Allan J B Watson

List of Publications by Year
in descending order

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77 papers	3,173 citations	159358 30 h-index	168136 53 g-index
89 all docs	89 docs citations	89 times ranked	3548 citing authors

#	Article	IF	Citations
1	Recent Developments in Organoboron Chemistry: Old Dogs, New Tricks. CheM, 2017, 3, 31-55.	5.8	424
2	Mechanistic Development and Recent Applications of the Chanâ€“Lam Amination. Chemical Reviews, 2019, 119, 12491-12523.	23.0	276
3	Spectroscopic Studies of the Chanâ€“Lam Amination: A Mechanism-Inspired Solution to Boronic Ester Reactivity. Journal of the American Chemical Society, 2017, 139, 4769-4779.	6.6	264
4	Evaluation of alternative solvents in common amide coupling reactions: replacement of dichloromethane and N,N-dimethylformamide. Green Chemistry, 2013, 15, 596.	4.6	118
5	Contraâ€Thermodynamic, Photocatalytic Eâ†’Z Isomerization of Styrenyl Boron Species: Vectors to Facilitate Exploration of Twoâ€Dimensional Chemical Space. Angewandte Chemie - International Edition, 2018, 57, 3168-3172.	7.2	109
6	Chanâ€“Evansâ€“Lam Amination of Boronic Acid Pinacol (BPin) Esters: Overcoming the Aryl Amine Problem. Journal of Organic Chemistry, 2016, 81, 3942-3950.	1.7	106
7	Discovery of Tetrahydroquinoxalines as Bromodomain and Extra-Terminal Domain (BET) Inhibitors with Selectivity for the Second Bromodomain. Journal of Medicinal Chemistry, 2018, 61, 4317-4334.	2.9	94
8	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
9	Development of a solvent selection guide for aldehyde-based direct reductive amination processes. Green Chemistry, 2013, 15, 1159.	4.6	59
10	Development of Autotaxin Inhibitors: An Overview of the Patent and Primary Literature. Journal of Medicinal Chemistry, 2016, 59, 5604-5621.	2.9	59
11	Chemoselective oxidation of aryl organoboron systems enabled by boronic acid-selective phase transfer. Chemical Science, 2017, 8, 1551-1559.	3.7	59
12	Cyrene as a bio-based solvent for HATU mediated amide coupling. Organic and Biomolecular Chemistry, 2018, 16, 2851-2854.	1.5	59
13	Mechanistic Insight Enables Practical, Scalable, Room Temperature Chanâ€“Lam N-Arylation of N-Aryl Sulfonamides. ACS Catalysis, 2018, 8, 9560-9566.	5.5	57
14	GSK6853, a Chemical Probe for Inhibition of the BRPF1 Bromodomain. ACS Medicinal Chemistry Letters, 2016, 7, 552-557.	1.3	54
15	Cyrene as a Bio-Based Solvent for the Suzukiâ€“Miyaura Cross-Coupling. Synlett, 2018, 29, 650-654.	1.0	53
16	Catalytic amidation of unactivated ester derivatives mediated by trifluoroethanol. Chemical Communications, 2015, 51, 9495-9498.	2.2	51
17	Chemoselective Suzukiâ€“Miyaura Crossâ€Coupling via Kinetic Transmetallation. Angewandte Chemie - International Edition, 2017, 56, 1249-1253.	7.2	51
18	Chemoselective Boronic Ester Synthesis by Controlled Speciation. Angewandte Chemie - International Edition, 2014, 53, 12077-12080.	7.2	50

