

Indrek Kalvet

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,263
citations

361413

20
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

2059
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Studies of Synthetically Relevant Homogeneous Organometallic Catalysis Involving Ni, Pd, Ir, and Rh: An Overview of Commonly Employed DFT Methods and Mechanistic Insights. <i>Chemical Reviews</i> , 2015, 115, 9532-9586.	47.7	479
2	Fundamental Studies and Development of Nickel-Catalyzed Trifluoromethylthiolation of Aryl Chlorides: Active Catalytic Species and Key Roles of Ligand and Traceless MeCN Additive Revealed. <i>Journal of the American Chemical Society</i> , 2015, 137, 4164-4172.	13.7	252
3	Trifluoromethylthiolation of Aryl Iodides and Bromides Enabled by a Bench-Stable and Easy-to-Recover Dinuclear Palladium(I) Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6809-6813.	13.8	169
4	Direct α -alkylation of primary aliphatic amines enabled by CO ₂ and electrostatics. <i>Nature Chemistry</i> , 2018, 10, 1037-1041.	13.6	160
5	Lewis Acid Assisted Nickel-Catalyzed Cross-Coupling of Aryl Methyl Ethers by C-O Bond-Cleaving Alkylation: Prevention of Undesired β -Hydride Elimination. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6093-6098.	13.8	136
6	Rapid Room-Temperature, Chemoselective C-C Coupling of Poly(pseudo)halogenated Arenes Enabled by Palladium(I) Catalysis in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1581-1585.	13.8	119
7	When Weaker Can Be Tougher: The Role of Oxidation State (I) in P- vs N-Ligand-Derived Ni-Catalyzed Trifluoromethylthiolation of Aryl Halides. <i>ACS Catalysis</i> , 2017, 7, 2126-2132.	11.2	100
8	Palladium(I) Dimer Enabled Extremely Rapid and Chemoselective Alkylation of Aryl Bromides over Triflates and Chlorides in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7078-7082.	13.8	99
9	Divergent Reactivity of a Dinuclear (NHC)Nickel(I) Catalyst versus Nickel(0) Enables Chemoselective Trifluoromethylselenolation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13431-13435.	13.8	93
10	Mild and selective base-free C-H arylation of heteroarenes: experiment and computation. <i>Chemical Science</i> , 2017, 8, 1046-1055.	7.4	91
11	Nickel-catalyzed trifluoromethylthiolation of Csp ² -O bonds. <i>Chemical Science</i> , 2016, 7, 1076-1081.	7.4	89
12	Rapid Room-Temperature, Chemoselective C-C Coupling of Poly(pseudo)halogenated Arenes Enabled by Palladium(I) Catalysis in Air. <i>Angewandte Chemie</i> , 2017, 129, 1603-1607.	2.0	61
13	Site-Selective, Modular Diversification of Polyhalogenated Aryl Fluorosulfates (ArOSO ₂ F) Enabled by an Air-Stable Pd I Dimer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2115-2119.	13.8	56
14	Palladium(I) Dimer Enabled Extremely Rapid and Chemoselective Alkylation of Aryl Bromides over Triflates and Chlorides in Air. <i>Angewandte Chemie</i> , 2017, 129, 7184-7188.	2.0	56
15	Kinetic and Computational Studies on Pd(I) Dimer-Mediated Halogen Exchange of Aryl Iodides. <i>Journal of Organic Chemistry</i> , 2014, 79, 12041-12046.	3.2	53
16	Selective <i>ortho</i> -Functionalization of Adamantylarenes Enabled by Dispersion and an Air-Stable Palladium(I) Dimer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7721-7725.	13.8	38
17	Lewis-Säure-unterstützte metallkatalysierte Kreuzkupplung: Alkylierung von Arylmethylethern unter C=O-Bindungsspaltung ohne β -Hydrideliminierung. <i>Angewandte Chemie</i> , 2016, 128, 6198-6203.	2.0	36
18	Divergent Reactivity of a Dinuclear (NHC)Nickel(I) Catalyst versus Nickel(0) Enables Chemoselective Trifluoromethylselenolation. <i>Angewandte Chemie</i> , 2017, 129, 13616-13620.	2.0	33

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19	Chemoselektive, modulare Diversifikation polyhalogenerter Arylfluorosulfate (ArOSO ₂ F), ermöglicht durch ein luftstables Pd I-Dimer. <i>Angewandte Chemie</i> , 2020, 132, 2132-2136.	2.0	25
20	NMR and DFT Study of the Copper(I)-Catalyzed Cycloaddition Reaction: H/D Scrambling of Alkynes and Variable Reaction Order of the Catalyst. <i>ChemCatChem</i> , 2016, 8, 1804-1808.	3.7	18
21	Selective ortho-Functionalization of Adamantylarenes Enabled by Dispersion and an Air-Stable Palladium(I) Dimer. <i>Angewandte Chemie</i> , 2020, 132, 7795-7799.	2.0	14
22	Atropisomerism in Tertiary Biaryl 2-Amides: A Study of Ar-CO and Ar-Ar ² Rotational Barriers. <i>Journal of Organic Chemistry</i> , 2017, 82, 7300-7308.	3.2	13
23	Synthesis of Unprotected CH ₂ -Skipped Piperazine-Pyridine Alternating Cycles with Azide End-Group. <i>Heterocycles</i> , 2015, 90, 625.	0.7	1