Nasim Hassani

List of Publications by Year
in descending order

20	316	1163117 8	888059 17
papers	citations	h-index	g-index

21	21	21	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic properties of cyclo-carbon clusters: An investigation on o<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> activation and CO oxidation. Surface Science, 2022, 720, 122050.	1.9	6
2	Trilayer Metalâ€“Organic Frameworks as Multifunctional Electrocatalysts for Energy Conversion and Storage Applications. Journal of the American Chemical Society, 2022, 144, 3411-3428.	13.7	142
3	Theoretical investigation of the interaction between the metal phthalocyanine [MPc]a (M = Sc, Ti, and) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	2
4	Theoretical perspective on CO oxidation over small cobalt oxide clusters. Chemical Physics Letters, 2021, 767, 138361.	2.6	8
5	Oscillation in the electrical conductivity of a thick graphene oxide membrane. Journal of Applied Physics, 2021, 129, 235105.	2.5	1
6	The inhibition performance of quinoa seed on corrosion behavior of carbon steel in the HCl solution; theoretical and experimental evaluations. Journal of Molecular Liquids, 2021, 335, 116183.	4.9	26
7	Breakdown of Universal Scaling for Nanometer-Sized Bubbles in Graphene. Nano Letters, 2021, 21, 8103-8110.	9.1	23
8	The interaction between atomic-scale pores and particles. Journal of Physics Condensed Matter, 2021, 34, .	1.8	0
9	Evaluating gas permeance through graphene nanopores and porous 2D-membranes: A generalized approach. Carbon Trends, 2021, 5, 100086.	3.0	2
10	Gas Permeability and Selectivity of a Porous WS₂ Monolayer. Journal of Physical Chemistry C, 2021, 125, 25055-25066.	3.1	11
11	CO oxidation by linear oxocarbon chains O -C -O (nÂ=Â5â€“10, xÂ=Â1, 2): A theoretical study. Chemical Physics, 2020, 530, 110652.	1.9	3
12	Kinetics and Mechanism of the NH (X³Î£^{â€“}) + SO (X³Î£^{â€“}) Reaction: A Theoretical Approach. Journal of Physical Chemistry A, 2020, 124, 6585-6600.	2.5	3
13	Gas flow through atomic-scale apertures. Science Advances, 2020, 6, .	10.3	22
14	Exploring the adsorption and sensing behavior of the M-Nx-B36-x (M=Fe, Ni, and Cu; x=0, 3) bowl-shaped structures upon CO, NO, O2, and N2 molecules: A first-principles study. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114242.	2.7	3
15	The reaction mechanism of the hydration of ethylene over the CorroleM (MÂ=ÂB, Al, and Ga) complexes: A theoretical approach. Computational and Theoretical Chemistry, 2020, 1177, 112766.	2.5	3
16	C₂₀ fullerene and its boron- and nitrogen-doped counterparts as an efficient catalyst for CO oxidation. Molecular Physics, 2020, 118, e1766708.	1.7	3
17	The interplay between structural perfectness and CO oxidation catalysis on aluminum, phosphorous and silicon complexes of corroles. Physical Chemistry Chemical Physics, 2019, 21, 7661-7674.	2.8	9
18	Cu2O/TiO2 nanoparticles as visible light photocatalysts concerning C(sp2)â€“P bond formation. Catalysis Science and Technology, 2018, 8, 4044-4051.	4.1	41

#	Article	IF	Citations
19	Catalytic activity of corrole complexes with post-transition elements for the oxidation of carbon monoxide: a first-principles study. New Journal of Chemistry, 2018, 42, 12632-12643.	2.8	7
20	NO oxidation catalyzed by Ir4-based nanoclusters: the role of alloying on the catalytic activity. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	1