

# Masoud Aryanpour

## List of Publications by Year in descending order

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16  
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840776

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docs citations

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times ranked

1242  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Analytical 2D Formulation for the Combined Cooling of PCM-Covered Cylindrical Battery Cells. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	1
2	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
3	Computational investigation of gas detection and selectivity on TiS <sub>3</sub> nanoflakes supported by experimental evidence. Physical Chemistry Chemical Physics, 2018, 20, 25458-25466.	2.8	3
4	Staging and In-Plane Superstructures Formed in Layered NaMO <sub>2</sub> (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
5	Computational Study of Site-Specific Correlations among Oxygen Reduction Intermediates on Pd <sub>3</sub> Y (111). Journal of Advanced Catalysis Science and Technology, 2014, 1, 1-9.	1.0	1
6	Activity Descriptor for Catalytic Reactions on Doped Cerium Oxide. ACS Catalysis, 2013, 3, 1253-1262.	11.2	39
7	ATR-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
8	Quantum mechanical calculations on FeOH nanoparticles. Geoderma, 2012, 189-190, 236-242.	5.1	10
9	Differential Pair Distribution Function Study of the Structure of Arsenate Adsorbed on Nanocrystalline $\gamma$ -Alumina. Environmental Science & Technology, 2011, 45, 9687-9692.	10.0	66
10	Aluminum coprecipitates with Fe (hydr)oxides: Does isomorphous substitution of Al <sup>3+</sup> for Fe <sup>3+</sup> in goethite occur?. Geochimica Et Cosmochimica Acta, 2011, 75, 4667-4683.	3.9	54
11	Development of a Reactive Force Field for Iron-Oxyhydroxide Systems. Journal of Physical Chemistry A, 2010, 114, 6298-6307.	2.5	199
12	Tungsten-Doped Titanium Dioxide in the Rutile Structure: Theoretical Considerations. Chemistry of Materials, 2009, 21, 1627-1635.	6.7	32
13	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
14	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
15	An algorithm for mass matrix calculation of internally constrained molecular geometries. Journal of Chemical Physics, 2008, 128, 044113.	3.0	0
16	Convergent Iterative Constrained Variation Algorithm for Calculation of Electron-Transfer Transition States. Journal of the Electrochemical Society, 2006, 153, E52.	2.9	15