

Stephen C Purdy

List of Publications by Year in descending order

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16
papers

1,272
citations

840119

11
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

1630
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Promotional Effects of Vanadium Oxide on Boron Nitride for Oxidative Dehydrogenation of Propane. <i>Jacs Au</i> , 2022, 2, 1096-1104.	3.6	20
2	Structure Evolution of Chemically Degraded ZIF-8. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9736-9741.	1.5	7
3	Propane Dehydrogenation on Single-Site [PtZn ₄] Intermetallic Catalysts. <i>CheM</i> , 2021, 7, 387-405.	5.8	116
4	Detailed total scattering analysis of disorder in ZIF-8. <i>Journal of Applied Crystallography</i> , 2021, 54, 759-767.	1.9	3
5	Selective Butene Formation in Direct Ethanol-to-C ₃₊ -Olefin Valorization over Zn ^{II} /Beta and Single-Atom Alloy Composite Catalysts Using In Situ-Generated Hydrogen. <i>ACS Catalysis</i> , 2021, 11, 7193-7209.	5.5	13
6	Isolated Metal Sites in Cu ^{II} /Zn ^{II} /Beta for Direct and Selective Butene-Rich C ₃₊ Olefin Formation from Ethanol. <i>ACS Catalysis</i> , 2021, 11, 9885-9897.	5.5	24
7	Sulfur Tolerant Subnanometer Fe/Alumina Catalysts for Propane Dehydrogenation. <i>ACS Applied Nano Materials</i> , 2021, 4, 10055-10067.	2.4	13
8	Catalytic activity and water stability of the MgO(111) surface for 2-pentanone condensation. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120234.	10.8	9
9	Engineering catalyst supports to stabilize PdOx two-dimensional rafts for water-tolerant methane oxidation. <i>Nature Catalysis</i> , 2021, 4, 830-839.	16.1	86
10	Controlled Demolition and Reconstruction of Imidazolate and Carboxylate Metal-Organic Frameworks by Acid Gas Exposure and Linker Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 15582-15592.	1.8	4
11	Kinetically Controlled Linker Binding in Rare Earth-2,5-Dihydroxyterephthalic Acid Metal-Organic Frameworks and Its Predicted Effects on Acid Gas Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56337-56347.	4.0	15
12	Origin of Electronic Modification of Platinum in a Pt ₃ V Alloy and Its Consequences for Propane Dehydrogenation Catalysis. <i>ACS Applied Energy Materials</i> , 2020, 3, 1410-1422.	2.5	41
13	Structural trends in the dehydrogenation selectivity of palladium alloys. <i>Chemical Science</i> , 2020, 11, 5066-5081.	3.7	23
14	Stabilizing High Metal Loadings of Thermally Stable Platinum Single Atoms on an Industrial Catalyst Support. <i>ACS Catalysis</i> , 2019, 9, 3978-3990.	5.5	233
15	Nanoceria-Supported Single-Atom Platinum Catalysts for Direct Methane Conversion. <i>ACS Catalysis</i> , 2018, 8, 4044-4048.	5.5	214
16	Breaking the scaling relationship via thermally stable Pt/Cu single atom alloys for catalytic dehydrogenation. <i>Nature Communications</i> , 2018, 9, 4454.	5.8	451