Craig Jamieson

List of Publications by Year
in descending order

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60	1,740	218381	301761
papers	citations	26 h-index	39 g-index

67	67	67	2115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of a Bicyclo[1.1.1]pentane as a Phenyl Replacement within an LpPLA₂ Inhibitor. ACS Medicinal Chemistry Letters, 2017, 8, 43-48.	1.3	156
2	Evaluation of alternative solvents in common amide coupling reactions: replacement of dichloromethane and N,N-dimethylformamide. Green Chemistry, 2013, 15, 596.	4.6	118
3	Scope and limitations of a DMF bio-alternative within Sonogashira cross-coupling and Cacchi-type annulation. Beilstein Journal of Organic Chemistry, 2016, 12, 2005-2011.	1.3	82
4	The Changing Faces of Halogenated Marine Natural Products: Total Synthesis of the Reported Structures of Elatenyne and an Enyne fromLaurencia majuscula. Angewandte Chemie - International Edition, 2006, 45, 7199-7202.	7.2	59
5	Development of a solvent selection guide for aldehyde-based direct reductive amination processes. Green Chemistry, 2013, 15, 1159.	4.6	59
6	Development of Autotaxin Inhibitors: An Overview of the Patent and Primary Literature. Journal of Medicinal Chemistry, 2016, 59, 5604-5621.	2.9	59
7	Cyrene as a bio-based solvent for HATU mediated amide coupling. Organic and Biomolecular Chemistry, 2018, 16, 2851-2854.	1.5	59
8	Cyrene as a Bio-Based Solvent for the Suzukiâ€“Miyaura Cross-Coupling. Synlett, 2018, 29, 650-654.	1.0	53
9	Catalytic amidation of unactivated ester derivatives mediated by trifluoroethanol. Chemical Communications, 2015, 51, 9495-9498.	2.2	51
10	Organobase-Catalyzed Amidation of Esters with Amino Alcohols. Organic Letters, 2013, 15, 2506-2509.	2.4	49
11	Cancer-associated fibroblasts require proline synthesis by PYCR1 for the deposition of pro-tumorigenic extracellular matrix. Nature Metabolism, 2022, 4, 693-710.	5.1	49
12	Replacement of dichloromethane within chromatographic purification: a guide to alternative solvents. Green Chemistry, 2012, 14, 3016.	4.6	41
13	Emergence of Small-Molecule Non-RGD-Mimetic Inhibitors for RGD Integrins. Journal of Medicinal Chemistry, 2017, 60, 3241-3251.	2.9	40
14	Synthesis of the originally proposed structures of elatenyne and an enyne from Laurencia majuscula. Organic and Biomolecular Chemistry, 2009, 7, 238-252.	1.5	38
15	Positive Allosteric Modulators of the Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor. Journal of Medicinal Chemistry, 2010, 53, 7271-7279.	2.9	37
16	Development of a Sustainable Catalytic Ester Amidation Process. ACS Sustainable Chemistry and Engineering, 2013, 1, 1339-1344.	3.2	37
17	A novel series of positive modulators of the AMPA receptor: Discovery and structure based hit-to-lead studies. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5753-5756.	1.0	36
18	Rational Design of Autotaxin Inhibitors by Structural Evolution of Endogenous Modulators. Journal of Medicinal Chemistry, 2017, 60, 2006-2017.	2.9	34

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19	Photocatalytic E â†' Z Isomerization of Î²-Ionyl Derivatives. Organic Letters, 2019, 21, 9677-9680.	2.4	33
20	Functional analysis of a novel positive allosteric modulator of AMPA receptors derived from a structure-based drug design strategy. Neuropharmacology, 2013, 64, 45-52.	2.0	31
21	Amidation of unactivated ester derivatives mediated by trifluoroethanol. Organic and Biomolecular Chemistry, 2017, 15, 3507-3518.	1.5	31
22	Structure based evolution of a novel series of positive modulators of the AMPA receptor. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 805-811.	1.0	30
23	Molar Efficiency: A Useful Metric To Gauge Relative Reaction Efficiency in Discovery Medicinal Chemistry. ACS Sustainable Chemistry and Engineering, 2014, 2, 523-532.	3.2	29
24	The Discovery of in Vivo Active Mitochondrial Branched-Chain Aminotransferase (BCATm) Inhibitors by Hybridizing Fragment and HTS Hits. Journal of Medicinal Chemistry, 2015, 58, 7140-7163.	2.9	29
25	Structureâ€"Activity Relationships of Small Molecule Autotaxin Inhibitors with a Discrete Binding Mode. Journal of Medicinal Chemistry, 2017, 60, 722-748.	2.9	29
26	A fragment-like approach to PYCR1 inhibition. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2626-2631.	1.0	28
27	A novel series of positive modulators of the AMPA receptor: Structure-based lead optimization. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6072-6075.	1.0	27
28	Amidation of Esters with Amino Alcohols Using Organobase Catalysis. Journal of Organic Chemistry, 2014, 79, 9347-9354.	1.7	27
29	Structurally Diverse Mitochondrial Branched Chain Aminotransferase (BCATm) Leads with Varying Binding Modes Identified by Fragment Screening. Journal of Medicinal Chemistry, 2016, 59, 2452-2467.	2.9	23
30	Evolution of a Novel, Orally Bioavailable Series of PI3KÎ´ Inhibitors from an Inhaled Lead for the Treatment of Respiratory Disease. Journal of Medicinal Chemistry, 2016, 59, 7239-7251.	2.9	22
31	One-Pot, Three-Step Synthesis of Cyclopropylboronic Acid Pinacol Esters from Synthetically Tractable Propargylic Silyl Ethers. Organic Letters, 2017, 19, 3891-3894.	2.4	22
32	The Nitrile Imine 1,3-Dipole. , 2020, , .		22
33	Dioxo-triazines as a novel series of cathepsin K inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1488-1490.	1.0	21
34	Dimethylisosorbide (DMI) as a Bio-Derived Solvent for Pd-Catalyzed Cross-Coupling Reactions. Synlett, 2018, 29, 2293-2297.	1.0	21
35	Surface Functionalization with Carboxylic Acids by Photochemical Microcontact Printing and Tetrazole Chemistry. Langmuir, 2018, 34, 2132-2138.	1.6	20
36	Metal-free Câ€"C bond formation via coupling of nitrile imines and boronic acids. Chemical Science, 2019, 10, 10412-10416.	3.7	19

