Ravshan S Shamsiev

List of Publications by Year
in descending order

45	455	759233 12	794594 19
papers	citations	h-index	g-index

45	45	45	388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the mechanism of catalytic conversion of fatty acids into hydrocarbons in the presence of palladium catalysts on alumina. Petroleum Chemistry, 2011, 51, 336-341.	1.4	55
2	Norbornene, norbornadiene and their derivatives: promising semi-products for organic synthesis and production of polymeric materials. Russian Chemical Reviews, 2018, 87, 1169-1205.	6.5	51
3	The influence of metal and carrier natures on the effectiveness of catalysts of the deoxygenation of fatty acids into hydrocarbons. Russian Journal of Physical Chemistry A, 2012, 86, 1199-1203.	0.6	32
4	Kinetics and mechanism of the deoxygenation of stearic acid in the presence of palladium catalysts on alumina. Kinetics and Catalysis, 2012, 53, 595-609.	1.0	22
5	Zinc(II) and cadmium(II) halide complexes with caffeine: Synthesis, X-ray crystal structure, cytotoxicity and genotoxicity studies. Inorganica Chimica Acta, 2019, 487, 184-200.	2.4	22
6	Catalytic methods for the manufacturing of high-production volume chemicals from vegetable oils and fats (review). Petroleum Chemistry, 2016, 56, 663-671.	1.4	21
7	Catalytic chemistry of preparation of hydrocarbon fuels from vegetable oils and fats. Catalysis in Industry, 2012, 4, 209-214.	0.7	20
8	Synthesis, X-ray crystal structure and cytotoxicity studies of zinc(II) and cadmium(II) iodide complexes with antipyrine. Polyhedron, 2015, 102, 152-162.	2.2	19
9	Adsorption of phenylacetylene and styrene on palladium surface: a DFT study. Journal of Molecular Modeling, 2018, 24, 143.	1.8	15
10	Hydride transfer mechanism in the catalytic allylation of norbornadiene with allyl formate. Russian Chemical Bulletin, 2018, 67, 2234-2240.	1.5	14
11	Synthesis, X-ray crystal structure and cytotoxicity studies of lanthanide(III) iodide complexes with antipyrine. Polyhedron, 2012, 44, 124-132.	2.2	12
12	Quantum chemical study of the mechanism of catalytic [2+2+2] cycloaddition of acrylic acid esters to norbornadiene in the presence of nickel(0) complexes. Russian Chemical Bulletin, 2013, 62, 2301-2305.	1.5	12
13	Quantum chemical study of H2 adsorption on Pd21 cluster. Russian Chemical Bulletin, 2017, 66, 395-400.	1.5	12
14	Specifics of the stearic acid deoxygenation reaction on a copper catalyst. Petroleum Chemistry, 2013, 53, 362-366.	1.4	10
15	Quantum chemical modeling of phenylacetylene and styrene adsorption over Pd21 cluster. Russian Chemical Bulletin, 2017, 66, 401-408.	1.5	10
16	Kinetics and mechanism of the production of higher olefins from stearic acid in the presence of an alumina-supported nickel sulfide catalyst. Kinetics and Catalysis, 2017, 58, 147-155.	1.0	9
17	Quantum-chemical study on the mechanism of catalytic dimerization of norbornadiene in the presence of hydride nickel(I) complex. Russian Journal of Organic Chemistry, 2013, 49, 345-349.	0.8	8
18	Study of the effect of the solvent nature on cis-trans isomerization in Bis(allyl)nickel by the density functional theory method. Russian Journal of Inorganic Chemistry, 2013, 58, 1506-1510.	1.3	8

