 153071.	0.7	5

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55	Visible-light-induced radical cyclization of N-allylbenzamide with [Bis(difluoroacetoxy)iodo]benzene to difluoromethylated dihydroisoquinolones. <i>Tetrahedron Letters</i> , 2022, , 153761.	0.7	5
56	Total synthesis of I3,II8-biapigenin and ridiculoflavone A. <i>Organic Chemistry Frontiers</i> , 2017, 4, 578-586.	2.3	3
57	Total synthesis of wikstrol A and wikstrol B. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8206-8213.	1.5	2
58	Synthesis of Rottlerone Analogues and Evaluation of Their $\alpha$ -Glucosidase and DPP-4 Dual Inhibitory and Glucose Consumption-Promoting Activity. <i>Molecules</i> , 2021, 26, 1024.	1.7	1
59	Structure and Functional Properties of Purple Yam ( <i>Dioscorea alata</i> L.) Starch from China. <i>Starch/Staerke</i> , 2022, 74, .	1.1	1
60	Design and synthesis of the novel antibacterial agent 8-bromo-1,1-dimethyl-1,3,4,9-tetrahydropyrano[3,4-b]indole and its derivatives. , 2012, , .		0
61	Supplementary data for the mechanism for cleavage of three typical glucosidic bonds induced by hydroxyl free radical. <i>Data in Brief</i> , 2017, 15, 414-418.	0.5	0
62	Acid Stable $\alpha$ -Amylase Supplementation in Sourdough Enhanced Lactic Acid Bacterial Performance and the Quality of Bread. <i>Journal of Biobased Materials and Bioenergy</i> , 2021, 15, 392-398.	0.1	0
63	One-pot Synthesis of Pyrazolone Sulfones by Iodine-catalyzed Sulfenylation of Pyrazolones with Aryl Sulfonyl Hydrazides Followed by Oxidation in Water. <i>Current Organic Synthesis</i> , 2018, 15, 380-387.	0.7	0
64	A density functional theory study on the mechanism of simultaneous trifluoromethylation and oximation of aryl-substituted ethylenes. <i>Journal of Chemical Research</i> , 2022, 46, 174751982211040.	0.6	0