

# Farid El Gabaly

## List of Publications by Year in descending order

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19  
papers

656  
citations

687363

13  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercalation Pathway in Many-Particle $\text{LiFePO}_4$ Electrode Revealed by Nanoscale State-of-Charge Mapping. <i>Nano Letters</i> , 2013, 13, 866-872.	9.1	206
2	MOF-Based Catalysts for Selective Hydrogenolysis of Carbon-Oxygen Ether Bonds. <i>ACS Catalysis</i> , 2016, 6, 55-59.	11.2	82
3	Observation of Oxygen Vacancy Filling under Water Vapor in Ceramic Proton Conductors in Situ with Ambient Pressure XPS. <i>Chemistry of Materials</i> , 2013, 25, 4690-4696.	6.7	53
4	Measuring individual overpotentials in an operating solid-oxide electrochemical cell. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12138.	2.8	48
5	Oxidation stages of Ni electrodes in solid oxide fuel cell environments. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8334.	2.8	47
6	Anomalous $\text{H}_2$ Desorption Rate of $\text{NaAlH}_4$ Confined in Nitrogen-Doped Nanoporous Carbon Frameworks. <i>Chemistry of Materials</i> , 2018, 30, 2930-2938.	6.7	45
7	Molecular Dynamics Simulations of Hydrogen Diffusion in Aluminum. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7500-7509.	3.1	36
8	Reversing the Irreversible: Thermodynamic Stabilization of $\text{LiAlH}_4$ Nanoconfined Within a Nitrogen-Doped Carbon Host. <i>ACS Nano</i> , 2021, 15, 10163-10174.	14.6	24
9	Stabilized open metal sites in bimetallic metal-organic framework catalysts for hydrogen production from alcohols. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10869-10881.	10.3	20
10	Identifying the Role of Dynamic Surface Hydroxides in the Dehydrogenation of Ti-Doped $\text{NaAlH}_4$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4930-4941.	8.0	19
11	Simple Stochastic Model of Multiparticle Battery Electrodes Undergoing Phase Transformations. <i>Physical Review Applied</i> , 2018, 10, .	3.8	17
12	Nickel and Cobalt Oxidation State Evolution at Ni-Rich NMC Cathode Surfaces during Treatment. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16508-16514.	3.1	17
13	Electrochemical intermediate species and reaction pathway in $\text{H}_2$ oxidation on solid electrolytes. <i>Chemical Communications</i> , 2012, 48, 8338.	4.1	15
14	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25815-25824.	13.8	11
15	The Inside-Outs of Metal Hydride Dehydrogenation: Imaging the Phase Evolution of the $\text{Li-Ni-H}$ Hydrogen Storage System. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901905.	3.7	9
16	The role of H-H interactions and impurities on the structure and energetics of $\text{H}/\text{Pd}(111)$ . <i>Journal of Chemical Physics</i> , 2022, 156, 044707.	3.0	3
17	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie</i> , 2021, 133, 26019-26028.	2.0	2
18	Observation of Potential-Induced Hydration on the Surface of Ceramic Proton Conductors Using <i>In Situ</i> Near-Ambient Pressure X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2928-2933.	4.6	2

#	ARTICLE	IF	CITATIONS
19	Abstract: 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