

Oriol Planas

List of Publications by Year in descending order

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15
papers

760
citations

933447

10
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi(I)-Catalyzed Transfer-Hydrogenation with Ammonia-Borane. <i>Journal of the American Chemical Society</i> , 2019, 141, 4235-4240.	13.7	134
2	Fluorination of arylboronic esters enabled by bismuth redox catalysis. <i>Science</i> , 2020, 367, 313-317.	12.6	131
3	A First Example of Cobalt-Catalyzed Remote C-H Functionalization of 8-Aminoquinolines Operating through a Single Electron Transfer Mechanism. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1679-1688.	4.3	113
4	Regioselective Access to Sultam Motifs through Cobalt-Catalyzed Annulation of Aryl Sulfonamides and Alkynes using an 8-Aminoquinoline Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 4003-4012.	4.3	82
5	Bismuth-Catalyzed Oxidative Coupling of Arylboronic Acids with Triflate and Nonaflate Salts. <i>Journal of the American Chemical Society</i> , 2020, 142, 11382-11387.	13.7	64
6	Isolation of Key Organometallic Aryl-Co(III) Intermediates in Cobalt-Catalyzed C(sp ²)-H Functionalizations and New Insights into Alkyne Annulation Reaction Mechanisms. <i>Journal of the American Chemical Society</i> , 2016, 138, 14388-14397.	13.7	60
7	Structural modeling of iron halogenases: synthesis and reactivity of halide-iron(IV)-oxo compounds. <i>Chemical Communications</i> , 2014, 50, 10887.	4.1	58
8	Carboxylate-Assisted Formation of Aryl-Co(III) Masked-Carbenes in Cobalt-Catalyzed C-H Functionalization with Diazo Esters. <i>Journal of the American Chemical Society</i> , 2017, 139, 14649-14655.	13.7	36
9	Current Mechanistic Understanding of Cobalt-Catalyzed C-H Functionalization. <i>Advances in Organometallic Chemistry</i> , 2018, 69, 209-282.	1.0	28
10	Aerobic C-C and C-O bond formation reactions mediated by high-valent nickel species. <i>Chemical Science</i> , 2019, 10, 10366-10372.	7.4	24
11	Mechanistic insights into the SN ₂ -type reactivity of aryl-Co(III) masked-carbenes for C-C bond forming transformations. <i>Chemical Science</i> , 2018, 9, 5736-5746.	7.4	14
12	High-valent bismuth redox catalysis. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 79-83.	0.0	4
13	Facile access to chiral non-natural amino acids. <i>Nature Catalysis</i> , 2019, 2, 839-840.	34.4	3
14	Well-Defined Aryl-Fell Complexes in Cross-Coupling and C-H Activation Processes. <i>Organometallics</i> , 2021, 40, 1195-1200.	2.3	2
15	Unravelling the mechanism of cobalt-catalysed remote C-H nitration of 8-aminoquinolinamides and expansion of substrate scope towards 1-naphthylpicolinamide. <i>Chemical Science</i> , 2020, 11, 534-542.	7.4	1