

Torsten Irrgang

List of Publications by Year in descending order

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18
papers

2,560
citations

471509

17
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	3d-Metal Catalyzed N- and C-Alkylation Reactions via Borrowing Hydrogen or Hydrogen Autotransfer. <i>Chemical Reviews</i> , 2019, 119, 2524-2549.	47.7	606
2	Cobalt-Catalyzed Alkylation of Aromatic Amines by Alcohols. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15046-15050.	13.8	295
3	Highly Active and Selective Manganese C=O Bond Hydrogenation Catalysts: The Importance of the Multidentate Ligand, the Ancillary Ligands, and the Oxidation State. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11806-11809.	13.8	271
4	Transition-Metal-Catalyzed Reductive Amination Employing Hydrogen. <i>Chemical Reviews</i> , 2020, 120, 9583-9674.	47.7	231
5	Manganese-Catalyzed Sustainable Synthesis of Pyrroles from Alcohols and Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7261-7265.	13.8	193
6	Manganese-Catalyzed and Base-Switchable Synthesis of Amines or Imines via Borrowing Hydrogen or Dehydrogenative Condensation. <i>ACS Catalysis</i> , 2018, 8, 8525-8530.	11.2	152
7	Manganese-Catalyzed Dehydrogenative Alkylation or β -Olefination of Alkyl-Substituted N-Heteroarenes with Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9131-9135.	13.8	128
8	Cobalt-Catalyzed Alkylation of Secondary Alcohols with Primary Alcohols via Borrowing Hydrogen/Hydrogen Autotransfer. <i>Chemistry - A European Journal</i> , 2017, 23, 12110-12113.	3.3	111
9	Mechanistic Studies of Hydride Transfer to Imines from a Highly Active and Chemoselective Manganate Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 11677-11685.	13.7	100
10	Hochaktive und selektive Mangankatalysatoren zur Hydrierung von C=O-Bindungen – die Bedeutung des mehrzähligen Liganden, der Coliganden und der Oxidationsstufe. <i>Angewandte Chemie</i> , 2016, 128, 11984-11988.	2.0	88
11	Manganese-Catalyzed β -Methylation of Alcohols by Methanol. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1485-1490.	13.8	84
12	Chromium-Catalyzed Alkylation of Amines by Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11789-11793.	13.8	65
13	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. <i>Advanced Functional Materials</i> , 2012, 22, 3128-3135.	14.9	49
14	Highly Enantioselective Amido Iridium Catalysts for the Hydrogenation of Simple Ketones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2183-2186.	13.8	46
15	Mangan-katalysierte nachhaltige Synthese von Pyrrolen aus Alkoholen und Aminoalkoholen. <i>Angewandte Chemie</i> , 2017, 129, 7367-7371.	2.0	37
16	Manganese-Catalyzed β -Methylation of Alcohols by Methanol. <i>Angewandte Chemie</i> , 2020, 132, 1501-1506.	2.0	25
17	Chromium-Catalyzed Alkylation of Amines by Alcohols. <i>Angewandte Chemie</i> , 2020, 132, 11887-11891.	2.0	9
18	Phosphine-free chiral iridium catalysts for asymmetric catalytic hydrogenation of simple ketones. <i>RSC Advances</i> , 2016, 6, 39335-39342.	3.6	4