

# Katherine E Hurst

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,360  
citations

687363

13  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of an Intermediate to H <sub>2</sub> Binding in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 14884-14894.	13.7	32
2	The Effect of Material Properties on Oxygen Evolution Activity and Assessing Half-Cell Screening as a Predictive Tool in Electrolysis. <i>Journal of the Electrochemical Society</i> , 2021, 168, 104503.	2.9	3
3	Thermal Activation of a Copper-Loaded Covalent Organic Framework for Near-Ambient Temperature Hydrogen Storage and Delivery. , 2020, 2, 227-232.		21
4	An International Laboratory Comparison Study of Volumetric and Gravimetric Hydrogen Adsorption Measurements. <i>ChemPhysChem</i> , 2019, 20, 1997-2009.	2.1	26
5	Phenyl/Perfluorophenyl Stacking Interactions Enhance Structural Order in Two-Dimensional Covalent Organic Frameworks. <i>Crystal Growth and Design</i> , 2018, 18, 4160-4166.	3.0	31
6	Mercury Underpotential Deposition to Determine Iridium and Iridium Oxide Electrochemical Surface Areas. <i>Journal of the Electrochemical Society</i> , 2016, 163, F3051-F3056.	2.9	63
7	An international multi-laboratory investigation of carbon-based hydrogen sorbent materials. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	20
8	A core-level spectroscopic investigation of the preparation and electrochemical cycling of nitrogen-modified carbon as a model catalyst support. <i>Journal of Materials Chemistry A</i> , 2016, 4, 443-450.	10.3	3
9	Enhanced Fuel Cell Catalyst Durability with Nitrogen Modified Carbon Supports. <i>Journal of the Electrochemical Society</i> , 2013, 160, F389-F394.	2.9	16
10	In situ small-angle x-ray scattering analysis of improved catalyst-support interactions through nitrogen modification. <i>MRS Communications</i> , 2012, 2, 85-89.	1.8	10
11	Manipulation of Hydrogen Binding Energy and Desorption Kinetics by Boron Doping of High Surface Area Carbon. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26138-26143.	3.1	7
12	Pt-Ru Alloyed Fuel Cell Catalysts Sputtered from a Single Alloyed Target. <i>ACS Catalysis</i> , 2011, 1, 1307-1315.	11.2	32
13	Evaluating the characteristics of multiwall carbon nanotubes. <i>Carbon</i> , 2011, 49, 2581-2602.	10.3	951
14	Core-shell composite of SiCN and multiwalled carbon nanotubes from toluene dispersion. <i>Journal of Materials Science</i> , 2010, 45, 4251-4254.	3.7	22
15	Quartz-crystal microbalance for in situ monitoring of laser cleaning of carbon nanotubes. <i>Carbon</i> , 2010, 48, 2521-2525.	10.3	6
16	Black optical coating for high-power laser measurements from carbon nanotubes and silicate. <i>Optics Letters</i> , 2009, 34, 193.	3.3	9
17	Measurement of the reversible hydrogen storage capacity of milligram Ti-6Al-4V alloy samples with temperature programmed desorption and volumetric techniques. <i>Journal of Alloys and Compounds</i> , 2008, 454, 483-490.	5.5	25
18	Purification of Single Wall Carbon Nanotubes As a Function of UV Wavelength, Atmosphere, and Temperature. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16296-16300.	3.1	21

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19	High-performance carbon nanotube coatings for high-power laser radiometry. Journal of Applied Physics, 2008, 103, .	2.5	33
20	Inverted Spectra of Single-Wall Carbon Nanotube Films. Journal of Physical Chemistry C, 2008, 112, 11776-11778.	3.1	3
21	Multiwall carbon nanotube absorber on a thin-film lithium niobate pyroelectric detector. Optics Letters, 2007, 32, 772.	3.3	26