

# Olga P Tkachenko

## List of Publications by Year in descending order

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30  
papers

590  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoshaped CuO/CeO <sub>2</sub> Materials: Effect of the Exposed Ceria Surfaces on Catalytic Activity in N <sub>2</sub> O Decomposition Reaction. ACS Catalysis, 2015, 5, 5357-5365.	11.2	181
2	An easy way to Pd–Zn nanoalloy with defined composition from a heterobimetallic Pd( $\frac{1}{4}$ –OOCMe) <sub>4</sub> Zn(OH) <sub>2</sub> complex as evidenced by XAFS and XRD. Catalysis Letters, 2006, 112, 155-161.	2.6	51
3	Au/Pt/TiO <sub>2</sub> catalysts prepared by redox method for the chemoselective 1,2-propanediol oxidation to lactic acid and an NMR spectroscopy approach for analyzing the product mixture. Applied Catalysis A: General, 2015, 491, 170-183.	4.3	35
4	DRIFT, XPS and XAS Investigation of Au–Ni/Al <sub>2</sub> O <sub>3</sub> Synergetic Catalyst for Allylbenzene Isomerization. Topics in Catalysis, 2009, 52, 344-350.	2.8	30
5	Advanced Room-Temperature Synthesis of 2,5-Bis(hydroxymethyl)furan – A Monomer for Biopolymers – from 5-Hydroxymethylfurfural. ACS Sustainable Chemistry and Engineering, 2021, 9, 1161-1171.	6.7	29
6	Immobilized glucose oxidase on magnetic silica and alumina: Beyond magnetic separation. International Journal of Biological Macromolecules, 2018, 120, 896-905.	7.5	27
7	Methodical aspects in the surface analysis of supported molybdena catalysts. Surface and Interface Analysis, 2004, 36, 238-245.	1.8	22
8	Novel Fe-Pd/SiO <sub>2</sub> catalytic materials for degradation of chlorinated organic compounds in water. Pure and Applied Chemistry, 2014, 86, 1141-1158.	1.9	18
9	Stable subnanometre Pt clusters in zeolite NaX via stoichiometric carbonyl complexes: Probing of negative charge by DRIFT spectroscopy of adsorbed CO and H <sub>2</sub> . Physical Chemistry Chemical Physics, 2000, 2, 5647-5652.	2.8	16
10	Low-temperature CO oxidation by transition metal polycation exchanged low-silica faujasites. Applied Catalysis B: Environmental, 2015, 179, 521-529.	20.2	16
11	Metal-Ion Distribution and Oxygen Vacancies That Determine the Activity of Magnetically Recoverable Catalysts in Methanol Synthesis. ACS Applied Materials & Interfaces, 2017, 9, 34005-34014.	8.0	16
12	Recent Advances in C5 and C6 Sugar Alcohol Synthesis by Hydrogenation of Monosaccharides and Cellulose Hydrolytic Hydrogenation over Non-Noble Metal Catalysts. Molecules, 2022, 27, 1353.	3.8	16
13	1,3-Butadiene Adsorption over Transition Metal Polycation Exchanged Faujasites. Industrial & Engineering Chemistry Research, 2012, 51, 7073-7080.	3.7	14
14	Nickel–Alumina Catalysts in the Reaction of Carbon Dioxide Re-Forming of Methane under Thermal and Microwave Heating. Industrial & Engineering Chemistry Research, 2017, 56, 13034-13039.	3.7	14
15	Evidence of the Formation of Surface Palladium Carbide during the Catalytic Combustion of Lean Methane/Air Mixtures. Energy Technology, 2014, 2, 243-249.	3.8	12
16	Oxidation of Carbon Monoxide over MLaO <sub>x</sub> Perovskites Supported on Mesoporous Zirconia. ChemCatChem, 2014, 6, 1990-1997.	3.7	12
17	The Mechanism of Low-Temperature Oxidation of Carbon Monoxide by Oxygen over the PdCl <sub>2</sub> –CuCl <sub>2</sub> / $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Nanocatalyst. Nanomaterials, 2018, 8, 217.	4.1	10
18	Glucose Oxidase Immobilized on Magnetic Zirconia: Controlling Catalytic Performance and Stability. ACS Omega, 2020, 5, 12329-12338.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Characterization of silica-gel supported Pt–Cu alloy particles prepared via the sol–gel technique. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2667-2672.	2.8	9
20	Mono and Bimetallic Pt(M)/Al <sub>2</sub> O <sub>3</sub> Catalysts for Dehydrogenation of Perhydro-N-ethylcarbazole as the Second Stage of Hydrogen Storage. <i>Catalysis Letters</i> , 2018, 148, 1472-1477.	2.6	9
21	Metal-supported catalysts encapsulated in mesoporous solids: Challenges and opportunities of a model concept. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1081-1093.	1.5	8
22	Hydrodeoxygenation of glycerol into propanols over a Ni/WO <sub>3</sub> –TiO <sub>2</sub> catalyst. <i>Mendeleev Communications</i> , 2020, 30, 119-120.	1.6	6
23	Preparation of Propanols by Glycerol Hydrogenolysis over Bifunctional Nickel-Containing Catalysts. <i>Molecules</i> , 2021, 26, 1565.	3.8	6
24	Modifying HKUST-1 Crystals for Selective Ethane Adsorption Using Ionic Liquids as Synthesis Media. <i>Crystals</i> , 2022, 12, 279.	2.2	5
25	Hydroamination of Phenylacetylene with Aniline over Gold Nanoparticles Embedded in the Boron Imidazolate Framework BIF-66 and Zeolitic Imidazolate Framework ZIF-67. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59803-59819.	8.0	5
26	Reactive Adsorption of Sulfur Compounds on Transition Metal Polycation-Exchanged Zeolites for Desulfurization of Hydrocarbon Streams. <i>Energy Technology</i> , 2017, 5, 1627-1637.	3.8	3
27	Ethanol to Acetaldehyde Conversion under Thermal and Microwave Heating of ZnO–CuO–SiO <sub>2</sub> Modified with WC Nanoparticles. <i>Molecules</i> , 2021, 26, 1955.	3.8	3
28	Effect of ultra-low amount of gold in oxide-supported bimetallic Au–Fe and Au–Cu catalysts on liquid-phase aerobic glycerol oxidation in water. <i>Catalysis Science and Technology</i> , 2021, 11, 5881-5897.	4.1	3
29	Understanding the Working Mechanism of the Novel HKUST-1@BPS Composite Materials as Stationary Phases for Liquid Chromatography. <i>Polymers</i> , 2022, 14, 1373.	4.5	3
30	Influence of the electronic state of the metals in Cu–Pt/SiO <sub>2</sub> catalysts on the catalytic properties in selective hydrogenation of the C=C bond. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3436.	3.2	1