

Yair Cohen

List of Publications by Year in descending order

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25
papers

1,742
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

2631
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the Effect of Aliphatic Molecular Plugs on Ion-Rejecting Properties of Polyamide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13335-13343.	8.0	2
2	Exploring the mechanical stability of manganese oxide as an electrocatalyst via in-situ surface stress and electrochemical quartz crystal microbalance studies. <i>Journal of Power Sources</i> , 2021, 506, 230137.	7.8	0
3	Insights into the surface and stress behavior of manganese-oxide catalyst during oxygen reduction reaction. <i>Journal of Power Sources</i> , 2020, 450, 227545.	7.8	7
4	Tuning Chemical and Physical Properties of Phosphorus Corroles for Advanced Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 11383-11388.	3.3	15
5	Measuring the water content in freshly-deposited fingermarks. <i>Forensic Science International</i> , 2019, 294, 204-210.	2.2	18
6	In situ surface stress measurement and computational analysis examining the oxygen reduction reaction on Pt and Pd. <i>Electrochimica Acta</i> , 2018, 260, 400-406.	5.2	14
7	Electrochemical Surface Stress Development during CO and NO Oxidation on Pt. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8674-8683.	3.1	22
8	Probing Order Phenomena and Interactions in Molten Salt Binary Mixtures with Impedance Spectroscopy and Cyclic Voltammetry. <i>Journal of the Electrochemical Society</i> , 2016, 163, H377-H383.	2.9	0
9	<i>In Situ</i> Electrochemical Stress Measurements Examining the Oxygen Evolution Reaction in Basic Electrolytes. <i>Analytical Chemistry</i> , 2014, 86, 11290-11297.	6.5	13
10	The influence of geometry in 2D simulation on the charge/discharge processes in Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2012, 682, 53-65.	3.8	13
11	Reply to Comment on Highly Doped Silicon Electrodes for the Electrochemical Modification of Self-Assembled Siloxane-Anchored Monolayers: A Feasibility Study. <i>Langmuir</i> , 2002, 18, 960-960.	3.5	0
12	The study of lithium insertion/deinsertion processes into composite graphite electrodes by in situ atomic force microscopy (AFM). <i>Electrochemistry Communications</i> , 2002, 4, 17-23.	4.7	72
13	Highly Doped Silicon Electrodes for the Electrochemical Modification of Self-Assembled Siloxane-Anchored Monolayers: A Feasibility Study. <i>Langmuir</i> , 2001, 17, 1608-1619.	3.5	11
14	Study of lithium insertion into electrochemically synthesized sodium vanadium oxide. <i>Journal of Power Sources</i> , 2001, 97-98, 486-490.	7.8	8
15	On the Mechanisms of Reversible Magnesium Deposition Processes. <i>Journal of the Electrochemical Society</i> , 2001, 148, A1004.	2.9	176
16	Carbon Electrodes for Double-Layer Capacitors I. Relations Between Ion and Pore Dimensions. <i>Journal of the Electrochemical Society</i> , 2000, 147, 2486.	2.9	519
17	Preparation of amorphous magnetite nanoparticles embedded in polyvinyl alcohol using ultrasound radiation. <i>Journal of Materials Chemistry</i> , 2000, 10, 1125-1129.	6.7	179
18	Atomic force microscopy study of the morphology of polythiophene films grafted onto the surface of a Pt microelectrode array. <i>Synthetic Metals</i> , 2000, 109, 55-65.	3.9	12

#	ARTICLE	IF	CITATIONS
19	Micromorphological Studies of Lithium Electrodes in Alkyl Carbonate Solutions Using in Situ Atomic Force Microscopy. Journal of Physical Chemistry B, 2000, 104, 12282-12291.	2.6	309
20	The use of a special work station for in situ measurements of highly reactive electrochemical systems by atomic force and scanning tunneling microscopes. Review of Scientific Instruments, 1999, 70, 4668-4675.	1.3	37
21	Simultaneous in-situ conductivity and cyclic voltammetry characterization of Li-ion intercalation into thin V2O5 films. Journal of Electroanalytical Chemistry, 1999, 479, 12-20.	3.8	19
22	Organized Silica Microspheres Carrying Ferromagnetic Cobalt Nanoparticles as a Basis for Tip Arrays in Magnetic Force Microscopy. Journal of Physical Chemistry B, 1998, 102, 10234-10242.	2.6	21
23	The preparation of metal-polymer composite materials using ultrasound radiation. Journal of Materials Research, 1998, 13, 211-216.	2.6	26
24	Morphological Studies of Li Deposition Processes in LiAsF6/PC Solutions by In Situ Atomic Force Microscopy. Journal of the Electrochemical Society, 1997, 144, 3355-3360.	2.9	72
25	The Application of Atomic Force Microscopy for the Study of Li Deposition Processes. Journal of the Electrochemical Society, 1996, 143, 3525-3532.	2.9	177