Hongtao Xu

List of Publications by Year
in descending order

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58 papers	1,566 citations	279798 23 h-index	330143 37 g-index
65 all docs	65 docs citations	65 times ranked	1246 citing authors

#	Article	IF	Citations
1	Incorporating Selenium into Heterocycles and Natural Productsâ”€From Chemical Properties to Pharmacological Activities. Journal of Medicinal Chemistry, 2022, 65, 4436-4456.	6.4	100
2	Triptolide: Medicinal chemistry, chemical biology and clinical progress. European Journal of Medicinal Chemistry, 2019, 176, 378-392.	5.5	98
3	Celastrol: Progresses in structure-modifications, structure-activity relationships, pharmacology and toxicology. European Journal of Medicinal Chemistry, 2020, 189, 112081.	5.5	98
4	MeCas12a, a Highly Sensitive and Specific System for COVIDâ€19 Detection. Advanced Science, 2020, 7, 2001300.	11.2	91
5	Sulfur [¹⁸F]Fluoride Exchange Click Chemistry Enabled Ultrafast Late-Stage Radiosynthesis. Journal of the American Chemical Society, 2021, 143, 3753-3763.	13.7	89
6	DNAâ€Encoded Libraries: Aryl Fluorosulfonates as Versatile Electrophiles Enabling Facile Onâ€DNA Suzuki, Sonogashira, and Buchwald Reactions. Advanced Science, 2019, 6, 1901551.	11.2	84
7	gemâ€Difluoromethylene Alkyneâ€Enabled Diverse Câ”H Functionalization and Application to the onâ€DNA Synthesis of Difluorinated Isocoumarins. Angewandte Chemie - International Edition, 2021, 60, 1959-1966.	13.8	55
8	Functionalityâ€Independent DNA Encoding of Complex Natural Products. Angewandte Chemie - International Edition, 2019, 58, 9254-9261.	13.8	54
9	A Chemistry for Incorporation of Selenium into DNAâ€Encoded Libraries. Angewandte Chemie - International Edition, 2020, 59, 13273-13280.	13.8	50
10	Design, synthesis and anticancer activity evaluation of novel C14 heterocycle substituted epi-triptolide. European Journal of Medicinal Chemistry, 2014, 73, 46-55.	5.5	41
11	Click chemistry-based synthesis and anticancer activity evaluation of novel C-14 1,2,3-triazole dehydroabietic acid hybrids. European Journal of Medicinal Chemistry, 2017, 138, 1042-1052.	5.5	40
12	Triptriolide Alleviates Lipopolysaccharide-Induced Liver Injury by Nrf2 and NF-ÎºB Signaling Pathways. Frontiers in Pharmacology, 2018, 9, 999.	3.5	37
13	Triptolide-targeted delivery methods. European Journal of Medicinal Chemistry, 2019, 164, 342-351.	5.5	37
14	Selenium as an emerging versatile player in heterocycles and natural products modification. Drug Discovery Today, 2022, 27, 2268-2277.	6.4	36
15	Ruthenium(<scp>ii</scp>)-catalyzed synthesis of indazolone-fused cinnolines via Câ€“H coupling with diazo compounds. Organic and Biomolecular Chemistry, 2018, 16, 7236-7244.	2.8	35
16	Selection of Small Molecules that Bind to and Activate the Insulin Receptor from a DNA-Encoded Library of Natural Products. IScience, 2020, 23, 101197.	4.1	34
17	Divinylsulfonamides as Specific Linkers for Stapling Disulfide Bonds in Peptides. Organic Letters, 2017, 19, 4972-4975.	4.6	32
18	Identification of a diverse synthetic abietane diterpenoid library and insight into the structure-activity relationships for antibacterial activity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 5382-5386.	2.2	31

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19	Identification of a diverse synthetic abietane diterpenoid library for anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 505-510.	2.2	30
20	Design, Synthesis and Structureâ€“Activity Relationships Studies on the Dâ€…Ring of the Natural Product Triptolide. ChemMedChem, 2014, 9, 290-295.	3.2	29
21	Divergent Total Synthesis of Triptolide, Triptonide, Tripdiolide, 16-Hydroxytriptolide, and Their Analogues. Journal of Organic Chemistry, 2014, 79, 10110-10122.	3.2	29
22	Iridium-catalyzed Câ€“H amidation of s-tetrazines. Chemical Communications, 2020, 56, 4692-4695.	4.1	27
23	Gem-Difluorocyclopropenes as Versatile Î²-Monofluorinated Three-sp² Carbon Sources for Cp*Rh(III)-Catalyzed [4 + 3] Annulation: Experimental Development and Mechanistic Insight. ACS Catalysis, 2021, 11, 14694-14701.	11.2	27
24	Palladium-catalyzed one-pot phosphorylation of phenols mediated by sulfuryl fluoride. Chemical Communications, 2021, 57, 4588-4591.	4.1	21
25	Synthesis and biological evaluation of 20-hydroxytriptonide and its analogues. Tetrahedron, 2014, 70, 3107-3115.	1.9	20
26	Metal-Catalyzed One-Pot On-DNA Syntheses of Diarylmethane and Thioether Derivatives. ACS Catalysis, 2022, 12, 1639-1649.	11.2	20
27	Triptriolide antagonizes triptolide-induced nephrocyte apoptosis via inhibiting oxidative stress in vitro and in vivo. Biomedicine and Pharmacotherapy, 2019, 118, 109232.	5.6	19
28	A Small Molecule Selected from a DNAâ€Encoded Library of Natural Products That Binds to TNFâ€Î± and Attenuates Inflammation In Vivo. Advanced Science, 2022, 9, .	11.2	19
29	Functionalityâ€Independent DNA Encoding of Complex Natural Products. Angewandte Chemie, 2019, 131, 9355-9362.	2.0	18
30	Tripterygium glycoside fraction n2 ameliorates adriamycin-induced nephrotic syndrome in rats by suppressing apoptosis. Journal of Ethnopharmacology, 2020, 257, 112789.	4.1	16
31	Click Chemistry in Natural Product Modification. Frontiers in Chemistry, 2021, 9, 774977.	3.6	16
32	Metal-mediate reactions based formal synthesis of triptonide and triptolide. Tetrahedron Letters, 2014, 55, 7118-7120.	1.4	15
33	LLDT-288, a novel triptolide analogue exhibits potent antitumor activity in vitro and in vivo. Biomedicine and Pharmacotherapy, 2017, 93, 1004-1009.	5.6	15
34	A review of the total syntheses of triptolide. Beilstein Journal of Organic Chemistry, 2019, 15, 1984-1995.	2.2	15
35	Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
36	Asymmetric catalyzed intramolecular aza-Michael reaction mediated by quinine-derived primary amines. Chinese Chemical Letters, 2017, 28, 1793-1797.	9.0	14

