# Elena Golubina

List of Publications by Year
in descending order



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|---|---|---|---|
| 61 papers | 1,002 citations | 430442 18 h-index | 500791 28 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 887 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phenylacetylene hydrogenation on Fe@C and Ni@C coreâ€“shell nanoparticles: About intrinsic activity of graphene-like carbon layer in H2 activation. Carbon, 2014, 74, 291-301. | 5.4 | 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. | 2.2 | 52 |
| 3 | The effect of metal deposition order on the synergistic activity of Auâ€“Cu and Auâ€“Ce metal oxide catalysts for CO oxidation. Applied Catalysis B: Environmental, 2015, 168-169, 303-312. | 10.8 | 51 |
| 4 | The role of metalâ€“support interaction in catalytic activity of nanodiamond-supported nickel in selective phenylacetylene hydrogenation. Journal of Catalysis, 2016, 344, 90-99. | 3.1 | 49 |
| 5 | Metal-support interactions in the design of heterogeneous catalysts for redox processes. Pure and Applied Chemistry, 2019, 91, 609-631. | 0.9 | 39 |
| 6 | Template Synthesis of Porous Ceria-Based Catalysts for Environmental Application. Molecules, 2020, 25, 4242. | 1.7 | 37 |
| 7 | Modification of the supported palladium catalysts surface during hydrodechlorination of carbon tetrachloride. Applied Catalysis A: General, 2003, 241, 123-132. | 2.2 | 35 |
| 8 | The effect of H 2 treatment at 423â€“573 K on the structure and synergistic activity of Pdâ€“Cu alloy catalysts for low-temperature CO oxidation. Applied Catalysis B: Environmental, 2017, 208, 116-127. | 10.8 | 33 |
| 9 | Efficiency of manganese modified CTAB-templated ceria-zirconia catalysts in total CO oxidation. Applied Surface Science, 2019, 485, 432-440. | 3.1 | 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. | 0.3 | 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. | 0.1 | 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. | 0.9 | 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. | 0.1 | 24 |
| 14 | Hydrodechlorination of chlorobenzene in the presence of Ni/Al2O3 prepared by laser electrodispersion and from a colloidal dispersion. Kinetics and Catalysis, 2013, 54, 597-606. | 0.3 | 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. | 0.3 | 22 |
| 16 | Paramagnetic centers in detonation nanodiamonds studied by CW and pulse EPR. Chemical Physics Letters, 2010, 493, 319-322. | 1.2 | 21 |
| 17 | Regeneration of Pd/TiO2 catalyst deactivated in reductive CCl4 transformations by the treatment with supercritical CO2, ozone in supercritical CO2 or oxygen plasma. Journal of Supercritical Fluids, 2011, 58, 263-271. | 1.6 | 21 |
| 18 | TEM and XRD investigation of Pd on ultradispersed diamond, correlation with catalytic activity. Mendeleev Communications, 2009, 19, 133-135. | 0.6 | 19 |

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|---|---|---|---|
| 19 | Ultradispersed diamond as a new carbon support for hydrodechlorination catalysts. Kinetics and Catalysis, 2011, 52, 145-155. | 0.3 | 18 |
| 20 | C-C bond formation during hydrodechlorination of CCl4 on Pd-containing catalysts. Studies in Surface Science and Catalysis, 2000, 130, 1997-2002. | 1.5 | 17 |
| 21 | Formation of C1â€“C5 Hydrocarbons from CCl4 in the Presence of Carbon-Supported Palladium Catalysts. Kinetics and Catalysis, 2000, 41, 776-781. | 0.3 | 17 |
| 22 | Adsorption and oxidation of carbon monoxide on Au and Ni nanoparticles deposited on Al2O3 by laser electrodispersion. Russian Chemical Bulletin, 2015, 64, 812-818. | 0.4 | 16 |
| 23 | Application of Auâ€“Cu nanowires fabricated by laser ablation in superfluid helium as catalysts for CO oxidation. Gold Bulletin, 2015, 48, 119-125. | 1.1 | 16 |
| 24 | Hydrodechlorination of Tetrachloromethane in the Vapor Phase in the Presence of Pdâ€“Fe/Sibunit Catalysts. Kinetics and Catalysis, 2004, 45, 183-188. | 0.3 | 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. | 1.8 | 15 |
| 26 | Catalysis of carbon monoxide oxidation with oxygen in the presence of palladium nanowires and nanoparticles. High Energy Chemistry, 2016, 50, 292-297. | 0.2 | 15 |
| 27 | Chlorobenzene hydrodechlorination catalyst prepared via the pyrolysis of sawdust impregnated with palladium nitrate. Kinetics and Catalysis, 2015, 56, 764-773. | 0.3 | 14 |
| 28 | Chlorobenzene hydrodechlorination on bimetallic catalysts prepared by laser electrodispersion of NiPd alloy. Pure and Applied Chemistry, 2018, 90, 1685-1701. | 0.9 | 14 |
| 29 | Cobaltâ€“carbon nanocomposite catalysts of gas-phase hydrodechlorination of chlorobenzene. Applied Surface Science, 2019, 463, 395-402. | 3.1 | 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. | 1.6 | 13 |
| 31 | Sawdust as an effective biotemplate for the synthesis of Ce<sub>0.8</sub>Zr<sub>0.2</sub>O<sub>2</sub> and CuOâ€“Ce<sub>0.8</sub>Zr<sub>0.2</sub>O<sub>2</sub> catalysts for total CO oxidation. RSC Advances, 2017, 7, 51359-51372. | 1.7 | 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. | 0.1 | 12 |
| 33 | Bimetallic Nanostructured Catalysts Prepared by Laser Electrodispersion: Structure and Activity in Redox Reactions. ChemCatChem, 2020, 12, 4396-4405. | 1.8 | 12 |
| 34 | Ceria-silica mesoporous catalysts for CO preferential oxidation in H2-rich stream: The effect of Ce:Si ratio and copper modification. Applied Surface Science, 2022, 594, 153473. | 3.1 | 12 |
| 35 | Nickel-supported metal-carbon nanocomposites: New catalysts of hydrogenation of phenylacetylene. Russian Journal of Physical Chemistry A, 2014, 88, 12-16. | 0.1 | 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. | 0.1 | 11 |

