

Nasim Hassani

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

316
citations

1163117

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888059

17
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21
all docs

21
docs citations

21
times ranked

157
citing authors

#	ARTICLE	IF	CITATIONS
1	Trilayer Metal-Organic Frameworks as Multifunctional Electrocatalysts for Energy Conversion and Storage Applications. <i>Journal of the American Chemical Society</i> , 2022, 144, 3411-3428.	13.7	142
2	Cu ₂ O/TiO ₂ nanoparticles as visible light photocatalysts concerning C(sp ²)-P bond formation. <i>Catalysis Science and Technology</i> , 2018, 8, 4044-4051.	4.1	41
3	The inhibition performance of quinoa seed on corrosion behavior of carbon steel in the HCl solution; theoretical and experimental evaluations. <i>Journal of Molecular Liquids</i> , 2021, 335, 116183.	4.9	26
4	Breakdown of Universal Scaling for Nanometer-Sized Bubbles in Graphene. <i>Nano Letters</i> , 2021, 21, 8103-8110.	9.1	23
5	Gas flow through atomic-scale apertures. <i>Science Advances</i> , 2020, 6, .	10.3	22
6	Gas Permeability and Selectivity of a Porous WS ₂ Monolayer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25055-25066.	3.1	11
7	The interplay between structural perfectness and CO oxidation catalysis on aluminum, phosphorous and silicon complexes of corroles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7661-7674.	2.8	9
8	Theoretical perspective on CO oxidation over small cobalt oxide clusters. <i>Chemical Physics Letters</i> , 2021, 767, 138361.	2.6	8
9	Catalytic activity of corrole complexes with post-transition elements for the oxidation of carbon monoxide: a first-principles study. <i>New Journal of Chemistry</i> , 2018, 42, 12632-12643.	2.8	7
10	Catalytic properties of cyclo-carbon clusters: An investigation on C_{20} activation and CO oxidation. <i>Surface Science</i> , 2022, 720, 122050.	1.9	6
11	CO oxidation by linear oxocarbon chains O-C-O ($n=10, x=1, 2$): A theoretical study. <i>Chemical Physics</i> , 2020, 530, 110652.	1.9	3
12	Kinetics and Mechanism of the NH ₃ + SO ₂ Reaction: A Theoretical Approach. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6585-6600.	2.5	3
13	Exploring the adsorption and sensing behavior of the M-N _x -B ₃₆ -x (M=Fe, Ni, and Cu; x=0, 3) bowl-shaped structures upon CO, NO, O ₂ , and N ₂ molecules: A first-principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114242.	2.7	3
14	The reaction mechanism of the hydration of ethylene over the CorroleM (M=Al, and Ga) complexes: A theoretical approach. <i>Computational and Theoretical Chemistry</i> , 2020, 1177, 112766.	2.5	3
15	C ₂₀ fullerene and its boron- and nitrogen-doped counterparts as an efficient catalyst for CO oxidation. <i>Molecular Physics</i> , 2020, 118, e1766708.	1.7	3
16	Theoretical investigation of the interaction between the metal phthalocyanine [MPC]a (M = Sc, Ti, and Tj) and CO. <i>Journal of Computational Chemistry</i> , 2020, 41, 1250-1258.	1.25	2
17	Evaluating gas permeance through graphene nanopores and porous 2D-membranes: A generalized approach. <i>Carbon Trends</i> , 2021, 5, 100086.	3.0	2
18	NO oxidation catalyzed by Ir ⁴ -based nanoclusters: the role of alloying on the catalytic activity. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	1.4	1

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19	Oscillation in the electrical conductivity of a thick graphene oxide membrane. Journal of Applied Physics, 2021, 129, 235105.	2.5	1
20	The interaction between atomic-scale pores and particles. Journal of Physics Condensed Matter, 2021, 34, .	1.8	0