

Joel D Brock

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

921
citations

932766

10
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalysis in Alkaline Media and Alkaline Membrane-Based Energy Technologies. <i>Chemical Reviews</i> , 2022, 122, 6117-6321.	23.0	195
2	<i>Operando</i> Methods in Electrocatalysis. <i>ACS Catalysis</i> , 2021, 11, 1136-1178.	5.5	131
3	<i>In Situ</i> X-ray Absorption Spectroscopy of a Synergistic Co-Mn Oxide Catalyst for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 1463-1466.	6.6	121
4	Revealing the atomic ordering of binary intermetallics using in situ heating techniques at multilength scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1974-1983.	3.3	98
5	Direct visualization of sulfur cathodes: new insights into Li-S batteries via <i>operando</i> X-ray based methods. <i>Energy and Environmental Science</i> , 2018, 11, 202-210.	15.6	96
6	Regulating Key Variables and Visualizing Lithium Dendrite Growth: An <i>Operando</i> X-ray Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 8441-8449.	6.6	96
7	Structure of the Photo-catalytically Active Surface of SrTiO ₃ . <i>Journal of the American Chemical Society</i> , 2016, 138, 7816-7819.	6.6	64
8	Post-deposition reorganization of pentacene films deposited on low-energy surfaces. <i>Journal of Materials Chemistry</i> , 2009, 19, 5580.	6.7	60
9	SnS/C nanocomposites for high-performance sodium ion battery anodes. <i>RSC Advances</i> , 2018, 8, 23847-23853.	1.7	28
10	Strain and oxygen vacancy ordering in SrTiO ₃ studied by <i>in situ</i> diffuse x-ray scattering studies. <i>Physical Review B</i> , 2015, 92, .	1.1	10
11	Epitaxial crystals of Bi ₂ Pt ₂ O ₇ pyrochlore through the transformation of Bi ₂ O ₃ fluorite. <i>APL Materials</i> , 2015, 3, .	2.2	8
12	CHEMISTRY: Watching Atoms Move. <i>Science</i> , 2007, 315, 609-610.	6.0	7
13	Relaxation of asymmetric crystallographic tilt: <i>In situ</i> x-ray diffraction studies of epitaxial electrodeposition of bismuth on GaAs (110). <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	3
14	X-ray reflectivity with a twist: Quantitative time-resolved X-ray reflectivity using monochromatic synchrotron radiation. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	3
15	Quantifying the Atomic Ordering of Binary Intermetallic Nanocatalysts Using <i>In Situ</i> Heating STEM and XRD. <i>Microscopy and Microanalysis</i> , 2019, 25, 1488-1489.	0.2	1
16	Efficient high-pass filtering with practical, high-yield X-ray transmission mirror optics. <i>Powder Diffraction</i> , 2020, 35, S3-S7.	0.4	0