

Thomas Knauber

List of Publications by Year in descending order

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17
papers

3,189
citations

516561

16
h-index

839398

18
g-index

19
all docs

19
docs citations

19
times ranked

3227
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cross-Dehydrogenative Coupling of C-H Bonds: A Versatile Strategy for C-C Bond Formations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 74-100.	7.2	1,669
2	Copper-Catalyzed Trifluoromethylation of Aryl Iodides with Potassium (Trifluoromethyl)trimethoxyborate. <i>Chemistry - A European Journal</i> , 2011, 17, 2689-2697.	1.7	254
3	Palladium/Copper-Catalyzed Decarboxylative Cross-Coupling of Aryl Chlorides with Potassium Carboxylates. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7103-7106.	7.2	253
4	Pd-Catalyzed Synthesis of Aryl Amines via Oxidative Aromatization of Cyclic Ketones and Amines with Molecular Oxygen. <i>Organic Letters</i> , 2012, 14, 5606-5609.	2.4	132
5	Photons as a 21st century reagent. <i>Nature Communications</i> , 2020, 11, 804.	5.8	124
6	Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. <i>Journal of the American Chemical Society</i> , 2020, 142, 9181-9187.	6.6	120
7	Decarboxylative Cross-Coupling of Mesylates Catalyzed by Copper/Palladium Systems with Customized Imidazolyl Phosphine Ligands. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2954-2958.	7.2	102
8	Employing Photoredox Catalysis for DNA-Encoded Chemistry: Decarboxylative Alkylation of α -Amino Acids. <i>ChemMedChem</i> , 2018, 13, 2159-2165.	1.6	86
9	On-DNA Decarboxylative Arylation: Merging Photoredox with Nickel Catalysis in Water. <i>ACS Combinatorial Science</i> , 2019, 21, 588-597.	3.8	72
10	A Unified Approach to Decarboxylative Halogenation of (Hetero)aryl Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 8296-8305.	6.6	67
11	Regioselective Cross-Electrophile Coupling of Epoxides and (Hetero)aryl Iodides via Ni/Ti/Photoredox Catalysis. <i>ACS Catalysis</i> , 2020, 10, 5821-5827.	5.5	64
12	Concise Synthesis of Telmisartan via Decarboxylative Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2008, 73, 8631-8634.	1.7	63
13	Ru/Ni Dual Catalytic Desulfinate Photoredox C ₂ -C ₃ Cross-Coupling of Alkyl Sulfinates and Aryl Halides. <i>Organic Letters</i> , 2017, 19, 6566-6569.	2.4	63
14	Decarboxylative Borylation and Cross-Coupling of (Hetero)aryl Acids Enabled by Copper Charge Transfer Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 6163-6172.	6.6	53
15	Pd-catalyzed decarboxylative Heck vinylation of 2-nitrobenzoates in the presence of CuF ₂ . <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 43.	1.3	30
16	Palladium Catalyzed Monoselective α -Arylation of Sulfones and Sulfonamides with 2,2,6,6-Tetramethylpiperidine-ZnCl ₂ -LiCl Base and Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2016, 81, 5636-5648.	1.7	20
17	Palladium-catalyzed 1,4-addition of terminal alkynes to acrolein. <i>Tetrahedron</i> , 2015, 71, 5866-5870.	1.0	7