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|---|---|---|---|
| 37 | Promoting effect of potassium and calcium additives to ceriumâ€“zirconium oxide catalysts for the complete oxidation of carbon monoxide. Kinetics and Catalysis, 2017, 58, 585-592. | 0.3 | 10 |
| 38 | Heterogeneous catalysts and process for reductive dechlorination of polychlorinated hydrocarbons. Pure and Applied Chemistry, 2007, 79, 1905-1914. | 0.9 | 9 |
| 39 | Thermochemical properties of lithium cobaltate. Russian Journal of Physical Chemistry A, 2011, 85, 357-363. | 0.1 | 9 |
| 40 | New type of organic/gold nanohybrid material: Preparation, properties and application in catalysis. Applied Surface Science, 2015, 325, 73-78. | 3.1 | 9 |
| 41 | Peculiarities of the structure and catalytic behavior of nanostructured Ni catalysts prepared by laser electrodispersion. Nanotechnologies in Russia, 2017, 12, 19-26. | 0.7 | 9 |
| 42 | ZrO2-Al2O3 binary oxides as promising supports for palladium catalysts of hydrodechlorination. Russian Journal of Physical Chemistry A, 2011, 85, 402-407. | 0.1 | 8 |
| 43 | Hydrodechlorination of chlorobenzene on Ni and Ni-Pd catalysts modified by heteropolycompounds of the Keggin type. Russian Journal of Physical Chemistry A, 2012, 86, 1669-1675. | 0.1 | 8 |
| 44 | Templated Synthesis of Copper Modified Tin-Doped Ceria for Catalytic CO Oxidation. Topics in Catalysis, 2020, 63, 86-98. | 1.3 | 8 |
| 45 | Catalytic properties of Ce x Zr1â€“x O2 prepared using a template in the oxidation of CO. Russian Journal of Physical Chemistry A, 2016, 90, 2157-2164. | 0.1 | 7 |
| 46 | Hydrodehalogenation of 4-chlorophenol and 4-bromophenol over Pdâ€“Fe/Al2O3: influence of catalyst reduction conditions. Mendeleev Communications, 2022, 32, 249-252. | 0.6 | 7 |
| 47 | Development and design of Pd-containing supported catalysts for hydrodechlorination. Studies in Surface Science and Catalysis, 2010, , 293-296. | 1.5 | 6 |
| 48 | Effect of Calcination Temperature on the Efficiency of Ni/Al2O3 in the Hydrodechlorination Reaction. Kinetics and Catalysis, 2020, 61, 444-459. | 0.3 | 6 |
| 49 | Effect of hydrothermal treatment on the physicochemical characteristics of Pd/C composites prepared via pyrolysis of sawdust impregnated with palladium nitrate. Russian Chemical Bulletin, 2016, 65, 2618-2627. | 0.4 | 5 |
| 50 | Carbon-Supported Palladiumâ€“Cobalt Catalysts in Chlorobenzene Hydrodechlorination. Russian Journal of Physical Chemistry A, 2019, 93, 1986-2002. | 0.1 | 5 |
| 51 | Effect of MnO<sub> <i>x</i> </sub> modification and template type on the catalytic performance of ceria-zirconia in CO and soot oxidation. Pure and Applied Chemistry, 2021, 93, 447-462. | 0.9 | 5 |
| 52 | Hydrodechlorination of 4-Chlorophenol on Pd-Fe Catalysts on Mesoporous ZrO2SiO2 Support. Molecules, 2021, 26, 141. | 1.7 | 5 |
| 53 | Gas-Phase Hydrodechlorination of Chlorobenzene over Alumina-Supported Nickel Catalysts: Effect of Support Structure and Modification with Heteropoly Acid HSiW. Kinetics and Catalysis, 2021, 62, 127-145. | 0.3 | 4 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Metal-carbon nanocomposite systems as stable and active catalysts for chlorobenzene transformations. Studies in Surface Science and Catalysis, 2010, 175, 289-292. | 1.5 | 2 |
| 56 | Catalysts based on PdO_ZrO2 in the hydrodechlorination reaction of chlorobenzene. Russian Journal of Physical Chemistry A, 2015, 89, 1163-1172. | 0.1 | 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. Kinetics and Catalysis, 2019, 60, 297-314. | 0.3 | 2 |
| 59 | Advanced Size-Selected Catalysts Prepared by Laser Electrodispersion. , 2019, , 61-97. | | 2 |
| 60 | Modification of Ni/Al2O3 catalyst with Pd nanoparticles for selective phenylacetylene semihydrodenation. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 883-898. | 0.8 | 2 |
| 61 | Formation of Active Centers of Nickelâ€"Zinc Catalysts Deposited on the Nanodiamond for the Selective Hydrogenation of Phenylacetylene. Russian Journal of Physical Chemistry A, 2021, 95, 492-502. | 0.1 | 1 |