William P Mcdermott

List of Publications by Year
in descending order

20	1,655	567281 15	752698 20
papers	citations	h-index	g-index

24	24	24	1568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective oxidative dehydrogenation of propane to propene using boron nitride catalysts. Science, 2016, 354, 1570-1573.	12.6	522
2	Aerobic Oxidations of Light Alkanes over Solid Metal Oxide Catalysts. Chemical Reviews, 2018, 118, 2769-2815.	47.7	237
3	Probing the Transformation of Boron Nitride Catalysts under Oxidative Dehydrogenation Conditions. Journal of the American Chemical Society, 2019, 141, 182-190.	13.7	135
4	Boron and Boronâ€Containing Catalysts for the Oxidative Dehydrogenation of Propane. ChemCatChem, 2017, 9, 3623-3626.	3.7	105
5	Serendipity in Catalysis Research: Boron-Based Materials for Alkane Oxidative Dehydrogenation. Accounts of Chemical Research, 2018, 51, 2556-2564.	15.6	95
6	Selective Oxidation of nâ€Butane and Isobutane Catalyzed by Boron Nitride. ChemCatChem, 2017, 9, 2118-2127.	3.7	84
7	Boron and Boron-Containing Catalysts for the Oxidative Dehydrogenation of Propane. ChemCatChem, 2017, 9, 3622-3622.	3.7	82
8	Why Boron Nitride is such a Selective Catalyst for the Oxidative Dehydrogenation of Propane. Angewandte Chemie - International Edition, 2020, 59, 16527-16535.	13.8	75
9	Synthesis and Characterization of Silica-Supported Boron Oxide Catalysts for the Oxidative Dehydrogenation of Propane. Journal of Physical Chemistry C, 2019, 123, 27000-27011.	3.1	57
10	Mechanistic Study on the Lewis Acid Catalyzed Synthesis of 1,3-Butadiene over Ta-BEA Using Modulated Operando DRIFTS-MS. ACS Catalysis, 2016, 6, 6823-6832.	11.2	54
11	Bâ€MWW Zeolite: The Case Against Singleâ€Site Catalysis. Angewandte Chemie - International Edition, 2020, 59, 6546-6550.	13.8	54
12	Structure Determination of Boron-Based Oxidative Dehydrogenation Heterogeneous Catalysts With Ultrahigh Field 35.2 T ¹¹B Solid-State NMR Spectroscopy. ACS Catalysis, 2020, 10, 13852-13866.	11.2	39
13	Selective Oxidative Cracking of nâ€Butane to Light Olefins over Hexagonal Boron Nitride with Limited Formation of CO_x. ChemSusChem, 2020, 13, 152-158.	6.8	28
14	Controlled Grafting Synthesis of Silica-Supported Boron for Oxidative Dehydrogenation Catalysis. Journal of Physical Chemistry C, 2021, 125, 12636-12649.	3.1	19
15	Highly Selective Carbonâ€Supported Boron for Oxidative Dehydrogenation of Propane. ChemCatChem, 2021, 13, 3611-3618.	3.7	17
16	Influence of Tin Loading and Pore Size of Sn/MCM-41 Catalysts on the Synthesis of Nopol. Industrial & Engineering Chemistry Research, 2017, 56, 6590-6598.	3.7	15
17	Recent Advances in the Understanding of Boron-Containing Catalysts for the Selective Oxidation of Alkanes to Olefins. Topics in Catalysis, 2020, 63, 1700-1707.	2.8	12
18	Bâ€MWW Zeolite: The Case Against Singleâ€Site Catalysis. Angewandte Chemie, 2020, 132, 6608-6612.	2.0	12

#	Article	IF	Citations
19	Why Boron Nitride is such a Selective Catalyst for the Oxidative Dehydrogenation of Propane. Angewandte Chemie, 2020, 132, 16670-16678.	2.0	7
20	Inâ€situ IR Spectroscopy Study of Reactions of C3 Oxygenates on Heteroatom (Sn, Mo, and W) doped BEA Zeolites and the Effect of Coâ€adsorbed Water. ChemCatChem, 2021, 13, 445-458.	3.7	6