Andrew A Wong

List of Publications by Year
in descending order

15	482	933447 10	1125743 13
papers	citations	h-index	g-index

15	15	15	624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extremely Stable Anthraquinone Negolytes Synthesized from Common Precursors. CheM, 2020, 6, 1432-1442.	11.7	100
2	A High Voltage Aqueous Zincâ€“Organic Hybrid Flow Battery. Advanced Energy Materials, 2019, 9, 1900694.	19.5	97
3	UV-Vis spectrophotometry of quinone flow battery electrolyte for in situ monitoring and improved electrochemical modeling of potential and quinhydrone formation. Physical Chemistry Chemical Physics, 2017, 19, 31684-31691.	2.8	57
4	Advanced manufacturing for electrosynthesis of fuels and chemicals from CO₂. Energy and Environmental Science, 2021, 14, 3064-3074.	30.8	50
5	The Effect of Interdigitated Channel and Land Dimensions on Flow Cell Performance. Journal of the Electrochemical Society, 2018, 165, A2625-A2643.	2.9	43
6	In situelectrosynthesis of anthraquinone electrolytes in aqueous flow batteries. Green Chemistry, 2020, 22, 6084-6092.	9.0	29
7	Direct Visualization of Electrochemical Reactions and Comparison of Commercial Carbon Papers in operando by Fluorescence Microscopy Using a Quinone-Based Flow Cell. ECS Transactions, 2017, 77, 153-161.	0.5	25
8	Direct visualization of electrochemical reactions and heterogeneous transport within porous electrodes in operando by fluorescence microscopy. Cell Reports Physical Science, 2021, 2, 100388.	5.6	24
9	Method for Comparing Porous Carbon Electrode Performance in Redox Flow Batteries. Journal of the Electrochemical Society, 2020, 167, 110542.	2.9	19
10	Rational Evaluation and Cycle Life Improvement of Quinone-Based Aqueous Flow Batteries Guided by In-Line Optical Spectrophotometry. Journal of the Electrochemical Society, 2018, 165, A1770-A1776.	2.9	15
11	Nano-needle structured, ambipolar high electrical conductivity SnOx (xâ€‰â‰â€‰1) thin films for infrared optoelectronics. Journal of Applied Physics, 2015, 117, .	2.5	10
12	Comparative Techno-Economic and Life Cycle Analysis of Water Oxidation and Hydrogen Oxidation at the Anode in a CO₂ Electrolysis to Ethylene System. ACS Sustainable Chemistry and Engineering, 2021, 9, 14678-14689.	6.7	9
13	High-performance infrared light trapping in nano-needle structured p^+ SnO_x (xâ€‰â€‰â‰â€‰â€‰1)/thin film n-Ge photodiodes on Si. Optics Letters, 2015, 40, 2603.	3.3	3
14	Nanostructured Conductive SnOx (x<2) for High Efficiency Light Trapping in Thin film and 2D Material Photonic Devices. , 2015, , .		1
15	Imaging the native inversion layer under buried oxide in silicon-on-insulator radio frequency device technology via scanning surface photovoltage microscopy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 052906.	1.2	0