

Simon Berritt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/273913/publications.pdf>

Version: 2024-02-01

34
papers

3,160
citations

394421

19
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

3757
citing authors

#	ARTICLE	IF	CITATIONS
1	An oral SARS-CoV-2 M ^{pro} inhibitor clinical candidate for the treatment of COVID-19. <i>Science</i> , 2021, 374, 1586-1593.	12.6	1,074
2	Nanomole-scale high-throughput chemistry for the synthesis of complex molecules. <i>Science</i> , 2015, 347, 49-53.	12.6	454
3	The Evolution of High-Throughput Experimentation in Pharmaceutical Development and Perspectives on the Future. <i>Organic Process Research and Development</i> , 2019, 23, 1213-1242.	2.7	279
4	Open-Air Alkylation Reactions in Photoredox-Catalyzed DNA-Encoded Library Synthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 3723-3732.	13.7	250
5	Catalytic borylation of methane. <i>Science</i> , 2016, 351, 1424-1427.	12.6	147
6	Scalable thioarylation of unprotected peptides and biomolecules under Ni/photoredox catalysis. <i>Chemical Science</i> , 2018, 9, 336-344.	7.4	123
7	Transition-metal-free chemo- and regioselective vinylation of azaallyls. <i>Nature Chemistry</i> , 2017, 9, 997-1004.	13.6	91
8	Transition-Metal-Free Radical C(sp ³)-C(sp ²) and C(sp ³)-C(sp ³) Coupling Enabled by 2-Azaallyls as Super-Electron-Donors and Coupling-Partners. <i>Journal of the American Chemical Society</i> , 2017, 139, 16327-16333.	13.7	77
9	Palladium-Catalyzed C ^α -H Arylation of β -Unsaturated Imines: Catalyst-Controlled Synthesis of Enamine and Allylic Amine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2825-2829.	13.8	71
10	Structural plasticity of tubulin assembly probed by vinca-domain ligands. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 927-934.	2.5	70
11	Palladium-Catalyzed Regioselective Arylation of 1,1,3-Triaryl-2-azaallyl Anions with Aryl Chlorides. <i>Organic Letters</i> , 2014, 16, 4312-4315.	4.6	63
12	Copper(II)- and Palladium(II)-Catalyzed Enantioselective Claisen Rearrangement of Allyloxy- and Propargyloxy-Indoles to Quaternary Oxindoles and Spirocyclic Lactones. <i>Journal of Organic Chemistry</i> , 2012, 77, 11034-11055.	3.2	59
13	Palladium-Catalyzed Nitromethylation of Aryl Halides: An Orthogonal Formylation Equivalent. <i>Organic Letters</i> , 2012, 14, 4086-4089.	4.6	53
14	Asymmetric Synthesis of β -Allyl- α -Aryl β -Amino Acids by Tandem Alkylation/ α -Alkylation of β -Iminoesters. <i>Organic Letters</i> , 2014, 16, 1948-1951.	4.6	47
15	Total Synthesis of (β)-Nodulisporic Acids D, C, and B: Evolution of a Unified Synthetic Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 9502-9511.	13.7	32
16	Efficient Palladium-Catalyzed Cross-Coupling of Highly Acidic Substrates, Nitroacetates. <i>Organic Letters</i> , 2012, 14, 760-763.	4.6	31
17	Synthetic Approaches to the New Drugs Approved during 2019. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3604-3657.	6.4	30
18	Rational Design of a Catalyst for the Selective Monoborylation of Methane. <i>ACS Catalysis</i> , 2018, 8, 10021-10031.	11.2	29

#	ARTICLE	IF	CITATIONS
19	A Method for Identifying and Developing Functional Group Tolerant Catalytic Reactions: Application to the Buchwald-Hartwig Amination. <i>Journal of Organic Chemistry</i> , 2017, 82, 3741-3750.	3.2	28
20	Palladium-Catalyzed Enantioselective Alkenylation of Sulfenate Anions. <i>Organic Letters</i> , 2019, 21, 960-964.	4.6	19
21	Palladium-Catalyzed C-H Arylation of α,β -Unsaturated Imines: Catalyst-Controlled Synthesis of Enamine and Allylic Amine Derivatives. <i>Angewandte Chemie</i> , 2016, 128, 2875-2879.	2.0	18
22	Synthetic Approaches to the New Drugs Approved During 2020. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9607-9661.	6.4	18
23	Structure-activity relationships of ustiloxin analogues. <i>Tetrahedron Letters</i> , 2011, 52, 2136-2139.	1.4	15
24	Palladium-mediated fragmentation of meta photocycloadducts using carbon based electrophiles. Part 1. <i>Tetrahedron</i> , 2006, 62, 3423-3434.	1.9	14
25	Facile Ring-Opening of Azabicyclic [3.1.0]- and [4.1.0]Aminocyclopropanes to Afford 3-Piperidinone and 3-Azepinone. <i>Organic Letters</i> , 2011, 13, 1083-1085.	4.6	11
26	Synthesis and Structure-Activity Relationship Study of Biliatresone, a Plant Isoflavonoid That Causes Biliary Atresia. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 61-64.	2.8	11
27	Targeting MRTF/SRF in CAP2-dependent dilated cardiomyopathy delays disease onset. <i>JCI Insight</i> , 2019, 4, .	5.0	11
28	Introduction of Low-Barrier High-Throughput Experimentation in the Undergraduate Laboratory: Suzuki-Miyaura Reaction. <i>Journal of Chemical Education</i> , 2020, 97, 538-542.	2.3	10
29	Sulfenate anions as organocatalysts for benzylic chloromethyl coupling polymerization via C=C bond formation. <i>Nature Communications</i> , 2018, 9, 1754.	12.8	9
30	Palladium-mediated fragmentation reactions of meta photocycloadducts to afford arylated or oxidatively cyclised products. <i>Tetrahedron</i> , 2006, 62, 9403-9409.	1.9	8
31	Synthesis of α -Heteroaryl Propionic Esters by Palladium-Catalyzed α -Heteroarylation of Silyl Ketene Acetals. <i>Organic Letters</i> , 2021, 23, 6439-6443.	4.6	5
32	Reaction Optimization: A High-Throughput Experimentation Approach. <i>Methods in Pharmacology and Toxicology</i> , 2022, , 527-552.	0.2	1
33	CAP2 loss activated MRTF/SRF signaling through actin dynamics in cardiomyocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR15-5.	0.0	0
34	Synthetic studies of heterocyclic natural products. <i>Current Opinion in Drug Discovery & Development</i> , 2008, 11, 829-52.	1.9	0