

Marc Reid

List of Publications by Year in descending order

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42
papers

2,195
citations

430442

18
h-index

360668

35
g-index

52
all docs

52
docs citations

52
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	Deuterium- and Tritium-Labelled Compounds: Applications in the Life Sciences. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1758-1784.	7.2	488
2	C ¹³ H Functionalisation for Hydrogen Isotope Exchange. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3022-3047.	7.2	342
3	Base-Catalyzed Aryl-B(OH) ₂ Protodeboronation Revisited: From Concerted Proton Transfer to Liberation of a Transient Aryl Anion. <i>Journal of the American Chemical Society</i> , 2017, 139, 13156-13165.	6.6	214
4	Iridium-Catalyzed C-H Activation and Deuteration of Primary Sulfonamides: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2015, 5, 402-410.	5.5	121
5	The Synthesis of Highly Active Iridium(I) Complexes and their Application in Catalytic Hydrogen Isotope Exchange. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3551-3562.	2.1	107
6	Deuterium- und tritiummarkierte Verbindungen: Anwendungen in den modernen Biowissenschaften. <i>Angewandte Chemie</i> , 2018, 130, 1774-1802.	1.6	104
7	Iridium-Catalyzed Formyl-Selective Deuteration of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7808-7812.	7.2	81
8	Methoden der C-H-Funktionalisierung für den Wasserstoffisotopenaustausch. <i>Angewandte Chemie</i> , 2018, 130, 3074-3101.	1.6	73
9	Iridium-catalysed ortho-H/D and -H/T exchange under basic conditions: C-H activation of unprotected tetrazoles. <i>Chemical Communications</i> , 2016, 52, 6669-6672.	2.2	72
10	Site-Selective Deuteration of <i>N</i> -Heterocycles via Iridium-Catalyzed Hydrogen Isotope Exchange. <i>ACS Catalysis</i> , 2017, 7, 7182-7186.	5.5	71
11	Expanded applicability of iridium(I) NHC/phosphine catalysts in hydrogen isotope exchange processes with pharmaceutically-relevant heterocycles. <i>Tetrahedron</i> , 2015, 71, 1924-1929.	1.0	68
12	Anion-Initiated Trifluoromethylation by TMSCF ₃ : Deconvolution of the Silicate-Carbanion Dichotomy by Stopped-Flow NMR/IR. <i>Journal of the American Chemical Society</i> , 2018, 140, 11112-11124.	6.6	63
13	Iridium-Catalyzed Csp ³ -H Activation for Mild and Selective Hydrogen Isotope Exchange. <i>ACS Catalysis</i> , 2018, 8, 10895-10900.	5.5	62
14	Anion effects to deliver enhanced iridium catalysts for hydrogen isotope exchange processes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7927-7931.	1.5	46
15	Application of neutral iridium(I) <i>N</i> -heterocyclic carbene complexes in <i>ortho</i> -directed hydrogen isotope exchange. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 451-454.	0.5	43
16	Iridium-Catalysed <i>ortho</i> -Directed Deuterium Labelling of Aromatic Esters—An Experimental and Theoretical Study on Directing Group Chemoselectivity. <i>Molecules</i> , 2015, 20, 11676-11698.	1.7	30
17	Hydrogen isotope exchange with highly active iridium(I) NHC/phosphine complexes: a comparative counterion study. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 601-603.	0.5	24
18	Iridium-Catalyzed Formyl-Selective Deuteration of Aldehydes. <i>Angewandte Chemie</i> , 2017, 129, 7916-7920.	1.6	22

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19	Stereoselective Remote Functionalization via Palladium-Catalyzed Redox-Relay Heck Methodologies. <i>Chemistry - A European Journal</i> , 2021, 27, 158-174.	1.7	21
20	Computationally-Guided Development of a Chelated NHC-P Iridium(I) Complex for the Directed Hydrogen Isotope Exchange of Aryl Sulfones. <i>ACS Catalysis</i> , 2020, 10, 11120-11126.	5.5	20
21	Charting a course for chemistry. <i>Nature Chemistry</i> , 2019, 11, 286-294.	6.6	18
22	A Mechanistic and Cautionary Case Study on the Use of Alternating Potential in Electrochemical Reactions. <i>ChemElectroChem</i> , 2020, 7, 2771-2776.	1.7	17
23	The Piper Alpha Disaster: A Personal Perspective with Transferrable Lessons on the Long-Term Moral Impact of Safety Failures. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 88-95.	1.1	15
24	A Transferable Psychological Evaluation of Virtual Reality Applied to Safety Training in Chemical Manufacturing. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 55-65.	1.1	15
25	Trialkylammonium salt degradation: implications for methylation and cross-coupling. <i>Chemical Science</i> , 2021, 12, 6949-6963.	3.7	12
26	Electrochemical Synthesis of Isoxazolines: Method and Mechanism. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	12
27	Catalyst design in C-H activation: a case study in the use of binding free energies to rationalise intramolecular directing group selectivity in iridium catalysis. <i>Chemical Science</i> , 2021, 12, 6747-6755.	3.7	9
28	The Natural Product Lepidiline A as an N-Heterocyclic Carbene Ligand Precursor in Complexes of the Catalysis. <i>Catalysts</i> , 2020, 10, 161.	1.6	6
29	Safety Highlights. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 71-72.	1.1	5
30	Iridium Catalysts for Hydrogen Isotope Exchange. <i>Topics in Organometallic Chemistry</i> , 2020, , 271-302.	0.7	4
31	Highlights: Reusing Masks, Face Covering Efficacy, Plant Restarts, and More. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 204-208.	1.1	2
32	Highlights: Correlating Molecular Structures to Physical Properties, Ammonium Nitrate in the News, Tools and Databases, and More. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 263-266.	1.1	1
33	Highlights: Safety Culture Conversations, Anaphylaxis Induced by Peptide Coupling Agents, Biological Safety Cabinet Explosion in a Biochemistry Laboratory, and More. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 150-152.	1.1	1
34	Highlights: Ergonomics, Chemical Generators and Continuous Flow Processes, Chemical Plant Fire, and More. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 229-231.	1.1	1
35	Highlights: EPA Plan for Pet Incident Reporting, Reproductive Health, and Industry Park Explosion. <i>Journal of Chemical Health and Safety</i> , 2021, 28, 295-296.	1.1	1
36	Safety Highlights. <i>Journal of Chemical Health and Safety</i> , 2020, 27, 148-149.	1.1	0

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37	Safety Highlights. Journal of Chemical Health and Safety, 2020, 27, 86-87.	1.1	0
38	Highlights: Multilingual Safety Resources, Pd-Catalyzed Cross-Coupling Reactions, Ethylene Glycol Purification, and More. Journal of Chemical Health and Safety, 2020, 27, 313-315.	1.1	0
39	Highlights: Risk Index Sites, Chemical Safety Library, Diazo Compounds, New Guidance on Learning from Adverse Events, and More. Journal of Chemical Health and Safety, 2021, 28, 70-72.	1.1	0
40	A letter on rejection to my younger self. Nature Reviews Chemistry, 2021, 5, 363-364.	13.8	0
41	Highlights: Safety Blogs, Alane Reduction, Postlockdown Process Safety Concerns, and More. Journal of Chemical Health and Safety, 2021, 28, 10-13.	1.1	0
42	A New Course, Double Gloving, Diethyl Ether Triggers Explosion, and More. Journal of Chemical Health and Safety, 2021, 28, 391-393.	1.1	0