

Debabrata Maiti

List of Publications by Year in descending order

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266
papers

16,665
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10389

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all docs

352
docs citations

352
times ranked

10520
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-Based Nanomaterials for Biomedical Applications: A Recent Study. <i>Frontiers in Pharmacology</i> , 2018, 9, 1401.	3.5	432
2	Palladium-catalyzed coupling of functionalized primary and secondary amines with aryl and heteroaryl halides: two ligands suffice in most cases. <i>Chemical Science</i> , 2011, 2, 57-68.	7.4	315
3	Remote <i>para</i> -C-H Functionalization of Arenes by a D-Shaped Biphenyl Template-Based Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 11888-11891.	13.7	302
4	Decarboxylation as the Key Step in C-C Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 7382-7401.	3.3	298
5	Accessing Remote <i>meta</i> - and <i>para</i> -C(sp ²)-H Bonds with Covalently Attached Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10820-10843.	13.8	273
6	Oxidative Trifluoromethylation of Unactivated Olefins: An Efficient and Practical Synthesis of β -Trifluoromethyl-Substituted Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9747-9750.	13.8	271
7	Toolbox for Distal C-H Bond Functionalizations in Organic Molecules. <i>Chemical Reviews</i> , 2022, 122, 5682-5841.	47.7	237
8	Arene diversification through distal C(sp ²)-H functionalization. <i>Science</i> , 2021, 372, .	12.6	230
9	Palladium(II)-Catalyzed <i>meta</i> -C-H Olefination: Constructing Multisubstituted Arenes through Homo-Diolefination and Sequential Hetero-Diolefination. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8515-8519.	13.8	216
10	Palladium-Catalyzed Aryl C-H Olefination with Unactivated, Aliphatic Alkenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 13602-13605.	13.7	214
11	Orthogonal Cu- and Pd-Based Catalyst Systems for the O- and N-Arylation of Aminophenols. <i>Journal of the American Chemical Society</i> , 2009, 131, 17423-17429.	13.7	204
12	Efficient and Stereoselective Nitration of Mono- and Disubstituted Olefins with AgNO ₂ and TEMPO. <i>Journal of the American Chemical Society</i> , 2013, 135, 3355-3358.	13.7	203
13	Reactions of a Copper(II) Superoxo Complex Lead to C-H and O-H Substrate Oxygenation: Modeling Copper-Monooxygenase C-H Hydroxylation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 82-85.	13.8	202
14	Palladium-Catalyzed Synthesis of Benzofurans and Coumarins from Phenols and Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12669-12673.	13.8	194
15	Palladium-Catalyzed Directed <i>para</i> -C-H Functionalization of Phenols. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7751-7755.	13.8	184
16	Stereoselective Nitration of Olefins with ^t BuONO and TEMPO: Direct Access to Nitroolefins under Metal-free Conditions. <i>Organic Letters</i> , 2013, 15, 3384-3387.	4.6	181
17	<i>Meta</i> -Selective Arene C-H Bond Olefination of Arylacetic Acid Using a Nitrile-Based Directing Group. <i>Organic Letters</i> , 2014, 16, 5760-5763.	4.6	180
18	Cu-Catalyzed Arylation of Phenols: Synthesis of Sterically Hindered and Heteroaryl Diaryl Ethers. <i>Journal of Organic Chemistry</i> , 2010, 75, 1791-1794.	3.2	179

