

Daria A Pichugina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of the Metal Deposition Order on Structural, Electronic and Catalytic Properties of TiO ₂ -Supported Bimetallic Au-Ag Catalysts in 1-Octanol Selective Oxidation. <i>Catalysts</i> , 2021, 11, 799.	3.5	1
2	On the Mechanism of the Reaction between Thiolate-Protected Gold Clusters and Molecular Oxygen: What is Activated?. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3080-3086.	3.1	9
3	Effect of Gold Electronic State on the Catalytic Performance of Nano Gold Catalysts in n-Octanol Oxidation. <i>Nanomaterials</i> , 2020, 10, 880.	4.1	11
4	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. <i>Nanomaterials</i> , 2020, 10, 151.	4.1	7
5	Simulation of CO Oxidation in the Presence of Cyclic Gold Thiolate Complexes: The Effect of a Ligand. <i>Kinetics and Catalysis</i> , 2019, 60, 606-611.	1.0	3
6	Effect of Cobalt on the Catalytic Properties of Platinum during the Oxidation of CO: Experimental Data and Quantum-Chemical Simulation. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 1957-1964.	0.6	0
7	Structure and reactivity of gold cluster protected by triphosphine ligands: DFT study. <i>Structural Chemistry</i> , 2019, 30, 501-507.	2.0	8
8	Quantum-chemical study of the effect of ligands on the structure and properties of gold clusters. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 346-350.	0.6	1
9	Quantum chemical assessment of the ligand effect on the properties and structure of protected gold clusters. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 1507-1512.	0.6	2
10	Quantum chemical simulation of propylene oxidation on Ag ₂₀ . <i>Kinetics and Catalysis</i> , 2016, 57, 184-190.	1.0	1
11	Spin and structural features of oxygen dissociation on tetrahedral Ag ₂₀ and Ag ₁₉ Au clusters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18033-18044.	2.8	15
12	Adsorption of carbon oxide on tetrahedral bimetallic gold-copper clusters. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2402-2407.	0.6	2
13	Ligand-protected gold clusters: the structure, synthesis and applications. <i>Russian Chemical Reviews</i> , 2015, 84, 1114-1144.	6.5	38
14	Correlation between electronic properties and reactivity toward oxygen of tetrahedral gold-silver clusters. <i>Computational and Theoretical Chemistry</i> , 2015, 1055, 61-67.	2.5	14
15	Quantum-chemical modeling of ethylene and acetylene adsorption on gold clusters. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 959-964.	0.6	10
16	Formation of H ₂ O ₂ on Au ₂₀ and Au ₁₉ Pd Clusters: Understanding the Structure Effect on the Atomic Level. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6817-6826.	2.5	48
17	Quantum-chemical study of the effect of oxygen on the formation of active sites of silver clusters during the selective adsorption of hydrocarbons. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 1520-1526.	0.6	5
18	Sulfur-containing terpyridine derivatives: synthesis, coordination properties, and adsorption on the gold surface. <i>Russian Chemical Bulletin</i> , 2012, 61, 2265-2281.	1.5	8

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19	Studying the adsorption and activation of benzene and chlorobenzene on Ni(12%)/Al ₂ O ₃ by means of gas chromatography and quantum chemistry. Russian Journal of Physical Chemistry A, 2012, 86, 1892-1897.	0.6	4
20	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
21	A Structural and Stability Evaluation of Au ₁₂ from an Isolated Cluster to the Deposited Material. Journal of Physical Chemistry C, 2012, 116, 11507-11518.	3.1	28
22	Activation of oxygen on palladium nanocluster. Nanotechnologies in Russia, 2011, 6, 717-722.	0.7	8
23	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
24	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
25	Hydrocarbon adsorption on gold clusters: Experiment and quantum chemical modeling. Russian Journal of Physical Chemistry A, 2010, 84, 2133-2142.	0.6	21
26	Effect of the structure and charge of Au ₁₀ clusters on adsorption of hydrocarbons. Russian Chemical Bulletin, 2010, 59, 2039-2046.	1.5	14
27	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
28	Potential surface topology of a butene-gold atom system in the ground state. Russian Chemical Bulletin, 2008, 57, 1356-1363.	1.5	0
29	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
30	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
31	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
32	Quantum chemical study of C-H bond activation in methane molecule by Au ^{III} aqua chloride complexes. Russian Chemical Bulletin, 2006, 55, 195-206.	1.5	12