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37	Click chemistryâ€based synthesis and cytotoxic activity evaluation of 4Î±â€triazole acetate podophyllotoxin derivatives. Chemical Biology and Drug Design, 2019, 93, 473-483.	3.2	14
38	Semisynthesis of triptolide analogues: Effect of B-ring substituents on cytotoxic activities. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5671-5674.	2.2	13
39	Dual-function of triptriolide in podocytes injury: inhibiting of apoptosis and restoring of survival. Biomedicine and Pharmacotherapy, 2019, 109, 1932-1939.	5.6	13
40	A Chemistry for Incorporation of Selenium into DNAâ€Encoded Libraries. Angewandte Chemie, 2020, 132, 13375-13382.	2.0	13
41	Kaempferia galanga L.: Progresses in Phytochemistry, Pharmacology, Toxicology and Ethnomedicinal Uses. Frontiers in Pharmacology, 2021, 12, 675350.	3.5	13
42	Meeting organometallic chemistry with drug discovery: C H activation enabled discovery of a new ring system of 12H-Indazolo[2,1-a]cinnolin-12-ones with anti-proliferation activity. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126916.	2.2	11
43	A DNA-encoded library for the identification of natural product binders that modulate poly (ADP-ribose) polymerase 1, a validated anti-cancer target. Biochemical and Biophysical Research Communications, 2020, 533, 241-248.	2.1	11
44	2-Bromopalmitate targets retinoic acid receptor alpha and overcomes all-trans retinoic acid resistance of acute promyelocytic leukemia. Haematologica, 2019, 104, 102-112.	3.5	10
45	Synthesis of N-Acyl Sulfamates from Fluorosulfonates and Potassium Trimethylsilyloxyl Imidates. Journal of Organic Chemistry, 2019, 84, 15380-15388.	3.2	10
46	Synthesis of Indazolo[2,1-a]Cinnolines via Rhodium (III)-Catalyzed Câ€“H activation/annulation under mild conditions. Tetrahedron, 2019, 75, 4005-4009.	1.9	10
47	gemâ€Difluoromethylene Alkyneâ€Enabled Diverse Câ^'H Functionalization and Application to the onâ€DNA Synthesis of Difluorinated Isocoumarins. Angewandte Chemie, 2021, 133, 1987-1994.	2.0	8
48	BAY 60-6583 Enhances the Antitumor Function of Chimeric Antigen Receptor-Modified T Cells Independent of the Adenosine A2b Receptor. Frontiers in Pharmacology, 2021, 12, 619800.	3.5	8
49	DNAâ€Encoded Libraries: Hydrazide as a Pluripotent Precursor for Onâ€DNA Synthesis of Various Azole Derivatives. Chemistry - A European Journal, 2021, 27, 8214-8220.	3.3	8
50	Rhodium(III) Catalyzed C(sp³)â€"H Functionalization. Chinese Journal of Organic Chemistry, 2022, 42, 391.	1.3	6
51	Synthesis of Oridonin Derivatives via Mizoroki-Heck Reaction and Click Chemistry for Cytotoxic Activity. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 935-947.	1.7	3
52	Tris(2-carboxyethyl)phosphine promotes hydrolysis of iminoboronates. Tetrahedron Letters, 2017, 58, 3101-3106.	1.4	2
53	Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry. Angewandte Chemie, 2022, 134, .	2.0	2
54	CARâ€T Therapy in Clinical Practice: Technical Advances and Current Challenges. Advanced Biology, 2022, 6, .	2.5	2

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55	InnenrÃ¼cktitelbild: A Chemistry for Incorporation of Selenium into DNAâ€Encoded Libraries (Angew.) Tj ETQq1 1 0.784314 rgBT /Over	2.0	0
56	åŸºäºŽé«˜å†…æ¶µæ˜ŽåƒæŠ€æœ¯çš„çº¿è™«å†…PARæ£€æµ‹æ–¹æ³•. Bio-protocol, 2021, , .	0.4	0
57	Inside Cover: Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry (Angew. Chem. Int. Ed. 35/2022). Angewandte Chemie - International Edition, 2022, 61, .	13.8	0
58	Innentitelbild: Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry (Angew. Chem. 35/2022). Angewandte Chemie, 2022, 134, .	2.0	0