

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	Carbon Electrodes for Double-Layer Capacitors I. Relations Between Ion and Pore Dimensions. Journal of the Electrochemical Society, 2000, 147, 2486.	2.9	519
2	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
3	Preparation of amorphous magnetite nanoparticles embedded in polyvinyl alcohol using ultrasound radiation. Journal of Materials Chemistry, 2000, 10, 1125-1129.	6.7	179
4	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
5	On the Mechanisms of Reversible Magnesium Deposition Processes. Journal of the Electrochemical Society, 2001, 148, A1004.	2.9	176
6	Morphological Studies of Li Deposition Processes in LiAsF ₆ /PC Solutions by In Situ Atomic Force Microscopy. Journal of the Electrochemical Society, 1997, 144, 3355-3360.	2.9	72
7	The study of lithium insertion/deinsertion processes into composite graphite electrodes by in situ atomic force microscopy (AFM). Electrochemistry Communications, 2002, 4, 17-23.	4.7	72
8	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
9	The preparation of metal-polymer composite materials using ultrasound radiation. Journal of Materials Research, 1998, 13, 211-216.	2.6	26
10	Electrochemical Surface Stress Development during CO and NO Oxidation on Pt. Journal of Physical Chemistry C, 2016, 120, 8674-8683.	3.1	22
11	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
12	Simultaneous in-situ conductivity and cyclic voltammetry characterization of Li-ion intercalation into thin V ₂ O ₅ films. Journal of Electroanalytical Chemistry, 1999, 479, 12-20.	3.8	19
13	Measuring the water content in freshly-deposited fingermarks. Forensic Science International, 2019, 294, 204-210.	2.2	18
14	Tuning Chemical and Physical Properties of Phosphorus Corroles for Advanced Applications. Chemistry - A European Journal, 2019, 25, 11383-11388.	3.3	15
15	In situ surface stress measurement and computational analysis examining the oxygen reduction reaction on Pt and Pd. Electrochimica Acta, 2018, 260, 400-406.	5.2	14
16	The influence of geometry in 2D simulation on the charge/discharge processes in Li-ion batteries. Journal of Electroanalytical Chemistry, 2012, 682, 53-65.	3.8	13
17	<i>In Situ</i> Electrochemical Stress Measurements Examining the Oxygen Evolution Reaction in Basic Electrolytes. Analytical Chemistry, 2014, 86, 11290-11297.	6.5	13
18	Atomic force microscopy study of the morphology of polythiophene films grafted onto the surface of a Pt microelectrode array. Synthetic Metals, 2000, 109, 55-65.	3.9	12

#	ARTICLE	IF	CITATIONS
19	Highly Doped Silicon Electrodes for the Electrochemical Modification of Self-Assembled Siloxane-Anchored Monolayers: A Feasibility Study. Langmuir, 2001, 17, 1608-1619.	3.5	11
20	Study of lithium insertion into electrochemically synthesized sodium vanadium oxide. Journal of Power Sources, 2001, 97-98, 486-490.	7.8	8
21	Insights into the surface and stress behavior of manganese-oxide catalyst during oxygen reduction reaction. Journal of Power Sources, 2020, 450, 227545.	7.8	7
22	Elucidating the Effect of Aliphatic Molecular Plugs on Ion-Rejecting Properties of Polyamide Membranes. ACS Applied Materials & Interfaces, 2022, 14, 13335-13343.	8.0	2
23	Reply to Comment on Highly Doped Silicon Electrodes for the Electrochemical Modification of Self-Assembled Siloxane-Anchored Monolayers: A Feasibility Study. Langmuir, 2002, 18, 960-960.	3.5	0
24	Probing Order Phenomena and Interactions in Molten Salt Binary Mixtures with Impedance Spectroscopy and Cyclic Voltammetry. Journal of the Electrochemical Society, 2016, 163, H377-H383.	2.9	0
25	Exploring the mechanical stability of manganese oxide as an electrocatalyst via in-situ surface stress and electrochemical quartz crystal microbalance studies. Journal of Power Sources, 2021, 506, 230137.	7.8	0