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19	Tandem Chemoselective Suzukiâ€“Miyaura Crossâ€Coupling Enabled by Nucleophile Speciation Control. Angewandte Chemie - International Edition, 2015, 54, 9976-9979.	7.2	50
20	Speciation Control During Suzukiâ€“Miyaura Crossâ€Coupling of Haloaryl and Haloalkenyl MIDA Boronic Esters. Chemistry - A European Journal, 2015, 21, 8951-8964.	1.7	47
21	Interrogating Pd(II) Anion Metathesis Using a Bifunctional Chemical Probe: A Transmetalation Switch. Journal of the American Chemical Society, 2018, 140, 126-130.	6.6	44
22	Catalytic Enantioselective Synthesis of Î±â€Chiral Azaheteroaryl Ethylamines by Asymmetric Protonation. Angewandte Chemie - International Edition, 2018, 57, 11374-11377.	7.2	44
23	Replacement of dichloromethane within chromatographic purification: a guide to alternative solvents. Green Chemistry, 2012, 14, 3016.	4.6	41
24	Emergence of Small-Molecule Non-RGD-Mimetic Inhibitors for RGD Integrins. Journal of Medicinal Chemistry, 2017, 60, 3241-3251.	2.9	40
25	Development of a Sustainable Catalytic Ester Amidation Process. ACS Sustainable Chemistry and Engineering, 2013, 1, 1339-1344.	3.2	37
26	Contraâ€Thermodynamic, Photocatalytic Eâ†'Z Isomerization of Styrenyl Boron Species: Vectors to Facilitate Exploration of Twoâ€Dimensional Chemical Space. Angewandte Chemie, 2018, 130, 3222-3226.	1.6	36
27	One-Pot Homologation of Boronic Acids: A Platform for Diversity-Oriented Synthesis. Organic Letters, 2015, 17, 6030-6033.	2.4	34
28	Rational Design of Autotaxin Inhibitors by Structural Evolution of Endogenous Modulators. Journal of Medicinal Chemistry, 2017, 60, 2006-2017.	2.9	34
29	Biocatalytic Synthesis of Chiral Nâ€Functionalized Amino Acids. Angewandte Chemie - International Edition, 2018, 57, 13821-13824.	7.2	34
30	Determining the Origin of Rateâ€Independent Chemoselectivity in CuAAC Reactions: An Alkyneâ€Specific Shift in Rateâ€Determining Step. Angewandte Chemie - International Edition, 2017, 56, 3314-3318.	7.2	32
31	Amidation of unactivated ester derivatives mediated by trifluoroethanol. Organic and Biomolecular Chemistry, 2017, 15, 3507-3518.	1.5	31
32	Mechanism of Cu-Catalyzed Aryl Boronic Acid Halodeboronation Using Electrophilic Halogen: Development of a Base-Catalyzed Iododeboronation for Radiolabeling Applications. Organic Letters, 2019, 21, 2488-2492.	2.4	31
33	A flow platform for degradation-free CuAAC bioconjugation. Nature Communications, 2018, 9, 4021.	5.8	30
34	Structureâ€“Activity Relationships of Small Molecule Autotaxin Inhibitors with a Discrete Binding Mode. Journal of Medicinal Chemistry, 2017, 60, 722-748.	2.9	29
35	N-Alkyl-Î±-amino acids in Nature and their biocatalytic preparation. Journal of Biotechnology, 2019, 293, 56-65.	1.9	28
36	Amidation of Esters with Amino Alcohols Using Organobase Catalysis. Journal of Organic Chemistry, 2014, 79, 9347-9354.	1.7	27

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37	Ni vs. Pd in Suzukiâ€“Miyaura sp²â€“sp² cross-coupling: a head-to-head study in a comparable precatalyst/ligand system. Organic and Biomolecular Chemistry, 2019, 17, 5055-5059.	1.5	26
38	Chemoselective Sequential Click Ligations Directed by Enhanced Reactivity of an Aromatic Ynamine. Organic Letters, 2016, 18, 1694-1697.	2.4	25
39	Synthesis of 2-BMIDA 6,5-bicyclic heterocycles by Cu(<scp>i</scp>)/Pd(0)/Cu(<scp>ii</scp>) cascade catalysis of 2-iodoaniline/phenols. Chemical Communications, 2016, 52, 8703-8706.	2.2	24
40	A modular synthesis of functionalised phenols enabled by controlled boron speciation. Organic and Biomolecular Chemistry, 2015, 13, 3093-3102.	1.5	23
41	Deoxyfluorination with CuF₂: Enabled by Using a Lewis Base Activating Group. Angewandte Chemie - International Edition, 2020, 59, 8460-8463.	7.2	22
42	Strategies towards Chemoselective Suzukiâ€“Miyaura Cross-Coupling. Synlett, 2015, 26, 1139-1144.	1.0	21
43	Dimethylisosorbide (DMI) as a Bio-Derived Solvent for Pd-Catalyzed Cross-Coupling Reactions. Synlett, 2018, 29, 2293-2297.	1.0	21
44	Chemoselective One-Pot Synthesis of Functionalized Amino-azaheterocycles Enabled by COware. Organic Letters, 2017, 19, 6368-6371.	2.4	18
45	Practical synthesis of pharmaceutically relevant molecules enriched in sp³ character. Chemical Communications, 2018, 54, 46-49.	2.2	18
46	Catalytic Enantioselective Synthesis of Heterocyclic Vicinal Fluoroamines by Using Asymmetric Protonation: Method Development and Mechanistic Study. Chemistry - A European Journal, 2020, 26, 12249-12255.	1.7	18
47	Strategy for Conditional Orthogonal Sequential CuAAC Reactions Using a Protected Aromatic Ynamine. Journal of Organic Chemistry, 2017, 82, 5461-5468.	1.7	17
48	First experimental evidence for a bis-ethene chromium(I) complex forming from an activated ethene oligomerization catalyst. Science Advances, 2020, 6, .	4.7	17
49	Asymmetric Rhodium-Catalysed Addition of Arylboronic Acids to Acyclic Unsaturated Esters Containing a Basic Î³-Amino Group. Synlett, 2012, 23, 2817-2821.	1.0	16
50	Scalable total synthesis and comprehensive structureâ€“activity relationship studies of the phytotoxin coronatine. Nature Communications, 2018, 9, 1105.	5.8	16
51	Connecting the Dots: Method Development Using Sustainable Solvents. CheM, 2017, 3, 365-368.	5.8	15
52	Modular, Step-Efficient Palladium-Catalyzed Cross-Coupling Strategy To Access C6-Heteroaryl 2-Aminopurine Ribonucleosides. Organic Letters, 2017, 19, 3759-3762.	2.4	14
53	Biocatalytic Synthesis of Chiral Nâ€Functionalized Amino Acids. Angewandte Chemie, 2018, 130, 14017-14020.	1.6	14
54	A Cascade Suzukiâ€“Miyaura/Dielsâ€“Alder Protocol: Exploring the Bifunctional Utility of Vinyl Bpin. Synlett, 2019, 30, 787-791.	1.0	14