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19	A 1:1 Copper ^{II} Dioxygen Adduct is an End-on Bound Superoxo Copper(II) Complex which Undergoes Oxygenation Reactions with Phenols. <i>Journal of the American Chemical Society</i> , 2007, 129, 264-265.	13.7	177
20	Transition Metal Catalyzed Enantioselective C(sp ²)-H Bond Functionalization. <i>ACS Catalysis</i> , 2020, 10, 13748-13793.	11.2	177
21	Organic synthesis with the most abundant transition metal—iron: from rust to multitasking catalysts. <i>Chemical Society Reviews</i> , 2021, 50, 243-472.	38.1	175
22	Switch to Allylic Selectivity in Cobalt-Catalyzed Dehydrogenative Heck Reactions with Unbiased Aliphatic Olefins. <i>ACS Catalysis</i> , 2016, 6, 5493-5499.	11.2	166
23	A general and efficient aldehyde decarbonylation reaction by using a palladium catalyst. <i>Chemical Communications</i> , 2012, 48, 4253.	4.1	164
24	Palladium catalysed meta-C-H functionalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5440-5453.	2.8	155
25	Cobalt-Catalyzed sp ² -C-H Activation: Intermolecular Heterocyclization with Allenes at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12361-12365.	13.8	144
26	Directing group assisted meta-hydroxylation by C-H activation. <i>Chemical Science</i> , 2016, 7, 3147-3153.	7.4	140
27	Hexafluoroisopropanol: the magical solvent for Pd-catalyzed C-H activation. <i>Chemical Science</i> , 2021, 12, 3857-3870.	7.4	135
28	Synthesis of (E)-nitroolefins via decarboxylative nitration using t-butyl nitrite (t-BuONO) and TEMPO. <i>Chemical Communications</i> , 2013, 49, 5286.	4.1	134
29	Recent development in transition metal-catalysed C-H olefination. <i>Chemical Science</i> , 2021, 12, 2735-2759.	7.4	134
30	Reaching the south: metal-catalyzed transformation of the aromatic para-position. <i>Chemical Communications</i> , 2016, 52, 12398-12414.	4.1	132
31	Aryl Hydroxylation from a Mononuclear Copper-Hydroperoxo Species. <i>Journal of the American Chemical Society</i> , 2007, 129, 6998-6999.	13.7	121
32	Palladium-catalyzed benzofuran and indole synthesis by multiple C-H functionalizations. <i>Chemical Communications</i> , 2017, 53, 6544-6556.	4.1	119
33	ipso-Nitration of Arylboronic Acids with Bismuth Nitrate and Perdisulfate. <i>Organic Letters</i> , 2012, 14, 1736-1739.	4.6	118
34	A Predictably Selective Nitration of Olefin with Fe(NO ₃) ₃ and TEMPO. <i>Journal of Organic Chemistry</i> , 2013, 78, 5949-5954.	3.2	118
35	Direct Synthesis of α -Trifluoromethyl Ketone from (Hetero)arylacetylene: Design, Intermediate Trapping, and Mechanistic Investigations. <i>Organic Letters</i> , 2014, 16, 4524-4527.	4.6	117
36	Palladium-Catalyzed Annulation of Diarylamines with Olefins through C-H Activation: Direct Access to N-Arylindoles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11895-11899.	13.8	115

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37	Template-Assisted <i>meta</i> -C ^{sp2} H Alkylation and Alkenylation of Arenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3182-3186.	13.8	114
38	Evaluation of Mechanism on Selective, Rapid, and Superior Adsorption of Congo Red by Reusable Mesoporous Fe ₂ O ₃ Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11255-11267.	6.7	113
39	Alkyne Linchpin Strategy for Drug:Pharmacophore Conjugation: Experimental and Computational Realization of a <i>Meta</i> -Selective Inverse Sonogashira Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 3762-3774.	13.7	111
40	Aerobic Oxynitration of Alkynes with <i>tert</i> -BuONO and TEMPO. <i>Organic Letters</i> , 2014, 16, 6302-6305.	4.6	109
41	Synthesis of Polysubstituted Quinolines from 2-Aminoaryl Alcohols Via Nickel-Catalyzed Dehydrogenative Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 2309-2316.	3.2	107
42	Experimental and Computational Exploration of <i>para</i> -Selective Silylation with a Hydrogen-Bonded Template. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14903-14907.	13.8	107
43	Role of hexafluoroisopropanol in C-H activation. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 244-253.	3.7	105
44	Room-Temperature <i>meta</i> -Functionalization: Pd(II)-Catalyzed Synthesis of 1,3,5-Trialkenyl Arene and <i>meta</i> -Hydroxylated Olefin. <i>ACS Catalysis</i> , 2016, 6, 3575-3579.	11.2	104
45	Spectroscopic and Computational Studies of an End-on Bound Superoxo-Cu(II) Complex: Geometric and Electronic Factors That Determine the Ground State. <i>Inorganic Chemistry</i> , 2010, 49, 9450-9459.	4.0	102
46	Experimental and Computational Studies on Remote ³ C(sp ³)-H Silylation and Germanylation of Aliphatic Carboxamides. <i>ACS Catalysis</i> , 2017, 7, 8171-8175.	11.2	102
47	Natural Product Synthesis by C-H Activation. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1178-1192.	2.7	100
48	Detailed Mechanistic Studies on Palladium-Catalyzed Selective C-H Olefination with Aliphatic Alkenes: A Significant Influence of Proton Shuttling. <i>Journal of the American Chemical Society</i> , 2017, 139, 763-775.	13.7	99
49	Remote <i>meta</i> -C-H Cyanation of Arenes Enabled by a Pyrimidine-Based Auxiliary. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12538-12542.	13.8	99
50	Transition-metal-catalyzed C-H allylation reactions. <i>Chem</i> , 2021, 7, 555-605.	11.7	99
51	Introducing unactivated acyclic internal aliphatic olefins into a cobalt catalyzed allylic selective dehydrogenative Heck reaction. <i>Chemical Science</i> , 2017, 8, 5181-5185.	7.4	94
52	Diverse <i>meta</i> -C-H Functionalization of Arenes across Different Linker Lengths. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7659-7663.	13.8	94
53	Recent advances in cobalt-catalysed C-H functionalizations. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10119-10141.	2.8	94
54	Nickel-Catalyzed Deamidative Step-Down Reduction of Amides to Aromatic Hydrocarbons. <i>ACS Catalysis</i> , 2017, 7, 433-437.	11.2	93