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19	Revealing the Influence of Silver in Niâ€“Ag Catalysts on the Selectivity of Higher Olefin Synthesis from Stearic Acid. Russian Journal of Physical Chemistry A, 2018, 92, 57-65.	0.6	8
20	Cycloaddition of electron-deficient olefins to norbornadiene in the presence of nickel bisphosphine systems. Russian Chemical Bulletin, 2013, 62, 2385-2388.	1.5	7
21	Problems of the stereoselectivity in the norbornadiene [2+2]-cyclodimerization reactions catalyzed by hydride nickel(i) complexes. Theoretical aspects. Russian Chemical Bulletin, 2013, 62, 1553-1557.	1.5	7
22	DFT Modeling of Mechanism of Hydrogenation of Phenylacetylene into Styrene on a Pd(111) Surface. Kinetics and Catalysis, 2018, 59, 333-338.	1.0	7
23	Spectral and structural properties of carotenoids - DFT and thermochemical calculations. Journal of Molecular Structure, 2019, 1197, 583-593.	3.6	7
24	Isotope Effect in Catalytic Hydroallylation of Norbornadiene by Allyl Formate. Kinetics and Catalysis, 2019, 60, 245-249.	1.0	7
25	Quantum-Chemical Calculations of Palladium(II) Complexes and Clusters. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 104-109.	1.0	6
26	Theoretical modeling of the interaction of phenylacetylene and styrene molecules with Pd{111}. Russian Chemical Bulletin, 2017, 66, 2234-2240.	1.5	6
27	DFT and experimental study of nitrosyl carboxylate palladium clusters Pd4(NO)2(RCO2)6 as catalysts for aerobic oxidation of alcohols. Journal of Molecular Structure, 2018, 1173, 974-982.	3.6	6
28	Theoretical Study of the Mechanism of Propionic Acid Deoxygenation on the Palladium Surface. Kinetics and Catalysis, 2019, 60, 627-634.	1.0	6
29	Supported palladium nanomaterials as catalysts for petroleum chemistry: 1. Specifics of palladium diacetate reduction with hydrogen on silica gel in catalyst synthesis. Petroleum Chemistry, 2014, 54, 105-110.	1.4	5
30	Interaction of norbornadiene with allyl acetate in the presence of Ni0 complexes: a DFT modeling. Russian Chemical Bulletin, 2020, 69, 653-659.	1.5	5
31	Kinetic model of ethylene oxidation by p-benzoquinone in solutions of cationic palladium(ii) complexes in a binary acetonitrileâ€”water solvent. Russian Chemical Bulletin, 2019, 68, 1366-1375.	1.5	4
32	Palladium Nitrosyl Carboxylate Complexes as Catalysts for Câˆ’H/Câˆ’H Oxidative Coupling of Arenes: An Experimental and DFT Study. ChemistrySelect, 2020, 5, 1080-1087.	1.5	4
33	Quantum chemical modeling of the cis-trans isomerization of the allyl ligand in Ni(Î·3-C3H5)2 in the presence of norbornadiene. Russian Chemical Bulletin, 2013, 62, 1549-1552.	1.5	2
34	Quantum chemical simulation of the C-C bond cleavage in a propionic acid molecule on small palladium clusters. Russian Chemical Bulletin, 2014, 63, 2585-2590.	1.5	2
35	IR spectroscopy as a source of data on bond strengths. Journal of Molecular Structure, 2018, 1154, 261-271.	3.6	2
36	Quantum chemical analysis of mechanisms of phenylacetylene and styrene hydrogenation to ethylbenzene on the Pd{111} surface. Russian Chemical Bulletin, 2018, 67, 419-424.	1.5	2

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37	Palladium Nitrosyl Complexes as Highly Versatile Catalysts for Câ^'H/Câ^'H Oxidative Coupling of Arenes: Application Area and Insight into Mechanism. ChemistrySelect, 2021, 6, 1795-1803.	1.5	2
38	Copper(II) perchlorate complexes with antipyrine: synthesis, structure, cytotoxicity and DFT calculations. Mendeleev Communications, 2022, 32, 123-125.	1.6	2
39	Synthesis, X-ray crystal structure, and properties of antipyrinium perchlorates, hexakis(antipyrine)thulium- and hexakis(antipyrine)ytterbium perchlorates. Quantum-chemical studies of ligands protonation. Russian Journal of Inorganic Chemistry, 2014, 59, 455-468.	1.3	1
40	Self association of Î±-tocopherol in solutions. Infrared absorption and theoretical study. Journal of Molecular Structure, 2016, 1109, 74-81.	3.6	1
41	Theoretical modeling of the mechanism of aniline oxidation by singlet O2. Russian Chemical Bulletin, 2018, 67, 1567-1572.	1.5	1
42	Theoretical modeling of mechanisms of phenylacetylene and styrene hydrogenation on the Pd(100) surface. Russian Chemical Bulletin, 2019, 68, 1656-1661.	1.5	1
43	Kinetics and Mechanism of Thermal Decomposition of Bis(Î·3-Allyl)Nickel Complexes. Kinetics and Catalysis, 2019, 60, 113-117.	1.0	1
44	Mechanism of CO oxidation by oxygen in the presence of palladium(ii) bromide complexes: a quantum chemical modeling. Russian Chemical Bulletin, 2020, 69, 647-652.	1.5	1
45	Estimation of conjugated Câ€‰=â€‰C bonds effective number and conjugation energy of carotenoids. Journal of Molecular Modeling, 2021, 27, 281.	1.8	0