

Shuanhu Gao

List of Publications by Year in descending order

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73
papers

2,445
citations

218677

26
h-index

214800

47
g-index

85
all docs

85
docs citations

85
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in the application of Diels–Alder reactions involving <i>o</i> -quinodimethanes, aza- <i>o</i> -quinone methides and <i>o</i> -quinone methides in natural product total synthesis. <i>Chemical Society Reviews</i> , 2018, 47, 7926-7953.	38.1	312
2	Sonogashira coupling in natural product synthesis. <i>Organic Chemistry Frontiers</i> , 2014, 1, 556-566.	4.5	150
3	Synthesis and Structure Revision of Nakiterpiosin. <i>Journal of the American Chemical Society</i> , 2009, 131, 1410-1412.	13.7	132
4	Trends in applying C–H oxidation to the total synthesis of natural products. <i>Natural Product Reports</i> , 2016, 33, 562-581.	10.3	105
5	Asymmetric syntheses of sceptrin and massadine and evidence for biosynthetic enantiodivergence. <i>Science</i> , 2014, 346, 219-224.	12.6	100
6	Total Synthesis of Camptothecin and Related Natural Products by a Flexible Strategy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14778-14783.	13.8	90
7	Asymmetric Synthesis and Biosynthetic Implications of (+)-Fusarisetin A. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7786-7789.	13.8	85
8	Total Synthesis of Gracilamine. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9539-9543.	13.8	80
9	Total Synthesis of (±)-Galanthamine. <i>Organic Letters</i> , 2006, 8, 1823-1825.	4.6	72
10	Chemical and Biological Studies of Nakiterpiosin and Nakiterpiosinone. <i>Journal of the American Chemical Society</i> , 2010, 132, 371-383.	13.7	71
11	Recent advances of synthesis of fluorenone and fluorene containing natural products. <i>Tetrahedron</i> , 2016, 72, 1717-1735.	1.9	65
12	Recent advances in the intramolecular Mannich reaction in natural products total synthesis. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1049-1066.	4.5	59
13	Total Synthesis of Viridin and Viridiol. <i>Journal of the American Chemical Society</i> , 2019, 141, 16208-16212.	13.7	59
14	A Unified Strategy To Construct the Tetracyclic Ring of Calyciphylline A Alkaloids: Total Synthesis of Himalensine A. <i>Organic Letters</i> , 2019, 21, 3741-3745.	4.6	53
15	Total Synthesis of Three Families of Natural Antibiotics: Anthrabenzoquinones, Fasamycins/Naphthacemycins, and Benastatins. <i>CCS Chemistry</i> , 2020, 2, 800-812.	7.8	47
16	Biomimetic Synthesis of Equisetin and (+)-Fusarisetin A. <i>Chemistry - A European Journal</i> , 2013, 19, 13040-13046.	3.3	44
17	The Photo-Nazarov Reaction: Scope and Application. <i>Chemistry - A European Journal</i> , 2014, 20, 8677-8681.	3.3	40
18	Total Synthesis of Farnesin through an Excited State Nazarov Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7444-7449.	13.8	38

