

Farid El Gabaly

List of Publications by Year in descending order

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19
papers

656
citations

687363

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20
times ranked

1234
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The role of H-H interactions and impurities on the structure and energetics of H/Pd(111). Journal of Chemical Physics, 2022, 156, 044707. | 3.0 | 3 |
| 2 | Observation of Potential-Induced Hydration on the Surface of Ceramic Proton Conductors Using <i>In Situ</i> Near-Ambient Pressure X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 2928-2933. | 4.6 | 2 |
| 3 | Reversing the Irreversible: Thermodynamic Stabilization of LiAlH ₄ Nanoconfined Within a Nitrogen-Doped Carbon Host. ACS Nano, 2021, 15, 10163-10174. | 14.6 | 24 |
| 4 | Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. Angewandte Chemie, 2021, 133, 26019-26028. | 2.0 | 2 |
| 5 | Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. Angewandte Chemie - International Edition, 2021, 60, 25815-25824. | 13.8 | 11 |
| 6 | Stabilized open metal sites in bimetallic metal-organic framework catalysts for hydrogen production from alcohols. Journal of Materials Chemistry A, 2021, 9, 10869-10881. | 10.3 | 20 |
| 7 | Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage (Angew. Chem. 49/2021). Angewandte Chemie, 2021, 133, 26204-26204. | 2.0 | 0 |
| 8 | Nickel and Cobalt Oxidation State Evolution at Ni-Rich NMC Cathode Surfaces during Treatment. Journal of Physical Chemistry C, 2020, 124, 16508-16514. | 3.1 | 17 |
| 9 | The Inside-Outs of Metal Hydride Dehydrogenation: Imaging the Phase Evolution of the Li-N-H Hydrogen Storage System. Advanced Materials Interfaces, 2020, 7, 1901905. | 3.7 | 9 |
| 10 | Identifying the Role of Dynamic Surface Hydroxides in the Dehydrogenation of Ti-Doped NaAlH ₄ . ACS Applied Materials & Interfaces, 2019, 11, 4930-4941. | 8.0 | 19 |
| 11 | Anomalous H ₂ Desorption Rate of NaAlH ₄ Confined in Nitrogen-Doped Nanoporous Carbon Frameworks. Chemistry of Materials, 2018, 30, 2930-2938. | 6.7 | 45 |
| 12 | Simple Stochastic Model of Multiparticle Battery Electrodes Undergoing Phase Transformations. Physical Review Applied, 2018, 10, . | 3.8 | 17 |
| 13 | Molecular Dynamics Simulations of Hydrogen Diffusion in Aluminum. Journal of Physical Chemistry C, 2016, 120, 7500-7509. | 3.1 | 36 |
| 14 | MOF-Based Catalysts for Selective Hydrogenolysis of Carbon-Oxygen Ether Bonds. ACS Catalysis, 2016, 6, 55-59. | 11.2 | 82 |
| 15 | Observation of Oxygen Vacancy Filling under Water Vapor in Ceramic Proton Conductors in Situ with Ambient Pressure XPS. Chemistry of Materials, 2013, 25, 4690-4696. | 6.7 | 53 |
| 16 | Intercalation Pathway in Many-Particle LiFePO ₄ Electrode Revealed by Nanoscale State-of-Charge Mapping. Nano Letters, 2013, 13, 866-872. | 9.1 | 206 |
| 17 | Oxidation stages of Ni electrodes in solid oxide fuel cell environments. Physical Chemistry Chemical Physics, 2013, 15, 8334. | 2.8 | 47 |
| 18 | Electrochemical intermediate species and reaction pathway in H ₂ oxidation on solid electrolytes. Chemical Communications, 2012, 48, 8338. | 4.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Measuring individual overpotentials in an operating solid-oxide electrochemical cell. Physical Chemistry Chemical Physics, 2010, 12, 12138. | 2.8 | 48 |