

David R Stuart

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,664
citations

361045

20
h-index

476904

29
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33
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33
docs citations

33
times ranked

3476
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Catalytic Cross-Coupling of Unactivated Arenes. <i>Science</i> , 2007, 316, 1172-1175. | 6.0 | 985 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Aryl Transfer Selectivity in Metal-Free Reactions of Unsymmetrical Diaryliodonium Salts. <i>Chemistry - A European Journal</i> , 2017, 23, 15852-15863. | 1.7 | 112 |
| 9 | 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 |
| 10 | 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 |
| 11 | Metal-Free Synthesis of Aryl Amines: Beyond Nucleophilic Aromatic Substitution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15812-15815. | 7.2 | 86 |
| 12 | 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 |
| 13 | Analysis of Benzenoid Substitution Patterns in Small Molecule Active Pharmaceutical Ingredients. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13389-13396. | 2.9 | 51 |
| 14 | Synthesis of Aryl(2,4,6-trimethoxyphenyl)iodonium Trifluoroacetate Salts. <i>Journal of Organic Chemistry</i> , 2017, 82, 1279-1284. | 1.7 | 43 |
| 15 | Solvent Effects on Hydrogen Abstraction Reactions from Lactones with Antioxidant Properties. <i>Organic Letters</i> , 2005, 7, 3665-3668. | 2.4 | 38 |
| 16 | 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 |
| 17 | Metal-Free Synthesis of Aryl Amines: Beyond Nucleophilic Aromatic Substitution. <i>Angewandte Chemie</i> , 2016, 128, 16044-16047. | 1.6 | 28 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Imide arylation with aryl(TMP)iodonium tosylates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1034-1038. | 1.3 | 20 |
| 24 | Orbital analysis of bonding in diarylhalonium salts and relevance to periodic trends in structure and reactivity. <i>Chemical Science</i> , 2022, 13, 6532-6540. | 3.7 | 14 |
| 25 | 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 |
| 26 | New Scalable Synthetic Routes to ELQ-300 , ELQ-316 , and Other Antiparasitic Quinolones. <i>Organic Process Research and Development</i> , 2021, 25, 1841-1852. | 1.3 | 10 |
| 27 | 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 |
| 28 | Refining boron-iodane exchange to access versatile arylation reagents. <i>Chemical Communications</i> , 2022, 58, 1211-1214. | 2.2 | 3 |
| 29 | Parameterization of Arynophiles: Experimental Investigations towards a Quantitative Understanding of Aryne Trapping Reactions. <i>Synthesis</i> , 2022, 54, 4989-4996. | 1.2 | 3 |
| 30 | Frontispiece: Aryl Transfer Selectivity in Metal-Free Reactions of Unsymmetrical Diaryliodonium Salts. <i>Chemistry - A European Journal</i> , 2017, 23, . | 1.7 | 0 |