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55	Predictably Selective (sp ³)C=O Bond Formation through Copper Catalyzed Dehydrogenative Coupling: Facile Synthesis of Dihydro-oxazinone Derivatives. <i>Organic Letters</i> , 2014, 16, 2602-2605.	4.6	91
56	Rhodium-Catalyzed <i>meta</i> -C-H Functionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5272-5276.	13.8	90
57	Catalytic Arene <i>meta</i> -C-H Functionalization Exploiting a Quinoline-Based Template. <i>ACS Catalysis</i> , 2017, 7, 3162-3168.	11.2	90
58	Iterative Arylation of Amino Acids and Aliphatic Amines via $\hat{\text{I}}^{\text{3}}$ (sp ³) $\hat{\text{a}}^{\text{H}}$ Activation: Experimental and Computational Exploration. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5633-5638.	13.8	90
59	Ligand-Enabled Pd ^{II} -Catalyzed Iterative $\hat{\text{I}}^{\text{3}}$ (sp ³) $\hat{\text{a}}^{\text{H}}$ Arylation of Free Aliphatic Acid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13773-13777.	13.8	88
60	Sequential <i>meta</i> -C-H olefination of synthetically versatile benzyl silanes: effective synthesis of <i>meta</i> -olefinated toluene, benzaldehyde and benzyl alcohols. <i>Chemical Communications</i> , 2016, 52, 2027-2030.	4.1	87
61	Promoting Highly Diastereoselective $\hat{\text{I}}^{\text{3}}$ -C-H Chalcogenation of $\hat{\text{I}}^{\text{1}}$ -Amino Acids and Aliphatic Carboxylic Acids. <i>ACS Catalysis</i> , 2018, 8, 2664-2669.	11.2	87
62	Combining transition metals and transient directing groups for C-H functionalizations. <i>RSC Advances</i> , 2018, 8, 19456-19464.	3.6	87
63	Iron-Catalyzed Direct C-H Arylation of Heterocycles and Quinones with Arylboronic Acids. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5251-5256.	2.4	86
64	Iron-Mediated Decarboxylative Trifluoromethylation of $\hat{\text{I}}^{\text{1}}$, $\hat{\text{I}}^{\text{2}}$ -Unsaturated Carboxylic Acids with Trifluoromethanesulfinate. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5247-5250.	2.4	86
65	Copper mediated decarboxylative direct C-H arylation of heteroarenes with benzoic acids. <i>Chemical Communications</i> , 2016, 52, 1432-1435.	4.1	86
66	C-H deuteration of organic compounds and potential drug candidates. <i>Chemical Society Reviews</i> , 2022, 51, 3123-3163.	38.1	85
67	Selective C-H halogenation over hydroxylation by non-heme iron(<i>iv</i>)-oxo. <i>Chemical Science</i> , 2018, 9, 7843-7858.	7.4	82
68	Palladium-Catalyzed <i>meta</i> -C-H Allylation of Arenes: A Unique Combination of a Pyrimidine-Based Template and Hexafluoroisopropanol. <i>Journal of the American Chemical Society</i> , 2020, 142, 12453-12466.	13.7	82
69	Copper(II)-Hydroperoxo Complex Induced Oxidative N-Dealkylation Chemistry. <i>Journal of the American Chemical Society</i> , 2007, 129, 6720-6721.	13.7	81
70	Reaction of a Copper $\hat{\text{a}}^{\text{2}}$ Dioxygen Complex with Nitrogen Monoxide ($\hat{\text{a}}^{\text{c}}\text{NO}$) Leads to a Copper(II) $\hat{\text{a}}^{\text{2}}$ Peroxyxynitrite Species. <i>Journal of the American Chemical Society</i> , 2008, 130, 6700-6701.	13.7	78
71	Metal catalyzed defunctionalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 21-35.	2.8	77
72	Palladium-Catalyzed Directed <i>meta</i> -Selective C-H Allylation of Arenes: Unactivated Internal Olefins as Allyl Surrogates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10353-10360.	13.8	76