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37	Cathepsin K inhibitors, 2000 â€“ 2004. Expert Opinion on Therapeutic Patents, 2005, 15, 33-48.	2.4	18
38	Practical synthesis of pharmaceutically relevant molecules enriched in sp³ character. Chemical Communications, 2018, 54, 46-49.	2.2	18
39	Recent advances in positive allosteric modulators of the AMPA receptor. Current Opinion in Drug Discovery & Development, 2006, 9, 571-9.	1.9	18
40	Scalable total synthesis and comprehensive structureâ€“activity relationship studies of the phytotoxin coronatine. Nature Communications, 2018, 9, 1105.	5.8	16
41	Ruthenium-Catalyzed Ester Reductions Applied to Pharmaceutical Intermediates. Organic Process Research and Development, 2020, 24, 2745-2751.	1.3	16
42	Recent Advances in the Generation of Nitrilium Betaine 1,3-Dipoles. Synthesis, 2021, 53, 2395-2407.	1.2	14
43	Regiospecific Synthesis of N2-Aryl 1,2,3-Triazoles from 2,5-Disubstituted Tetrazoles via Photochemically Generated Nitrile Imine Intermediates. Synlett, 2014, 25, 2480-2484.	1.0	12
44	Synthetic Approaches to Coronafacic Acid, Coronamic Acid, and Coronatine. Synthesis, 2016, 48, 3429-3448.	1.2	12
45	UVâ€Induced 1,3,4â€Oxadiazole Formation from 5â€Substituted Tetrazoles and Carboxylic Acids in Flow. Chemistry - A European Journal, 2020, 26, 14866-14870.	1.7	12
46	Transitionâ€Metalâ€Free Coupling of 1,3â€Dipoles and Boronic Acids as a Sustainable Approach to Câˆ’C Bond Formation. Chemistry - A European Journal, 2020, 26, 10591-10597.	1.7	12
47	Rational Design of a Novel AMPA Receptor Modulator through a Hybridization Approach. ACS Medicinal Chemistry Letters, 2015, 6, 392-396.	1.3	10
48	Identification of a novel class of autotaxin inhibitors through cross-screening. MedChemComm, 2015, 6, 1149-1155.	3.5	7
49	A Multicomponent Route to Functionalized Amides and Oxazolidinones. Organic Letters, 2017, 19, 6736-6739.	2.4	7
50	One-Pot Suzuki-Hydrogenolysis Protocol for the Modular Synthesis of 2,5-Diaryltetrazoles. Journal of Organic Chemistry, 2020, 85, 7413-7423.	1.7	7
51	A type <scp>IV</scp> Autotaxin inhibitor ameliorates acute liver injury and nonalcoholic steatohepatitis. EMBO Molecular Medicine, 2022, 14, .	3.3	7
52	Structure-Based Design of a Novel Class of Autotaxin Inhibitors Based on Endogenous Allosteric Modulators. Journal of Medicinal Chemistry, 2022, 65, 6338-6351.	2.9	6
53	Palladium-Catalyzed Synthesis of Aryl Amides through Silanoate-Mediated Hydrolysis of Nitriles. Synlett, 2015, 27, 88-92.	1.0	5
54	Atom Efficient Synthesis of Selectively Difluorinated Carbocycles through a Gold(I)-Catalyzed Cyclization. Journal of Organic Chemistry, 2018, 83, 8888-8905.	1.7	5

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55	Amide Bond Formation via the Rearrangement of Nitrile Imines Derived from N-2-Nitrophenyl Hydrazonyl Bromides. Organic Letters, 2022, 24, 334-338.	2.4	5
56	A reappraisal of the Ni-[(Benzylprolyl)amino]benzophenone complex in the synthesis of Î±,Î±-disubstituted amino acid derivatives. Tetrahedron, 2019, 75, 130485.	1.0	3
57	Design and Development of a Macrocyclic Series Targeting Phosphoinositide 3-Kinase Î´. ACS Medicinal Chemistry Letters, 2020, 11, 1386-1391.	1.3	2
58	The Reactivity of Nitrile Imines. , 2020, , 37-97.		2
59	Design, synthesis and evaluation of E2â€25K derived stapled peptides. Peptide Science, 2021, 113, e24158.	1.0	1
60	Applications of Nitrile Imine Derivatives. , 2020, , 99-150.		0