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55	Synthetic Approaches to Coronafacic Acid, Coronamic Acid, and Coronatine. Synthesis, 2016, 48, 3429-3448.	1.2	12
56	Catalytic Enantioselective Synthesis of Î±â€Chiral Azaheteroaryl Ethylamines by Asymmetric Protonation. Angewandte Chemie, 2018, 130, 11544-11547.	1.6	12
57	Determining the Origin of Rateâ€Independent Chemoselectivity in CuAAC Reactions: An Alkyneâ€Specific Shift in Rateâ€Determining Step. Angewandte Chemie, 2017, 129, 3362-3366.	1.6	11
58	Discovery, Scope, and Limitations of an Nâ€Dealkylation/Nâ€Arylation of Secondary Sulfonamides under Chanâ^'Lam Conditions. Asian Journal of Organic Chemistry, 2020, 9, 364-367.	1.3	11
59	Cu(OTf)₂â€Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. Angewandte Chemie - International Edition, 2021, 60, 7935-7940.	7.2	11
60	B-Protected Boronic Acids: Methodology Development and Strategic Application. ACS Symposium Series, 2016, , 379-413.	0.5	8
61	Synthesis of 2-BMIDA Indoles via Heteroannulation: Applications in Drug Scaffold and Natural Product Synthesis. Organic Letters, 2022, 24, 3024-3027.	2.4	8
62	Identification of a novel class of autotaxin inhibitors through cross-screening. MedChemComm, 2015, 6, 1149-1155.	3.5	7
63	Chemoselective Suzukiâ€“Miyaura Crossâ€Coupling via Kinetic Transmetallation. Angewandte Chemie, 2017, 129, 1269-1273.	1.6	7
64	A Multicomponent Route to Functionalized Amides and Oxazolidinones. Organic Letters, 2017, 19, 6736-6739.	2.4	7
65	A one-pot tandem chemoselective allylation/cross-coupling via temperature control of a multi-nucleophile/electrophile system. Chemical Communications, 2017, 53, 9139-9142.	2.2	6
66	Deoxyfluorination with CuF 2 : Enabled by Using a Lewis Base Activating Group. Angewandte Chemie, 2020, 132, 8538-8541.	1.6	6
67	In Vivo Half-Life Extension of BMP1/TLL Metalloproteinase Inhibitors Using Small-Molecule Human Serum Albumin Binders. Bioconjugate Chemistry, 2021, 32, 279-289.	1.8	4
68	Asymmetric Synthesis of Heterocyclic Chloroamines and Aziridines by Enantioselective Protonation of Catalytically Generated Enamines**. Chemistry - A European Journal, 2022, 28, .	1.7	4
69	The Problem with Problems: Fundamental to Applied Research Using Palladium. Synlett, 2020, 31, 1244-1258.	1.0	2
70	Direct, Lateâ€Stage Monoâ€N â€arylation of Pentamidine: Method Development, Mechanistic Insight, and Expedient Access to Novel Antiparastitics against Diamidineâ€Resistant Parasites. ChemMedChem, 2021, 16, 3396-3401.	1.6	2
71	An Alternative Synthesis of Cycloalkylâ€Substituted CPA Catalysts and Application in Asymmetric Protonation Reactions**. European Journal of Organic Chemistry, 2021, 2021, 4943-4945.	1.2	2
72	Highlights from the 51st EUCHEM conference on stereochemistry, BÃ¼rgenstock, Switzerland, May 2016. Chemical Communications, 2016, 52, 9173-9177.	2.2	0

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73	When two reactions become one. Science, 2016, 351, 26-27.	6.0	0
74	Conventional and Bioinspired Syntheses of Monoterpene Indole Alkaloids. Studies in Natural Products Chemistry, 2018, 55, 1-29.	0.8	0
75	Cu(OTf) 2 â€Mediated Crossâ€Coupling of Nitriles and Nâ€Heterocycles with Arylboronic Acids to Generate Nitrilium and Pyridinium Products**. Angewandte Chemie, 2021, 133, 8014-8019.	1.6	0
76	Four-Membered Rings With One Boron or Other Atom. , 2021, , 385-385.		0
77	Boron Complexes in Organic Synthesis. , 2021, , .		0