

Elena Golubina

List of Publications by Year in descending order

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61
papers

1,002
citations

430874
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501196
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all docs

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docs citations

61
times ranked

887
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenylacetylene hydrogenation on Fe@C and Ni@C core-shell nanoparticles: About intrinsic activity of graphene-like carbon layer in H ₂ activation. Carbon, 2014, 74, 291-301.	10.3	69
2	The role of Fe addition on the activity of Pd-containing catalysts in multiphase hydrodechlorination. Applied Catalysis A: General, 2006, 302, 32-41.	4.3	52
3	The effect of metal deposition order on the synergistic activity of Au-Cu and Au-Ce metal oxide catalysts for CO oxidation. Applied Catalysis B: Environmental, 2015, 168-169, 303-312.	20.2	51
4	The role of metal-support interaction in catalytic activity of nanodiamond-supported nickel in selective phenylacetylene hydrogenation. Journal of Catalysis, 2016, 344, 90-99.	6.2	49
5	Metal-support interactions in the design of heterogeneous catalysts for redox processes. Pure and Applied Chemistry, 2019, 91, 609-631.	1.9	39
6	Template Synthesis of Porous Ceria-Based Catalysts for Environmental Application. Molecules, 2020, 25, 4242.	3.8	37
7	Modification of the supported palladium catalysts surface during hydrodechlorination of carbon tetrachloride. Applied Catalysis A: General, 2003, 241, 123-132.	4.3	35
8	The effect of H ₂ treatment at 423-573 K on the structure and synergistic activity of Pd-Cu alloy catalysts for low-temperature CO oxidation. Applied Catalysis B: Environmental, 2017, 208, 116-127.	20.2	33
9	Efficiency of manganese modified CTAB-templated ceria-zirconia catalysts in total CO oxidation. Applied Surface Science, 2019, 485, 432-440.	6.1	33
10	High catalytic activity and stability of palladium nanoparticles prepared by the laser electrodispersion method in chlorobenzene hydrodechlorination. Kinetics and Catalysis, 2008, 49, 748-755.	1.0	30
11	The hydrodechlorination of chlorobenzene in the vapor phase in the presence of metal-carbon nanocomposites based on nickel, palladium, and iron. Russian Journal of Physical Chemistry A, 2009, 83, 1300-1306.	0.6	28
12	Laser electrodispersion as a new chlorine-free method for the production of highly effective metal-containing supported catalysts. Pure and Applied Chemistry, 2012, 84, 495-508.	1.9	26
13	Palladium on ultradisperse diamond and activated carbon: the relation between structure and activity in hydrodechlorination. Russian Journal of Physical Chemistry A, 2007, 81, 866-873.	0.6	24
14	Hydrodechlorination of chlorobenzene in the presence of Ni/Al ₂ O ₃ prepared by laser electrodispersion and from a colloidal dispersion. Kinetics and Catalysis, 2013, 54, 597-606.	1.0	22
15	Activity of Au, Ni, and Au-Ni catalysts in the water-gas shift reaction and carbon monoxide oxidation. Kinetics and Catalysis, 2014, 55, 311-318.	1.0	22
16	Paramagnetic centers in detonation nanodiamonds studied by CW and pulse EPR. Chemical Physics Letters, 2010, 493, 319-322.	2.6	21
17	Regeneration of Pd/TiO ₂ catalyst deactivated in reductive CCl ₄ transformations by the treatment with supercritical CO ₂ , ozone in supercritical CO ₂ or oxygen plasma. Journal of Supercritical Fluids, 2011, 58, 263-271.	3.2	21
18	TEM and XRD investigation of Pd on ultradispersed diamond, correlation with catalytic activity. Mendelev Communications, 2009, 19, 133-135.	1.6	19