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73	Regioselective C-H Sulfonylation of 2-Indazoles by Electrosynthesis. <i>Journal of Organic Chemistry</i> , 2020, 85, 3699-3708.	3.2	76
74	Biomimetic Copper Sulfide for Chemo-Radiotherapy: Enhanced Uptake and Reduced Efflux of Nanoparticles for Tumor Cells under Ionizing Radiation. <i>Advanced Functional Materials</i> , 2018, 28, 1705161.	14.9	75
75	Rhodium catalyzed template-assisted distal C-H olefination. <i>Chemical Science</i> , 2019, 10, 7426-7432.	7.4	75
76	Palladium-Catalyzed Remote meta-Selective C-H Bond Silylation and Germanylation. <i>Organometallics</i> , 2017, 36, 2418-2423.	2.3	74
77	Palladium Catalyzed Regioselective C4-Arylation and Olefination of Indoles and Azaindoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1441-1446.	4.3	73
78	Aryl Nitriles from Alkynes Using tert-Butyl Nitrite: Metal-Free Approach to C-C Bond Cleavage. <i>Organic Letters</i> , 2016, 18, 860-863.	4.6	72
79	Decoding Directing Groups and Their Pivotal Role in C-H Activation. <i>Chemistry - A European Journal</i> , 2021, 27, 12453-12508.	3.3	71
80	Nickel-Catalyzed Insertion of Alkynes and Electron-Deficient Olefins into Unactivated sp ³ C-H Bonds. <i>Chemistry - A European Journal</i> , 2015, 21, 11320-11324.	3.3	68
81	Diverse strategies for transition metal catalyzed distal C(sp ³)-H functionalizations. <i>Chemical Science</i> , 2020, 11, 10887-10909.	7.4	68
82	Recent Advances in External-Directing-Group-Free C-H Functionalization of Carboxylic Acids without Decarboxylation. <i>ACS Catalysis</i> , 2021, 11, 4205-4229.	11.2	67
83	Iron-Catalyzed Regioselective Direct Arylation at the C-3 Position of N-Alkyl-2-pyridone. <i>Journal of Organic Chemistry</i> , 2015, 80, 296-303.	3.2	66
84	Transition Metal Promoted Cascade Heterocycle Synthesis through C-H Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 9749-9783.	3.3	66
85	Chelation-Assisted Palladium-Catalyzed ³ Arylation of Aliphatic Carboxylic Acid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1301-1307.	4.3	65
86	Transient directing ligands for selective metal-catalysed C-H activation. <i>Nature Reviews Chemistry</i> , 2021, 5, 646-659.	30.2	65
87	Nickel-catalyzed decyanation of inert carbon-cyano bonds. <i>Chemical Communications</i> , 2013, 49, 69.	4.1	64
88	H-bonded reusable template assisted para-selective ketonisation using soft electrophilic vinyl ethers. <i>Nature Communications</i> , 2018, 9, 3582.	12.8	62
89	Electrochemical Chalcogenation of ^{2,3} -Unsaturated Amides and Oximes to Corresponding Oxazolines and Isoxazolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1046-1052.	4.3	62
90	Copper Dioxygen Adducts: Formation of Bis(^{1/4} -oxo)dicopper(III) versus (^{1/4} -1,2)Peroxodicopper(II) Complexes with Small Changes in One Pyridyl-Ligand Substituent. <i>Inorganic Chemistry</i> , 2008, 47, 3787-3800.	4.0	61

