Daria A Pichugina

List of Publications by Year
in descending order

32	303	933447 10	888059 17
papers	citations	h-index	g-index

32	32	32	426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of H₂O₂ on Au₂₀ and Au₁₉Pd Clusters: Understanding the Structure Effect on the Atomic Level. Journal of Physical Chemistry A, 2013, 117, 6817-6826.	2.5	48
2	Ligand-protected gold clusters: the structure, synthesis and applications. Russian Chemical Reviews, 2015, 84, 1114-1144.	6.5	38
3	A Structural and Stability Evaluation of Au₁₂ from an Isolated Cluster to the Deposited Material. Journal of Physical Chemistry C, 2012, 116, 11507-11518.	3.1	28
4	Hydrocarbon adsorption on gold clusters: Experiment and quantum chemical modeling. Russian Journal of Physical Chemistry A, 2010, 84, 2133-2142.	0.6	21
5	Spin and structural features of oxygen dissociation on tetrahedral Ag20 and Ag19Au clusters. Physical Chemistry Chemical Physics, 2016, 18, 18033-18044.	2.8	15
6	A theoretical study of the activation of methane by Gold(III) homoleptic complexes. Russian Journal of Physical Chemistry A, 2007, 81, 883-894.	0.6	14
7	Effect of the structure and charge of Au10 clusters on adsorption of hydrocarbons. Russian Chemical Bulletin, 2010, 59, 2039-2046.	1.5	14
8	Correlation between electronic properties and reactivity toward oxygen of tetrahedral goldâ€“silver clusters. Computational and Theoretical Chemistry, 2015, 1055, 61-67.	2.5	14
9	Quantum chemical study of Câ€”H bond activation in methane molecule by AuIII aqua chloride complexes. Russian Chemical Bulletin, 2006, 55, 195-206.	1.5	12
10	Effect of Gold Electronic State on the Catalytic Performance of Nano Gold Catalysts in n-Octanol Oxidation. Nanomaterials, 2020, 10, 880.	4.1	11
11	Quantum-chemical modeling of ethylene and acetylene adsorption on gold clusters. Russian Journal of Physical Chemistry A, 2014, 88, 959-964.	0.6	10
12	On the Mechanism of the Reaction between Thiolate-Protected Gold Clusters and Molecular Oxygen: What is Activated?. Journal of Physical Chemistry C, 2020, 124, 3080-3086.	3.1	9
13	Activation of oxygen on palladium nanocluster. Nanotechnologies in Russia, 2011, 6, 717-722.	0.7	8
14	Sulfur-containing terpyridine derivatives: synthesis, coordination properties, and adsorption on the gold surface. Russian Chemical Bulletin, 2012, 61, 2265-2281.	1.5	8
15	Structure and reactivity of gold cluster protected by triphosphine ligands: DFT study. Structural Chemistry, 2019, 30, 501-507.	2.0	8
16	Regularities of the retention of aminopyridines by silica gel modified with gold nanoparticles. Russian Journal of Physical Chemistry A, 2012, 86, 1623-1629.	0.6	7
17	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. Nanomaterials, 2020, 10, 151.	4.1	7
18	Quantum-chemical study of the effect of oxygen on the formation of active sites of silver clusters during the selective adsorption of hydrocarbons. Russian Journal of Physical Chemistry A, 2013, 87, 1520-1526.	0.6	5

#	Article	IF	Citations
19	Quantum chemical simulation of the reaction of methane with gold(I) acetylacetonate and aquaacetylacetonate complexes. Kinetics and Catalysis, 2007, 48, 305-315.	1.0	4
20	Studying the adsorption and activation of benzene and chlorobenzene on Ni(12%)/Al2O3 by means of gas chromatography and quantum chemistry. Russian Journal of Physical Chemistry A, 2012, 86, 1892-1897.	0.6	4
21	Role of deposition technique and support nature on the catalytic activity of supported gold clusters: experimental and theoretical study. Studies in Surface Science and Catalysis, 2010, 175, 297-300.	1.5	3
22	Quantum-chemical simulation of the allyl isomerization of allylbenzene in the presence of gold atom. Russian Journal of Physical Chemistry A, 2011, 85, 646-653.	0.6	3
23	Simulation of CO Oxidation in the Presence of Cyclic Gold Thiolate Complexes: The Effect of a Ligand. Kinetics and Catalysis, 2019, 60, 606-611.	1.0	3
24	Quantum chemical study of the charged gold atom influence on the mechanism of allylbenzene double bond migration. Russian Chemical Bulletin, 2011, 60, 1545-1555.	1.5	2
25	Adsorption of carbon oxide on tetrahedral bimetallic goldâ€“copper clusters. Russian Journal of Physical Chemistry A, 2016, 90, 2402-2407.	0.6	2
26	Quantum chemical assessment of the ligand effect on the properties and structure of protected gold clusters. Russian Journal of Physical Chemistry A, 2017, 91, 1507-1512.	0.6	2
27	Quantum chemical simulation of propylene oxidation on Ag20. Kinetics and Catalysis, 2016, 57, 184-190.	1.0	1
28	Quantum-chemical study of the effect of ligands on the structure and properties of gold clusters. Russian Journal of Physical Chemistry A, 2017, 91, 346-350.	0.6	1
29	Effect of the Metal Deposition Order on Structural, Electronic and Catalytic Properties of TiO2-Supported Bimetallic Au-Ag Catalysts in 1-Octanol Selective Oxidation. Catalysts, 2021, 11, 799.	3.5	1
30	Gold(III) reduction in a tris-HCl buffer: Effect of riboflavin, rutin, 1,1-dipyridyl, and 1-naphthol. Russian Journal of Electrochemistry, 2007, 43, 92-104.	0.9	0
31	Potential surface topology of a buteneâ€”gold atom system in the ground state. Russian Chemical Bulletin, 2008, 57, 1356-1363.	1.5	0
32	Effect of Cobalt on the Catalytic Properties of Platinum during the Oxidation of CO: Experimental Data and Quantum-Chemical Simulation. Russian Journal of Physical Chemistry A, 2019, 93, 1957-1964.	0.6	0