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19	Ultradispersed diamond as a new carbon support for hydrodechlorination catalysts. Kinetics and Catalysis, 2011, 52, 145-155.	1.0	18
20	C-C bond formation during hydrodechlorination of CCl ₄ on Pd-containing catalysts. Studies in Surface Science and Catalysis, 2000, 130, 1997-2002.	1.5	17
21	Formation of C ₁ –C ₅ Hydrocarbons from CCl ₄ in the Presence of Carbon-Supported Palladium Catalysts. Kinetics and Catalysis, 2000, 41, 776-781.	1.0	17
22	Adsorption and oxidation of carbon monoxide on Au and Ni nanoparticles deposited on Al ₂ O ₃ by laser electrodispersion. Russian Chemical Bulletin, 2015, 64, 812-818.	1.5	16
23	Application of Au–Cu nanowires fabricated by laser ablation in superfluid helium as catalysts for CO oxidation. Gold Bulletin, 2015, 48, 119-125.	2.4	16
24	Hydrodechlorination of Tetrachloromethane in the Vapor Phase in the Presence of Pd–Fe/Sibunit Catalysts. Kinetics and Catalysis, 2004, 45, 183-188.	1.0	15
25	Ultradispersed diamond as an excellent support for Pd and Au nanoparticle based catalysts for hydrodechlorination and CO oxidation. Diamond and Related Materials, 2011, 20, 960-964.	3.9	15
26	Catalysis of carbon monoxide oxidation with oxygen in the presence of palladium nanowires and nanoparticles. High Energy Chemistry, 2016, 50, 292-297.	0.9	15
27	Chlorobenzene hydrodechlorination catalyst prepared via the pyrolysis of sawdust impregnated with palladium nitrate. Kinetics and Catalysis, 2015, 56, 764-773.	1.0	14
28	Chlorobenzene hydrodechlorination on bimetallic catalysts prepared by laser electrodispersion of NiPd alloy. Pure and Applied Chemistry, 2018, 90, 1685-1701.	1.9	14
29	Cobalt–carbon nanocomposite catalysts of gas-phase hydrodechlorination of chlorobenzene. Applied Surface Science, 2019, 463, 395-402.	6.1	14
30	Effective Pd/C catalyst for chlorobenzene and hexachlorobenzene hydrodechlorination by direct pyrolysis of sawdust impregnated with palladium nitrate. Catalysis Communications, 2016, 77, 37-41.	3.3	13
31	Sawdust as an effective biotemplate for the synthesis of Ce _{0.8} Zr _{0.2} O ₂ and CuO–Ce _{0.8} Zr _{0.2} O ₂ catalysts for total CO oxidation. RSC Advances, 2017, 7, 51359-51372.	3.6	13
32	Selective hydrogenation of phenylacetylene on Ni and Ni-Pd catalysts modified with heteropoly compounds of the Keggin type. Russian Journal of Physical Chemistry A, 2012, 86, 1800-1807.	0.6	12
33	Bimetallic Nanostructured Catalysts Prepared by Laser Electrodispersion: Structure and Activity in Redox Reactions. ChemCatChem, 2020, 12, 4396-4405.	3.7	12
34	Ceria-silica mesoporous catalysts for CO preferential oxidation in H ₂ -rich stream: The effect of Ce:Si ratio and copper modification. Applied Surface Science, 2022, 594, 153473.	6.1	12
35	Nickel-supported metal-carbon nanocomposites: New catalysts of hydrogenation of phenylacetylene. Russian Journal of Physical Chemistry A, 2014, 88, 12-16.	0.6	11
36	Laser Electrodispersion of Metals for the Synthesis of Nanostructured Catalysts: Achievements and Prospects. Russian Journal of Physical Chemistry A, 2021, 95, 451-474.	0.6	11

