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List of Publications by Year
in descending order

25 papers	246 citations	933447 10 h-index	996975 15 g-index
25 all docs	25 docs citations	25 times ranked	244 citing authors

#	Article	IF	Citations
1	Hydrogen storage in MIL-88 series. Journal of Materials Science, 2019, 54, 3994-4010.	3.7	27
2	Selectivity of Palladiumâ€“Cobalt Surface Alloy toward Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2012, 116, 6200-6207.	3.1	24
3	Effects of Co Content in Pd-Skin/PdCo Alloys for Oxygen Reduction Reaction: Density Functional Theory Predictions. Journal of Physical Chemistry C, 2015, 119, 24364-24372.	3.1	20
4	Insight into Trimeric Formation of Nitric Oxide on Cu(111): A Density Functional Theory Study. Journal of Physical Chemistry C, 2020, 124, 2968-2977.	3.1	18
5	Electronic and optical properties of monolayer MoS₂under the influence of polyethyleneimine adsorption and pressure. RSC Advances, 2020, 10, 4201-4210.	3.6	17
6	Enhancing hydrogen storage by metal substitution in MIL-88A metal-organic framework. Adsorption, 2020, 26, 509-519.	3.0	15
7	N-type and p-type molecular doping on monolayer MoS₂. RSC Advances, 2021, 11, 8033-8041.	3.6	15
8	Recent Advances in Electrochemical Water Splitting and Reduction of CO₂ into Green Fuels on 2D Phosphoreneâ€Based Catalyst. Energy Technology, 2021, 9, .	3.8	14
9	Hydrogen Bond-Induced Nitric Oxide Dissociation on Cu(110). Journal of Physical Chemistry C, 2018, 122, 11814-11824.	3.1	11
10	Mechanism and activity of the oxygen reduction reaction on WTe₂ transition metal dichalcogenide with Te vacancy. RSC Advances, 2020, 10, 8460-8469.	3.6	11
11	Simultaneous adsorption of SO₂ and CO₂ in an Ni(bdc)(ted)_{0.5} metalâ€“organic framework. RSC Advances, 2018, 8, 38648-38655.	3.6	10
12	How do the doping concentrations of N and B in graphene modify the water adsorption?. RSC Advances, 2021, 11, 19560-19568.	3.6	10
13	First-principles study of Pd-skin/Pd3Fe(111) electrocatalyst for oxygen reduction reaction. Journal of Applied Electrochemistry, 2017, 47, 747-754.	2.9	8
14	Oxygen Reduction on Pt(111) Cathode of Fuel Cells. Journal of the Physical Society of Japan, 2009, 78, 114601.	1.6	7
15	A computational approach towards understanding hydrogen gas adsorption in Coâ€“MIL-88A. RSC Advances, 2017, 7, 39583-39593.	3.6	7
16	Monolayer transition-metal dichalcogenides with polyethyleneimine adsorption. Journal of Computational Electronics, 2021, 20, 135-150.	2.5	7
17	Hydronium Adsorption on OOH Precovered Pt(111) Surface: Effects of Electrode Potential. Journal of Nanoscience and Nanotechnology, 2011, 11, 2983-2989.	0.9	5
18	Crystallization of supercooled liquid and glassy Fe thin films. Computational Materials Science, 2014, 95, 491-501.	3.0	5

#	Article	IF	Citations
19	Insights into Effects of Metal Cations on the Adsorption of Benzotriazole on Halloysite Nanotubes: An Experimental and DFT Study. Journal of Physical Chemistry C, 2022, 126, 2920-2929.	3.1	5
20	Ab-initio study of surface oxide formation in Pt(111) electrocatalyst under influences of O2-containing intermediates of oxygen reduction reaction. Journal of Applied Electrochemistry, 2016, 46, 1031-1038.	2.9	4
21	Influences of Electrode Potential on Mechanism of Oxygen Reduction Reaction on Pd-Skin/Pd3Fe(111) Electrocatalyst: Insights from DFT-Based Calculations. Electrocatalysis, 2018, 9, 10-21.	3.0	4
22	Transport Properties of an Aharonov-Bohm Interferometer with an In-line Quantum Dot. E-Journal of Surface Science and Nanotechnology, 2007, 5, 29-32.	0.4	1
23	Magnetic anisotropy of ultrathin Pd 4 Co(111) film by first-principles calculations. Journal of Science: Advanced Materials and Devices, 2018, 3, 243-253.	3.1	1
24	Mechanism of Oxygen Reduction Reaction on Monolayer WTe₂ with and without S Dopant at Low Coverage. E-Journal of Surface Science and Nanotechnology, 2021, 19, 119-124.	0.4	0
25	Insights into Interaction of CO(_2) with N and B-doped Graphenes. Communications in Physics, 2022, 32, .	0.0	0