Masoud Aryanpour

List of Publications by Year
in descending order

16	699	840776 11	996975 15
papers	citations	h-index	g-index

16	16	16	1242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a Reactive Force Field for Ironâ"Oxyhydroxide Systems. Journal of Physical Chemistry A, 2010, 114, 6298-6307.	2.5	199
2	ATRâ€"FTIR and Density Functional Theory Study of the Structures, Energetics, and Vibrational Spectra of Phosphate Adsorbed onto Goethite. Langmuir, 2012, 28, 14573-14587.	3.5	142
3	Differential Pair Distribution Function Study of the Structure of Arsenate Adsorbed on Nanocrystalline Î³-Alumina. Environmental Science & Technology, 2011, 45, 9687-9692.	10.0	66
4	Aluminum coprecipitates with Fe (hydr)oxides: Does isomorphous substitution of Al3+ for Fe3+ in goethite occur?. Geochimica Et Cosmochimica Acta, 2011, 75, 4667-4683.	3.9	54
5	Mechanism of Molecular Oxygen Reduction at the Cathode of a PEM Fuel Cell: Non-Electrochemical Reactions on Catalytic Pt Particles. Journal of Physical Chemistry C, 2008, 112, 8464-8475.	3.1	48
6	First-Principles Analysis of Oxygen-Containing Adsorbates Formed from the Electrochemical Discharge of Water on Pt(111). Journal of Physical Chemistry C, 2008, 112, 9760-9768.	3.1	45
7	Activity Descriptor for Catalytic Reactions on Doped Cerium Oxide. ACS Catalysis, 2013, 3, 1253-1262.	11.2	39
8	Tungsten-Doped Titanium Dioxide in the Rutile Structure: Theoretical Considerations. Chemistry of Materials, 2009, 21, 1627-1635.	6.7	32
9	Coupled Ionic-Electronic Equivalent Circuit to Describe Asymmetric Rise and Decay of Photovoltage Profile in Perovskite Solar Cells. Scientific Reports, 2019, 9, 11962.	3.3	31
10	Convergent Iterative Constrained Variation Algorithm for Calculation of Electron-Transfer Transition States. Journal of the Electrochemical Society, 2006, 153, E52.	2.9	15
11	Staging and In-Plane Superstructures Formed in Layered NaMO₂{M = Sc, Ti, V, Cr, Mn} during Na De-Intercalation: A Computational Study. Journal of the Electrochemical Society, 2015, 162, A511-A519.	2.9	13
12	Quantum mechanical calculations on FeOH nanoparticles. Geoderma, 2012, 189-190, 236-242.	5.1	10
13	Computational investigation of gas detection and selectivity on TiS3 nanoflakes supported by experimental evidence. Physical Chemistry Chemical Physics, 2018, 20, 25458-25466.	2.8	3
14	Computational Study of Site-Specific Correlations among Oxygen Reduction Intermediates on Pd3Y (111). Journal of Advanced Catalysis Science and Technology, 2014, 1, 1-9.	1.0	1
15	An Analytical 2D Formulation for the Combined Cooling of PCM-Covered Cylindrical Battery Cells. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	1
16	An algorithm for mass matrix calculation of internally constrained molecular geometries. Journal of Chemical Physics, 2008, 128, 044113.	3.0	0