

David R Stuart

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,664
citations

411340

20
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536525

29
g-index

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all docs

33
docs citations

33
times ranked

3850
citing authors

#	ARTICLE	IF	CITATIONS
1	Refining boron-iodane exchange to access versatile arylation reagents. <i>Chemical Communications</i> , 2022, 58, 1211-1214.	2.2	3
2	Parameterization of Arynophiles: Experimental Investigations towards a Quantitative Understanding of Aryne Trapping Reactions. <i>Synthesis</i> , 2022, 54, 4989-4996.	1.2	3
3	Orbital analysis of bonding in diaryliodonium salts and relevance to periodic trends in structure and reactivity. <i>Chemical Science</i> , 2022, 13, 6532-6540.	3.7	14
4	Regioselective Synthesis of 1,2,3,4-Tetrasubstituted Arenes by Vicinal Functionalization of Arynes Derived from Aryl(Mes)iodonium Salts**. <i>Chemistry - A European Journal</i> , 2021, 27, 7168-7175.	1.7	21
5	Aryl(TMP)iodonium Tosylate Reagents as a Strategic Entry Point to Diverse Aryl Intermediates: Selective Access to Arynes. <i>Organic Letters</i> , 2021, 23, 4813-4817.	2.4	22
6	New Scalable Synthetic Routes to <i>ELQ-300</i> , <i>ELQ-316</i> , and Other Antiparasitic Quinolones. <i>Organic Process Research and Development</i> , 2021, 25, 1841-1852.	1.3	10
7	Trimethoxyphenyl (TMP) as a Useful Auxiliary for <i>in situ</i> Formation and Reaction of Aryl(TMP)iodonium Salts: Synthesis of Diaryl Ethers. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 320-325.	2.1	27
8	Analysis of Benzenoid Substitution Patterns in Small Molecule Active Pharmaceutical Ingredients. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13389-13396.	2.9	51
9	Anion Metathesis of Diaryliodonium Tosylate Salts with a Solid-Phase Column Constructed from Readily Available Laboratory Consumables. <i>Organic Process Research and Development</i> , 2019, 23, 1269-1274.	1.3	6
10	Imide arylation with aryl(TMP)iodonium tosylates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1034-1038.	1.3	20
11	Synthesis of Aryl(2,4,6-trimethoxyphenyl)iodonium Trifluoroacetate Salts. <i>Journal of Organic Chemistry</i> , 2017, 82, 1279-1284.	1.7	43
12	Unsymmetrical Diaryliodonium Salts as Aryne Synthons: Renaissance of a C-H Deprotonative Approach to Arynes. <i>Synlett</i> , 2017, 28, 275-279.	1.0	28
13	Aryl Transfer Selectivity in Metal-Free Reactions of Unsymmetrical Diaryliodonium Salts. <i>Chemistry - A European Journal</i> , 2017, 23, 15852-15863.	1.7	112
14	An Admix Approach To Determine Counter Anion Effects on Metal-Free Arylation Reactions with Diaryliodonium Salts. <i>Journal of Organic Chemistry</i> , 2017, 82, 11765-11771.	1.7	29
15	Frontispiece: Aryl Transfer Selectivity in Metal-Free Reactions of Unsymmetrical Diaryliodonium Salts. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
16	A Selective C-H Deprotonation Strategy to Access Functionalized Arynes by Using Hypervalent Iodine. <i>Angewandte Chemie</i> , 2016, 128, 8571-8574.	1.6	13
17	A Selective C-H Deprotonation Strategy to Access Functionalized Arynes by Using Hypervalent Iodine. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8431-8434.	7.2	92
18	Metal-Free Synthesis of Aryl Amines: Beyond Nucleophilic Aromatic Substitution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15812-15815.	7.2	86

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19	Metal-free Synthesis of Aryl Amines: Beyond Nucleophilic Aromatic Substitution. <i>Angewandte Chemie</i> , 2016, 128, 16044-16047.	1.6	28
20	Unsymmetrical Aryl(2,4,6-trimethoxyphenyl)iodonium Salts: One-Pot Synthesis, Scope, Stability, and Synthetic Studies. <i>Journal of Organic Chemistry</i> , 2016, 81, 1998-2009.	1.7	95
21	Base Mediated Synthesis of Alkyl-aryl Ethers from the Reaction of Aliphatic Alcohols and Unsymmetric Diaryliodonium Salts. <i>Journal of Organic Chemistry</i> , 2015, 80, 6456-6466.	1.7	54
22	Carbazole-bis(oxazolines) as Monoanionic, Tridentate Chelates in Lanthanide Chemistry: Synthesis and Structural Studies of Thermally Robust and Kinetically Stable Dialkyl and Dichloride Complexes.. <i>Organometallics</i> , 2011, 30, 4958-4967.	1.1	24
23	Mechanistic Analysis of Azine <i>N</i> -Oxide Direct Arylation: Evidence for a Critical Role of Acetate in the Pd(OAc) ₂ Precatalyst. <i>Journal of Organic Chemistry</i> , 2010, 75, 8180-8189.	1.7	203
24	Rhodium(III)-Catalyzed Arene and Alkene C-H Bond Functionalization Leading to Indoles and Pyrroles. <i>Journal of the American Chemical Society</i> , 2010, 132, 18326-18339.	6.6	637
25	Palladium-Catalyzed Direct Arylation of Azine and Azole <i>N</i> -Oxides: Reaction Development, Scope and Applications in Synthesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 3291-3306.	6.6	392
26	Indole Synthesis via Rhodium Catalyzed Oxidative Coupling of Acetanilides and Internal Alkynes. <i>Journal of the American Chemical Society</i> , 2008, 130, 16474-16475.	6.6	690
27	Intramolecular Pd(II)-Catalyzed Oxidative Biaryl Synthesis Under Air: Reaction Development and Scope. <i>Journal of Organic Chemistry</i> , 2008, 73, 5022-5028.	1.7	360
28	The Catalytic Cross-Coupling of Unactivated Arenes. <i>Science</i> , 2007, 316, 1172-1175.	6.0	985
29	Elements of Regiocontrol in Palladium-Catalyzed Oxidative Arene Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2007, 129, 12072-12073.	6.6	576
30	Solvent Effects on Hydrogen Abstraction Reactions from Lactones with Antioxidant Properties. <i>Organic Letters</i> , 2005, 7, 3665-3668.	2.4	38