Marion H Emmert

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Remarkably High Reactivity of Pd(OAc) ₂ /Pyridine Catalysts: Nondirected Cĩ£¿H Oxygenation of Arenes. Angewandte Chemie - International Edition, 2011, 50, 9409-9412.	13.8	162
2	Pyridine Ligands as Promoters in Pd ^{II/0} -Catalyzed C–H Olefination Reactions. Organic Letters, 2012, 14, 1760-1763.	4.6	159
3	Platinum and Palladium Complexes Containing Cationic Ligands as Catalysts for Arene H/D Exchange and Oxidation. Angewandte Chemie - International Edition, 2010, 49, 5884-5886.	13.8	104
4	Steric Control of Site Selectivity in the Pd-Catalyzed C–H Acetoxylation of Simple Arenes. Organic Letters, 2013, 15, 5428-5431.	4.6	75
5	Rare earth recovery from end-of-life motors employing green chemistry design principles. Green Chemistry, 2016, 18, 753-759.	9.0	73
6	Selective Process Steps for the Recovery of Scandium from Jamaican Bauxite Residue (Red Mud). ACS Sustainable Chemistry and Engineering, 2018, 6, 1478-1488.	6.7	71
7	Iron atalyzed C _α H Oxidation of Tertiary, Aliphatic Amines to Amides under Mild Conditions. Angewandte Chemie - International Edition, 2015, 54, 14907-14910.	13.8	67
8	Cellulase-Inspired Solid Acids for Cellulose Hydrolysis: Structural Explanations for High Catalytic Activity. ACS Catalysis, 2018, 8, 1464-1468.	11.2	40
9	Influence of alternative fuels on trace element content of ordinary portland cement. Fuel, 2016, 184, 481-489.	6.4	36
10	Value Analysis of Neodymium Content in Shredder Feed: Toward Enabling the Feasibility of Rare Earth Magnet Recycling. Environmental Science & Technology, 2014, 48, 6553-6560.	10.0	35
11	Photoredox-Catalyzed C _α –H Cyanation of Unactivated Secondary and Tertiary Aliphatic Amines: Late-Stage Functionalization and Mechanistic Studies. Journal of Organic Chemistry, 2018, 83, 11089-11100.	3.2	35
12	Iron atalyzed C α H Oxidation of Tertiary, Aliphatic Amines to Amides under Mild Conditions. Angewandte Chemie, 2015, 127, 15120-15123.	2.0	21
13	Cost Analysis as a Tool for the Development of Sc Recovery Processes from Bauxite Residue (Red Mud). ACS Sustainable Chemistry and Engineering, 2018, 6, 5333-5341.	6.7	20
14	Facile Cyclometalation Reactions of Cp–Zirconium Complexes with Weakly Lewis Acidic Pendent Boron Functionalities. Chemistry - A European Journal, 2009, 15, 8124-8127.	3.3	16
15	Catalysts for convenient aerobic alcohol oxidations in air: systematic ligand studies in Pd/pyridine systems. Tetrahedron, 2013, 69, 5758-5764.	1.9	15
16	Closing the Lifecycle of Rare Earth Magnets: Discovery of Neodymium in Slag from Steel Mills. Energy Technology, 2015, 3, 118-120.	3.8	15
17	Two Scalable Syntheses of 3-(Trifluoromethyl)cyclobutane-1-carboxylic Acid. Organic Process Research and Development, 2021, 25, 82-88.	2.7	14
18	Cα–H Oxidations of Amines to Amides: Expanding Mechanistic Understanding and Amine Scope through Catalyst Development. Synlett, 2016, 27, 1893-1897.	1.8	13

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19	Nondirected, Cu-Catalyzed sp ³ C–H Aminations with Hydroxylamine-Based Amination Reagents: Catalytic and Mechanistic Studies. Organometallics, 2017, 36, 1259-1268.	2.3	13
20	Rare Earth Recycling: Forecast of Recoverable Nd from Shredder Scrap and Influence of Recycling Rates on Price Volatility. Journal of Sustainable Metallurgy, 2015, 1, 179-188.	2.3	11
21	Asymmetric Synthesis of Tertiary and Secondary Cyclopropyl Boronates via Cyclopropanation of Enantioenriched Alkenyl Boronic Esters. Organic Letters, 2022, 24, 3455-3460.	4.6	9
22	Process for Scandium Recovery from Jamaican Bauxite Residue: A Probabilistic Economic Assessment. Materials Today: Proceedings, 2019, 9, 578-586.	1.8	8
23	Oxidation catalysis in air with Cp*Ir: influence of added ligands and reaction conditions on catalytic activity and stability. Catalysis Science and Technology, 2015, 5, 1198-1205.	4.1	5
24	Lewis acid mediated, mild C–H aminoalkylation of azoles <i>via</i> three component coupling. Chemical Science, 2021, 12, 3890-3897.	7.4	4
25	Mechanistic Insights into Fe Catalyzed α â^'H Oxidations of Tertiary Amines. ChemCatChem, 2021, 13, 235-246.	3.7	3
26	Iron-Catalyzed α-C–H Cyanation of Simple and Complex Tertiary Amines. Journal of Organic Chemistry, 2021, 86, 2489-2498.	3.2	3
27	Back Cover: Remarkably High Reactivity of Pd(OAc)2/Pyridine Catalysts: Nondirected CH Oxygenation of Arenes (Angew. Chem. Int. Ed. 40/2011). Angewandte Chemie - International Edition, 2011, 50, 9508-9508.	13.8	1
28	A regiocentric economic sensitivity analysis for scandium recovery from red mud. Materials Today: Proceedings, 2021, 41, 577-582.	1.8	1