

# Stephen C Purdy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7118865/publications.pdf>

Version: 2024-02-01

16  
papers

1,272  
citations

840776

11  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1630  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Breaking the scaling relationship via thermally stable Pt/Cu single atom alloys for catalytic dehydrogenation. <i>Nature Communications</i> , 2018, 9, 4454.   | 12.8 | 451       |
| 2  | Stabilizing High Metal Loadings of Thermally Stable Platinum Single Atoms on an Industrial Catalyst Support. <i>ACS Catalysis</i> , 2019, 9, 3978-3990.  | 11.2 | 233       |
| 3  | Nanoceria-Supported Single-Atom Platinum Catalysts for Direct Methane Conversion. <i>ACS Catalysis</i> , 2018, 8, 4044-4048.   | 11.2 | 214       |
| 4  | Propane Dehydrogenation on Single-Site [PtZn <sub>4</sub> ] Intermetallic Catalysts. <i>CheM</i> , 2021, 7, 387-405.   | 11.7 | 116       |
| 5  | Engineering catalyst supports to stabilize PdOx two-dimensional rafts for water-tolerant methane oxidation. <i>Nature Catalysis</i> , 2021, 4, 830-839.  | 34.4 | 86        |
| 6  | Origin of Electronic Modification of Platinum in a Pt <sub>3</sub> V Alloy and Its Consequences for Propane Dehydrogenation Catalysis. <i>ACS Applied Energy Materials</i> , 2020, 3, 1410-1422.                                     | 5.1  | 41        |
| 7  | Isolated Metal Sites in Cu-Zn-Y/Beta for Direct and Selective Butene-Rich C <sub>3+</sub> Olefin Formation from Ethanol. <i>ACS Catalysis</i> , 2021, 11, 9885-9897.   | 11.2 | 24        |
| 8  | Structural trends in the dehydrogenation selectivity of palladium alloys. <i>Chemical Science</i> , 2020, 11, 5066-5081.   | 7.4  | 23        |
| 9  | Multiple Promotional Effects of Vanadium Oxide on Boron Nitride for Oxidative Dehydrogenation of Propane. <i>Jacs Au</i> , 2022, 2, 1096-1104.   | 7.9  | 20        |
| 10 | 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 &amp; Interfaces</i> , 2021, 13, 56337-56347. | 8.0  | 15        |
| 11 | Selective Butene Formation in Direct Ethanol-to-C <sub>3+</sub> -Olefin Valorization over Zn-Y/Beta and Single-Atom Alloy Composite Catalysts Using In Situ-Generated Hydrogen. <i>ACS Catalysis</i> , 2021, 11, 7193-7209.          | 11.2 | 13        |
| 12 | Sulfur Tolerant Subnanometer Fe/Alumina Catalysts for Propane Dehydrogenation. <i>ACS Applied Nano Materials</i> , 2021, 4, 10055-10067.   | 5.0  | 13        |
| 13 | Catalytic activity and water stability of the MgO(111) surface for 2-pentanone condensation. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120234.  | 20.2 | 9         |
| 14 | Structure Evolution of Chemically Degraded ZIF-8. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9736-9741.   | 3.1  | 7         |
| 15 | Controlled Demolition and Reconstruction of Imidazolate and Carboxylate Metal-Organic Frameworks by Acid Gas Exposure and Linker Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 15582-15592.          | 3.7  | 4         |
| 16 | Detailed total scattering analysis of disorder in ZIF-8. <i>Journal of Applied Crystallography</i> , 2021, 54, 759-767.  | 4.5  | 3         |