Hasti Asayesh-Ardakani

List of Publications by Year
in descending order

22	774	759233 12	839539 18
papers	citations	h-index	g-index

22	22	22	1683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cations controlled growth of Î²-MnO2 crystals with tunable facets for electrochemical energy storage. Nano Energy, 2018, 48, 301-311.	16.0	56
2	Energy-driven surface evolution in beta-MnO2 structures. Nano Research, 2018, 11, 206-215.	10.4	15
3	Modulating the Hysteresis of an Electronic Transition: Launching Alternative Transformation Pathways in the Metalâ€“Insulator Transition of Vanadium(IV) Oxide. Chemistry of Materials, 2018, 30, 214-224.	6.7	20
4	Facet-Dependent Thermal Instability in LiCoO₂. Nano Letters, 2017, 17, 2165-2171.	9.1	99
5	Postsynthetic Route for Modifying the Metalâ€"Insulator Transition of VO₂ by Interstitial Dopant Incorporation. Chemistry of Materials, 2017, 29, 5401-5412.	6.7	36
6	Direct evidence of M2 phase during the monoclinic-tetragonal (rutile) phase transition of W-doped VO2 nanowires. Applied Physics Letters, 2017, 110, .	3.3	11
7	Multiâ€Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. Angewandte Chemie - International Edition, 2017, 56, 16028-16031.	13.8	12
8	In Situ TEM Investigation of ZnO Nanowires during Sodiation and Lithiation Cycling. Small Methods, 2017, 1, 1700202.	8.6	45
9	Multiâ€Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. Angewandte Chemie, 2017, 129, 16244-16247.	2.0	1
10	Simultaneous Structural and Electrical Analysis of Vanadium Dioxide Using In Situ TEM. Microscopy and Microanalysis, 2017, 23, 1672-1673.	0.4	1
11	In situ cooling and heating study of VO 2 phase transition. Microscopy and Microanalysis, 2016, 22, 816-817.	0.4	0
12	Atomic Resolution Studies of W Dopants Effect on the Phase Transformation of VO2. Microscopy and Microanalysis, 2016, 22, 884-885.	0.4	1
13	Effect of Mechanical Stress on Lithiation and Sodiation Process. Microscopy and Microanalysis, 2016, 22, 1382-1383.	0.4	0
14	Synthesis and Characterization of Paramagnetic Iron Nanoparticles with Minimal Gold Coating for Optimal Drug Delivery. Microscopy and Microanalysis, 2016, 22, 1096-1097.	0.4	0
15	Stabilizing metastable tetragonal HfO₂ using a non-hydrolytic solution-phase route: ligand exchange as a means of controlling particle size. Chemical Science, 2016, 7, 4930-4939.	7.4	29
16	Ultrafast and Highly Reversible Sodium Storage in Zincâ€Antimony Intermetallic Nanomaterials. Advanced Functional Materials, 2016, 26, 543-552.	14.9	81
17	In situ TEM Observation of Lithiation and Sodiation Process of ZnO Nanowire. Microscopy and Microanalysis, 2015, 21, 1371-1372.	0.4	2
18	Asynchronous Crystal Cell Expansion during Lithiation of K⁺-Stabilized Î±-MnO₂. Nano Letters, 2015, 15, 2998-3007.	9.1	161

#	ARTICLE	IF	CITATIONS
19	Atomic Origins of Monoclinic-Tetragonal (Rutile) Phase Transition in Doped VO₂ Nanowires. Nano Letters, 2015, 15, 7179-7188.	9.1	52
20	Lithiation-Induced Shuffling of Atomic Stacks. Nano Letters, 2014, 14, 5301-5307.	9.1	18
21	Atomic Resolution Study of Local Strains in Doped VO2 Nanowires. Microscopy and Microanalysis, 2014, 20, 1074-1075.	0.4	0
22	Atomic-Scale Observation of Lithiation Reaction Front in Nanoscale SnO₂ Materials. ACS Nano, 2013, 7, 6203-6211.	14.6	134