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19	Ti(Oi-Pr) ₄ -promoted photoenolization Diels-Alder reaction to construct polycyclic rings and its synthetic applications. <i>Nature Communications</i> , 2017, 8, 622.	12.8	37
20	Asymmetric Total Synthesis of Cephanolide A. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20417-20422.	13.8	37
21	Total Synthesis of Scholarisine K and Alstolactine A. <i>Organic Letters</i> , 2017, 19, 1922-1925.	4.6	33
22	Total Synthesis of Cyanthiwiggins A, C, G, and H. <i>Organic Letters</i> , 2013, 15, 4402-4405.	4.6	32
23	Total Synthesis of the Hamigerans. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9942-9946.	13.8	31
24	Chemo-enzymatic synthesis of equisetin. <i>Chemical Communications</i> , 2017, 53, 4695-4697.	4.1	30
25	Asymmetric Total Synthesis and Biosynthetic Implications of Perovskones, Hydrangenone, and Hydrangenone B. <i>Journal of the American Chemical Society</i> , 2021, 143, 6370-6375.	13.7	30
26	Recent advances in the total synthesis of natural products bearing the contiguous all-carbon quaternary stereocenters. <i>Tetrahedron Letters</i> , 2021, 71, 153029.	1.4	30
27	Total Synthesis and Structural Determination of the Dimeric Tetrahydroxanthone Ascherxanthone A. <i>Organic Letters</i> , 2017, 19, 1834-1837.	4.6	27
28	Construction of the basic skeleton of ophiobolin A and variecolin. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7550.	2.8	24
29	Asymmetric Total Synthesis of the Complex Polycyclic Xanthone FD594. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4360-4364.	13.8	23
30	Total synthesis and biological studies of cryptocin and derivatives of equisetin and fusarisetin A. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7591-7597.	2.8	22
31	Asymmetric total synthesis of cephanolide B. <i>Organic Chemistry Frontiers</i> , 2021, 8, 555-559.	4.5	22
32	Asymmetric Total Synthesis of Aglacins A, B, and E. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16655-16660.	13.8	21
33	Titanium-promoted Intramolecular Photoenolization/Diels-Alder Reaction to Construct Polycyclic Terpenoids: Formal Synthesis of Mycoleptodiscin A. <i>Chinese Journal of Chemistry</i> , 2019, 37, 135-139.	4.9	20
34	An alkaloid initiates phosphodiesterase 3A-dependent apoptosis without affecting the phosphodiesterase activity. <i>Nature Communications</i> , 2020, 11, 3236.	12.8	20
35	Advances of radical and photo reactions in natural products synthesis. <i>Science China Chemistry</i> , 2016, 59, 1093-1108.	8.2	19
36	Synthetic studies on daphniglaucons. <i>Chemical Communications</i> , 2018, 54, 5554-5557.	4.1	19

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37	Structure of PDE3A-SLFN12 complex and structure-based design for a potent apoptosis inducer of tumor cells. <i>Nature Communications</i> , 2021, 12, 6204.	12.8	19
38	A photo-induced C=O bond formation methodology to construct tetrahydroxanthenes. <i>Chemical Communications</i> , 2014, 50, 5254-5257.	4.1	18
39	Total Synthesis of (±)-Xestosaprol N and O. <i>Organic Letters</i> , 2018, 20, 732-735.	4.6	18
40	Convergent Synthesis of Kibdelone C. <i>Organic Letters</i> , 2018, 20, 2872-2875.	4.6	18
41	Total Synthesis of Farnesin through an Excited-State Nazarov Reaction. <i>Angewandte Chemie</i> , 2020, 132, 7514-7519.	2.0	18
42	Synthesis of polycyclic naphthols and naphthalenes <i>via</i> tandem Ti(O <i>i</i> -Pr) ₄ -promoted photoenolization/Diels-Alder reaction and aromatization. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1143-1148.	4.5	15
43	Construction of polycyclic structures with vicinal all-carbon quaternary stereocenters <i>via</i> an enantioselective photoenolization/Diels-Alder reaction. <i>Chemical Science</i> , 2021, 12, 7575-7582.	7.4	15
44	The chemistry of Daphniphyllum alkaloids. <i>The Alkaloids Chemistry and Biology</i> , 2021, 85, 113-176.	2.0	15
45	Asymmetric total synthesis of (+)-xestoquinone and (+)-adociaquinones A and B. <i>Chemical Science</i> , 2021, 12, 4747-4752.	7.4	15
46	A photo-induced C=C bond formation methodology to construct tetrahydrofluorenones and their related structures. <i>Organic Chemistry Frontiers</i> , 2016, 3, 354-358.	4.5	14
47	Asymmetric Total Synthesis of Norzoanthamine. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12807-12812.	13.8	14
48	Construction of the 5,6,7-tricyclic skeleton of lancifodilactone F. <i>Tetrahedron Letters</i> , 2015, 56, 3225-3227.	1.4	13
49	Total Synthesis of Camptothecin and Related Natural Products by a Flexible Strategy. <i>Angewandte Chemie</i> , 2016, 128, 14998-15003.	2.0	13
50	Asymmetric Synthesis of Rugulotrosin A. <i>Organic Letters</i> , 2020, 22, 1485-1489.	4.6	12
51	Recent advances in the total synthesis of gracilamine. <i>Chemical Communications</i> , 2018, 54, 12905-12913.	4.1	11
52	<i>Exo</i> -Selective and Enantioselective Photoenolization/Diels-Alder Reaction. <i>Organic Letters</i> , 2021, 23, 7487-7491.	4.6	10
53	Exploration of 1,3-dipolar cycloaddition reactions to construct the core skeleton of Calyciphylline A-type alkaloids. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3781-3785.	4.5	9
54	Asymmetric Total Synthesis of Cephanolide...A. <i>Angewandte Chemie</i> , 2020, 132, 20597-20602.	2.0	9