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91	Structural studies of an immunoenhancing water-soluble glucan isolated from hot water extract of an edible mushroom, <i>Pleurotus florida</i> , cultivar Assam Florida. <i>Carbohydrate Research</i> , 2009, 344, 2596-2601.	2.3	61
92	Orthogonal selectivity with cinnamic acids in 3-substituted benzofuran synthesis through C-H olefination of phenols. <i>Chemical Communications</i> , 2015, 51, 5375-5378.	4.1	61
93	Palladium catalyzed direct aliphatic $^{13}\text{C}(\text{sp}^3)$ -H alkenylation with alkenes and alkenyl iodides. <i>Chemical Communications</i> , 2017, 53, 12457-12460.	4.1	61
94	Microwave-assisted palladium mediated decarbonylation reaction: synthesis of eulatachromene. <i>Green Chemistry</i> , 2012, 14, 2314.	9.0	60
95	Simple and Efficient Ruthenium-Catalyzed Oxidation of Primary Alcohols with Molecular Oxygen. <i>Chemistry - A European Journal</i> , 2016, 22, 8814-8822.	3.3	60
96	Copper-Hydroperoxo-Mediated N-Debenzylation Chemistry Mimicking Aspects of Copper Monooxygenases. <i>Inorganic Chemistry</i> , 2008, 47, 8736-8747.	4.0	59
97	Highly Effective Radioisotope Cancer Therapy with a Non-Therapeutic Isotope Delivered and Sensitized by Nanoscale Coordination Polymers. <i>ACS Nano</i> , 2018, 12, 7519-7528.	14.6	59
98	Remote meta C-H bond functionalization of 2-phenethylsulphonic acid and 3-phenylpropanoic acid derivatives. <i>Chemical Communications</i> , 2016, 52, 13916-13919.	4.1	56
99	Zugang zu <i>meta</i> - und <i>para</i> - $\text{C}(\text{sp}^2)$ -H-Bindungen mithilfe kovalent gebundener dirigierender Gruppen. <i>Angewandte Chemie</i> , 2019, 131, 10934-10958.	2.0	56
100	A direct route to six and seven membered lactones <i>via</i> $^{13}\text{C}(\text{sp}^3)$ -H activation: a simple protocol to build molecular complexity. <i>Chemical Science</i> , 2020, 11, 9697-9702.	7.4	55
101	Mechanistic elucidation of C-H oxidation by electron rich non-heme iron(IV)=O at room temperature. <i>Chemical Communications</i> , 2015, 51, 14469-14472.	4.1	54
102	Palladium catalyzed selective distal C-H olefination of biaryl systems. <i>Chemical Communications</i> , 2016, 52, 14003-14006.	4.1	54
103	Cobalt-Catalyzed $\text{C}(\text{sp}^2)$ -H Allylation of Biphenyl Amines with Unbiased Terminal Olefins. <i>Organic Letters</i> , 2019, 21, 8842-8846.	4.6	54
104	Photoinduced Regioselective Olefination of Arenes at Proximal and Distal Sites. <i>Journal of the American Chemical Society</i> , 2022, 144, 1929-1940.	13.7	54
105	Radical Based Strategy toward the Synthesis of 2,3-Dihydrofurans from Aryl Ketones and Aromatic Olefins. <i>Organic Letters</i> , 2014, 16, 5446-5449.	4.6	53
106	Surface modified multifunctional ZnFe_2O_4 nanoparticles for hydrophobic and hydrophilic anti-cancer drug molecule loading. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1439-1450.	2.8	53
107	Access to Multifunctionalized Benzofurans by Aryl Nickelation of Alkynes: Efficient Synthesis of the Anti-Arrhythmic Drug Amiodarone. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15808-15812.	13.8	53
108	Phase Evolution and Growth of Iron Oxide Nanoparticles: Effect of Hydrazine Addition During Sonication. <i>Crystal Growth and Design</i> , 2013, 13, 3637-3644.	3.0	50