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37	Promoting effect of potassium and calcium additives to cerium–zirconium oxide catalysts for the complete oxidation of carbon monoxide. <i>Kinetics and Catalysis</i> , 2017, 58, 585-592.	1.0	10
38	Heterogeneous catalysts and process for reductive dechlorination of polychlorinated hydrocarbons. <i>Pure and Applied Chemistry</i> , 2007, 79, 1905-1914.	1.9	9
39	Thermochemical properties of lithium cobaltate. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 357-363.	0.6	9
40	New type of organic/gold nanohybrid material: Preparation, properties and application in catalysis. <i>Applied Surface Science</i> , 2015, 325, 73-78.	6.1	9
41	Peculiarities of the structure and catalytic behavior of nanostructured Ni catalysts prepared by laser electrodispersion. <i>Nanotechnologies in Russia</i> , 2017, 12, 19-26.	0.7	9
42	ZrO ₂ -Al ₂ O ₃ binary oxides as promising supports for palladium catalysts of hydrodechlorination. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 402-407.	0.6	8
43	Hydrodechlorination of chlorobenzene on Ni and Ni-Pd catalysts modified by heteropolycompounds of the Keggin type. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1669-1675.	0.6	8
44	Templated Synthesis of Copper Modified Tin-Doped Ceria for Catalytic CO Oxidation. <i>Topics in Catalysis</i> , 2020, 63, 86-98.	2.8	8
45	Catalytic properties of Ce x Zr1–x O ₂ prepared using a template in the oxidation of CO. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2157-2164.	0.6	7
46	Hydrodehalogenation of 4-chlorophenol and 4-bromophenol over Pd–Fe/Al ₂ O ₃ : influence of catalyst reduction conditions. <i>Mendeleev Communications</i> , 2022, 32, 249-252.	1.6	7
47	Development and design of Pd-containing supported catalysts for hydrodechlorination. <i>Studies in Surface Science and Catalysis</i> , 2010, , 293-296.	1.5	6
48	Effect of Calcination Temperature on the Efficiency of Ni/Al ₂ O ₃ in the Hydrodechlorination Reaction. <i>Kinetics and Catalysis</i> , 2020, 61, 444-459.	1.0	6
49	Effect of hydrothermal treatment on the physicochemical characteristics of Pd/C composites prepared via pyrolysis of sawdust impregnated with palladium nitrate. <i>Russian Chemical Bulletin</i> , 2016, 65, 2618-2627.	1.5	5
50	Carbon-Supported Palladium–Cobalt Catalysts in Chlorobenzene Hydrodechlorination. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 1986-2002.	0.6	5
51	Effect of MnO _x modification and template type on the catalytic performance of ceria-zirconia in CO and soot oxidation. <i>Pure and Applied Chemistry</i> , 2021, 93, 447-462.	1.9	5
52	Hydrodechlorination of 4-Chlorophenol on Pd-Fe Catalysts on Mesoporous ZrO ₂ SiO ₂ Support. <i>Molecules</i> , 2021, 26, 141.	3.8	5
53	Gas-Phase Hydrodechlorination of Chlorobenzene over Alumina-Supported Nickel Catalysts: Effect of Support Structure and Modification with Heteropoly Acid HSiW. <i>Kinetics and Catalysis</i> , 2021, 62, 127-145.	1.0	4
54	Role of deposition technique and support nature on the catalytic activity of supported gold clusters: experimental and theoretical study. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 297-300.	1.5	3

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55	Metal-carbon nanocomposite systems as stable and active catalysts for chlorobenzene transformations. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 289-292.	1.5	2
56	Catalysts based on PdO_ZrO ₂ in the hydrodechlorination reaction of chlorobenzene. <i>Russian Journal of Physical Chemistry A</i> , 2015, 89, 1163-1172.	0.6	2
57	Disposal of Chlorine-Containing Wastes. , 2016, , 559-584.		2
58	Multiphase Hydrodechlorination of 1,3,5-Trichlorobenzene on Palladium Catalysts Supported on Alumina: Effect of the Support Properties and Modification by Heteropoly Acid Based on Silicon and Tungsten. <i>Kinetics and Catalysis</i> , 2019, 60, 297-314.	1.0	2
59	Advanced Size-Selected Catalysts Prepared by Laser Electrodipersion. , 2019, , 61-97.		2
60	Modification of Ni/Al ₂ O ₃ catalyst with Pd nanoparticles for selective phenylacetylene semihydrodenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 883-898.	1.7	2
61	Formation of Active Centers of Nickelâ€Zinc Catalysts Deposited on the Nanodiamond for the Selective Hydrogenation of Phenylacetylene. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 492-502.	0.6	1