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55	The Chemistry and Biology of Nakiterpiosin – C-nor-D-Homosteroids. <i>Synlett</i> , 2012, 23, 2298-2310.	1.8	7
56	Total Synthesis of the Hamigerans. <i>Angewandte Chemie</i> , 2016, 128, 10096-10100.	2.0	7
57	Calixanthomycin A: Asymmetric Total Synthesis and Structural Determination. <i>Organic Letters</i> , 2021, 23, 1769-1774.	4.6	7
58	Synthetic Progress of Fusarisetin A. <i>Chinese Journal of Organic Chemistry</i> , 2013, 33, 259.	1.3	7
59	Asymmetric Total Synthesis of the Complex Polycyclic Xanthone FD-594. <i>Angewandte Chemie</i> , 2020, 132, 4390-4394.	2.0	6
60	Application of Photochemical Rearrangement of Santonin in Total Synthesis of Complex Natural Terpenoids. <i>Acta Chimica Sinica</i> , 2018, 76, 161.	1.4	6
61	Asymmetric Total Synthesis of PD-116740. <i>Organic Letters</i> , 2021, 23, 469-473.	4.6	4
62	Stereoselective Synthesis of the Core Structures of Pyrrocidines and Wortmannines through the Excited-State Nazarov Reactions. <i>Organic Letters</i> , 2021, 23, 2736-2741.	4.6	4
63	Total synthesis of streptoverdione and bioinspired transformation to streptoverdine A and formicapyridine A. <i>Chemical Communications</i> , 2022, 58, 4239-4242.	4.1	4
64	Asymmetric total synthesis of nodulisporiviridin E. <i>Organic Chemistry Frontiers</i> , 2020, 7, 109-112.	4.5	3
65	Asymmetric Total Synthesis of Aglacins A, B, and E. <i>Angewandte Chemie</i> , 2021, 133, 16791-16796.	2.0	3
66	Nakiterpiosin. , 2012, , 25-37.		2
67	Total Synthesis of (+)-Fusarisetin A: A Biomimetic Approach. <i>Synlett</i> , 2013, 25, 1-7.	1.8	2
68	Strategies for the Total Synthesis of the Furanosteroids: wortmannin and viridin. <i>Chemistry Letters</i> , 2021, 50, 497-502.	1.3	2
69	Total Synthesis of Complex Natural Products: Combination of Chemical Synthesis and Biosynthesis Strategies. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2185.	1.3	2
70	Cascade Halo-Michael/Aldol Reaction and Its Application in Synthesis. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 1608.	1.3	1
71	Asymmetric Total Synthesis of Norzoanthamine. <i>Angewandte Chemie</i> , 2021, 133, 12917-12922.	2.0	0
72	Synthetic Progress of Polycyclic Xanthone. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 551.	1.3	0

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73	Total Syntheses of Norrisolide-Type <i>Spongian</i> Diterpenes Cheloviolene C, Seconorrisolide B and Seconorrisolide C. Chinese Journal of Organic Chemistry, 2020, 40, 3481.	1.3	0