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109	Design and application of Au decorated ZnO/TiO ₂ as a stable photocatalyst for wide spectral coverage. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31622-31633.	2.8	50
110	Ligand controlled switchable selectivity in ruthenium catalyzed aerobic oxidation of primary amines. <i>Chemical Communications</i> , 2017, 53, 4006-4009.	4.1	50
111	Imine as a linchpin approach for meta-C-H functionalization. <i>Nature Communications</i> , 2021, 12, 1393.	12.8	50
112	The regioselective iodination of quinolines, quinolones, pyridones, pyridines and uracil. <i>Chemical Communications</i> , 2015, 51, 17744-17747.	4.1	49
113	Emergence of Unactivated Olefins for the Synthesis of Olefinated Arenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1239-1252.	2.4	49
114	Copper/P(<i>t</i> - <i>i</i> Bu) ₃ -Mediated Regiospecific Synthesis of Fused Furans and Naphthofurans. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1111-1115.	13.8	47
115	Chemoselectivity in the Cu-catalyzed O-arylation of phenols and aliphatic alcohols. <i>Chemical Communications</i> , 2011, 47, 8340.	4.1	46
116	Palladium-Catalyzed Olefination of Aryl C-H Bonds by Using Directing-Scaffolds. <i>Synthesis</i> , 2016, 48, 804-815.	2.3	46
117	Palladium-Catalyzed Selective <i>meta</i> -C-H Deuteration of Arenes: Reaction Design and Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 9433-9437.	3.3	46
118	Deciphering the Role of Silver in Palladium-Catalyzed C-H Functionalizations. <i>ACS Catalysis</i> , 2021, 11, 9702-9714.	11.2	46
119	Structural assignment of a heteropolysaccharide isolated from the gum of <i>Cochlospermum religiosum</i> (Katira gum). <i>Carbohydrate Research</i> , 2008, 343, 1222-1231.	2.3	45
120	Ruthenium-Catalyzed Aerobic Oxidation of Amines. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2138-2148.	3.3	45
121	Coordination Assisted Distal C-H Alkylation of Fused Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13808-13812.	13.8	45
122	Ruthenium-Mediated Distal C-H Activation. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2243-2256.	3.3	44
123	Structural analysis of a polysaccharide isolated from the aqueous extract of an edible mushroom, <i>Pleurotus sajor-caju</i> , cultivar Black Japan. <i>Carbohydrate Research</i> , 2008, 343, 1108-1113.	2.3	43
124	Metal-Mediated Deformylation Reactions: Synthetic and Biological Avenues. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12140-12142.	13.8	43
125	Nickel-catalyzed hydrogenolysis of unactivated carbon-cyano bonds. <i>Chemical Communications</i> , 2013, 49, 8362.	4.1	43
126	Holo-Lactoferrin Modified Liposome for Relieving Tumor Hypoxia and Enhancing Radiochemotherapy of Cancer. <i>Small</i> , 2019, 15, e1803703.	10.0	43

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127	Structural investigation of a polysaccharide (Fr. I) isolated from the aqueous extract of an edible mushroom, <i>Volvariella diplasia</i> . <i>Carbohydrate Research</i> , 2008, 343, 1071-1078.	2.3	42
128	Development of a thermosensitive protein conjugated nanogel for enhanced radio-chemotherapy of cancer. <i>Nanoscale</i> , 2018, 10, 13976-13985.	5.6	42
129	Fe-Catalyzed Aziridination Is Governed by the Electron Affinity of the Active Imido-Iron Species. <i>ACS Catalysis</i> , 2020, 10, 10010-10020.	11.2	42
130	Traditional and sustainable approaches for the construction of C=C bonds by harnessing C-H arylation. <i>Nature Communications</i> , 2022, 13, 1085.	12.8	42
131	Molecular Oxygen and Sulfur Reactivity of a Cyclotrimeratrylene Derived Trinuclear Copper(I) Complex. <i>Inorganic Chemistry</i> , 2009, 48, 8342-8356.	4.0	41
132	Synthesis of Bis(heteroaryl) Ketones by Removal of Benzylic CHR and CO Groups. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2428-2432.	13.8	41
133	Palladium-Catalyzed Synthesis of 2,3-Disubstituted Benzofurans: An Approach Towards the Synthesis of Deuterium Labeled Compounds. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2331-2338.	4.3	41
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