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List of Publications by Year
in descending order

25 papers	212 citations	1040056 9 h-index	1058476 14 g-index
25 all docs	25 docs citations	25 times ranked	74 citing authors

#	Article	IF	Citations
1	Adsorption and interaction of hydrogen and oxygen on the surface of separate crystalline gold nanoparticles. Kinetics and Catalysis, 2015, 56, 532-539.	1.0	30
2	Interaction of hydrogen and oxygen on the surface of individual gold nanoparticles. Russian Chemical Bulletin, 2014, 63, 1696-1702.	1.5	23
3	Adsorption properties of nanoparticles. Russian Chemical Bulletin, 2013, 62, 1525-1532.	1.5	13
4	Substrate effect on hydrogen adsorption on gold cluster. Nanotechnologies in Russia, 2016, 11, 735-742.	0.7	13
5	Interaction of amorphous and crystalline nickel nanoparticles with hydrogen. Russian Chemical Bulletin, 2015, 64, 2337-2343.	1.5	12
6	Adsorption of hydrogen on nickel nanoparticles with different crystallinity. Nanotechnologies in Russia, 2015, 10, 850-857.	0.7	11
7	Electron delocalization in heterogeneous AunHm systems. Nanotechnologies in Russia, 2016, 11, 7-11.	0.7	11
8	Atomic and Electronic Structure and Chemical Properties of Coatings Based on Gold and Nickel Nanoparticles Deposited on Graphite. Russian Journal of Physical Chemistry B, 2019, 13, 9-15.	1.3	11
9	Interaction of hydrogen and oxygen with bimetallic nanostructured coating. Nanotechnologies in Russia, 2016, 11, 727-734.	0.7	9
10	Hydrogenation of HOPG-supported Gold Nanoparticles: Features of Initial Stages. Crystals, 2019, 9, 350.	2.2	9
11	Electric fieldâ€“prevented adsorption of hydrogen on supported gold nanoparticles. Gold Bulletin, 2019, 52, 61-67.	2.4	9
12	Adsorption Properties of the Film Formed by Gold and Copper Nanoparticles on Graphite. Nanotechnologies in Russia, 2018, 13, 453-463.	0.7	8
13	Adsorption of Hydrogen on Goldâ€“Nickel Nanoparticles: Simulation and Experiment. Russian Journal of Physical Chemistry B, 2019, 13, 525-538.	1.3	8
14	Effect of Size on Hydrogen Adsorption on the Surface of Deposited Gold Nanoparticles. Nanomaterials, 2019, 9, 344.	4.1	8
15	Oxidation of Thin Titanium Films: Determination of the Chemical Composition of the Oxide and the Oxygen Diffusion Factor. Crystals, 2020, 10, 117.	2.2	8
16	The effect of hydrogen adsorption on the electronic structure of gold nanoparticles. Doklady Physical Chemistry, 2016, 470, 125-128.	0.9	6
17	Oxidation of Supported Nickel Nanoparticles at Low Exposure to O2: Charging Effects and Selective Surface Activity. Nanomaterials, 2022, 12, 1038.	4.1	6
18	Effect of CO Molecule Orientation on the Reduction of Cu-Based Nanoparticles. Nanomaterials, 2021, 11, 279.	4.1	5

#	Article	IF	Citations
19	Hydrogenation of HOPG-Supported Gold Nanoparticles: Surface or Volume?. Crystals, 2021, 11, 597.	2.2	4
20	Kinetic theory of resonant current through molecules. Russian Journal of Physical Chemistry B, 2015, 9, 833-837.	1.3	2
21	The study of adsorption of hydrogen onto copper and gold clusters by method of the density functional. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012018.	0.6	2
22	Change in the Electronic Structure of Oxide Films on the Surface of a Titanium Coating in the Process of Interaction with Oxygen. Russian Journal of Physical Chemistry B, 2019, 13, 413-420.	1.3	2
23	Single electronic traps in tin and zinc oxides. Nanotechnologies in Russia, 2014, 9, 151-156.	0.7	1
24	Initial Stages of Deuterium Adsorption on Gold Nanoparticles. Kinetics and Catalysis, 2018, 59, 820-827.	1.0	1
25	Comment on â€œNature of Equidistant Negative Differential Resonances in Tunneling Spectra of Ultrasmall Nanoparticlesâ€•(JETP Letters 108, 471 (2018)). JETP Letters, 2019, 109, 684-685.	1.4	0