

Nikolaos Kaplaneris

List of Publications by Citations

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27
papers

987
citations

19
h-index

31
g-index

31
ext. papers

1,557
ext. citations

10.4
avg, IF

5.13
L-index

#	Paper	IF	Citations
27	Bioorthogonal Diversification of Peptides through Selective Ruthenium(II)-Catalyzed C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1576-1580	16.4	111
26	Sequential meta-/ortho-C β H Functionalizations by One-Pot Ruthenium(II/III) Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 886-892	13.1	87
25	Late-Stage Peptide Diversification through Cobalt-Catalyzed C-H Activation: Sequential Multicatalysis for Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1684-1688	16.4	78
24	Biomass-Derived Solvents for Sustainable Transition Metal-Catalyzed C β H Activation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8023-8040	8.3	65
23	Late-stage C β H functionalization offers new opportunities in drug discovery. <i>Nature Reviews Chemistry</i> , 2021 , 5, 522-545	34.6	60
22	(Thio)urea-mediated synthesis of functionalized six-membered rings with multiple chiral centers. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 462-95	2.5	57
21	Late-Stage Diversification through Manganese-Catalyzed C-H Activation: Access to Acyclic, Hybrid, and Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3476-3480	16.4	57
20	Bioorthogonal Diversification of Peptides through Selective Ruthenium(II)-Catalyzed C β H Activation. <i>Angewandte Chemie</i> , 2017 , 129, 1598-1602	3.6	56
19	C β H activation. <i>Nature Reviews Methods Primers</i> , 2021 , 1,		52
18	Versatile and robust C α H activation by chelation-assisted manganese catalysis. <i>Nature Catalysis</i> , 2018 , 1, 993-1001	36.5	44
17	Photoorganocatalytic synthesis of lactones via a selective C β H activation/alkylation of alcohols. <i>Green Chemistry</i> , 2017 , 19, 4451-4456	10	38
16	Chelation-assisted transition metal-catalysed C β H chalcogenylations. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1022-1060	5.2	33
15	Green Photo-Organocatalytic C-H Activation of Aldehydes: Selective Hydroacylation of Electron-Deficient Alkenes. <i>Chemistry - A European Journal</i> , 2018 , 24, 1726-1731	4.8	31
14	4-Fluoro and 4-Hydroxy Pyrrolidine-thioxotetrahydropyrimidinones: Organocatalysts for Green Asymmetric Transformations in Brine. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5464-73	4.2	30
13	Late-stage C(sp)-H and C(sp)-H glycosylation of -aryl/alkyl glycopeptides: mechanistic insights and fluorescence labeling. <i>Chemical Science</i> , 2020 , 11, 6521-6526	9.4	29
12	Late-stage peptide C-H alkylation for bioorthogonal C-H activation featuring solid phase peptide synthesis. <i>Nature Communications</i> , 2019 , 10, 3553	17.4	28
11	Enantioselective Organocatalytic Synthesis of 2-Oxopiperazines from Aldehydes: Identification of the Elusive Epoxy Lactone Intermediate. <i>Organic Letters</i> , 2016 , 18, 5800-5803	6.2	23

10	Late-Stage Diversification through Manganese-Catalyzed C β H Activation: Access to Acyclic, Hybrid, and Stapled Peptides. <i>Angewandte Chemie</i> , 2019 , 131, 3514-3518	3.6	23
9	Late-Stage Peptide Diversification through Cobalt-Catalyzed C β H Activation: Sequential Multicatalysis for Stapled Peptides. <i>Angewandte Chemie</i> , 2019 , 131, 1698-1702	3.6	23
8	Phenylglyoxylic Acid: An Efficient Initiator for the Photochemical Hydrogen Atom Transfer C-H Functionalization of Heterocycles. <i>ChemSusChem</i> , 2020 , 13, 5934-5944	8.3	16
7	Peptide late-stage C(sp)-H arylation by native asparagine assistance without exogenous directing groups. <i>Chemical Science</i> , 2020 , 11, 9290-9295	9.4	13
6	Late-stage stitching enabled by manganese-catalyzed C-H activation: Peptide ligation and access to cyclopeptides. <i>Science Advances</i> , 2021 , 7,	14.3	12
5	Green strategies for transition metal-catalyzed C β H activation in molecular syntheses. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 4886-4913	5.2	9
4	Chemodivergent manganese-catalyzed C-H activation: modular synthesis of fluorogenic probes. <i>Nature Communications</i> , 2021 , 12, 3389	17.4	4
3	Post-synthetic functionalization of tryptophan protected peptide sequences through indole (C-2) photocatalytic alkylation. <i>Chemical Communications</i> , 2021 , 57, 5758-5761	5.8	3
2	Ruthenaelectro-catalyzed C-H acyloxylation for late-stage tyrosine and oligopeptide diversification.. <i>Chemical Science</i> , 2022 , 13, 3461-3467	9.4	3
1	Allenes in Manganese(I)-Catalyzed C β H Activation and a Strategy for Cascade Ring Expansion. <i>Cell Reports Physical Science</i> , 2020 , 1, 100178	6.1	0