

# Olga Sen'ko

## List of Publications by Year in descending order

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24  
papers

547  
citations

759055

12  
h-index

642610

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

495  
citing authors

#	ARTICLE	IF	CITATIONS
1	â€œNature-likeâ€•Cryoimmobilization of Phototrophic Microorganisms: New Opportunities for Their Long-Term Storage and Sustainable Use. <i>Sustainability</i> , 2022, 14, 661.	1.6	9
2	â€œUnity and Struggle of Oppositesâ€•as a Basis for the Functioning of Synthetic Bacterial Immobilized Consortium That Continuously Degrades Organophosphorus Pesticides. <i>Microorganisms</i> , 2022, 10, 1394.	1.6	13
3	Formation and use of anaerobic consortia for the biotransformation of sulfur-containing extracts from pre-oxidized crude oil and oil fractions. <i>Bioresource Technology</i> , 2021, 319, 124248.	4.8	17
4	Nanocatalysts for Oxidative Desulfurization of Liquid Fuel: Modern Solutions and the Perspectives of Application in Hybrid Chemical-Biocatalytic Processes. <i>Catalysts</i> , 2021, 11, 1131.	1.6	11
5	Suppression of Methane Generation during Methanogenesis by Chemically Modified Humic Compounds. <i>Antioxidants</i> , 2020, 9, 1140.	2.2	7
6	Metal Nanoparticles for Improving Bactericide Functionality of Usual Fibers. <i>Nanomaterials</i> , 2020, 10, 1724.	1.9	10
7	Optimization potential of anaerobic biocatalytic processes using intracellular ATP concentration as the main criterion for decision making. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 848, 012080.	0.3	5
8	Immobilized Luminescent Bacteria for the Detection of Mycotoxins under Discrete and Flow-Through Conditions. <i>Biosensors</i> , 2019, 9, 63.	2.3	14
9	Long-Term Storage and Use of Artificially Immobilized Anaerobic Sludge as a Powerful Biocatalyst for Conversion of Various Wastes Including Those Containing Xenobiotics to Biogas. <i>Catalysts</i> , 2019, 9, 326.	1.6	51
10	A New Approach to Assess the Effect of Various Humic Compounds on the Metabolic Activity of Cells Participating in Methanogenesis. <i>Sustainability</i> , 2019, 11, 3158.	1.6	16
11	Prospective Approach to the Anaerobic Bioconversion of Benzo- and Dibenzothiophene Sulfones to Sulfide. <i>Molecules</i> , 2019, 24, 1736.	1.7	17
12	Production of various organic acids from different renewable sources by immobilized cells in the regimes of separate hydrolysis and fermentation (SHF) and simultaneous saccharification and fermentation (SFF). <i>Bioresource Technology</i> , 2019, 272, 1-9.	4.8	64
13	The Possibilities of Reducing the Minimal Inhibitory Concentration of Puromycin and Ceftiofur in Their Combination with His6-OPH-Based Biologics. <i>Moscow University Chemistry Bulletin</i> , 2018, 73, 298-302.	0.2	2
14	The Influence of Enzymatic Removal of Chlorpyrifos from Feed Grain Mixes on Biochemical Parameters of Rat Blood. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2018, 12, 181-185.	0.2	4
15	Aspartic and glutamic acids polymers: preparation and applications in medicinal chemistry and pharmaceuticals. <i>Russian Chemical Bulletin</i> , 2018, 67, 614-623.	0.4	13
16	Biocatalytic production of extracellular exopolysaccharide dextran synthesized by cells of <i>Leuconostoc mesenteroides</i> . <i>Catalysis in Industry</i> , 2017, 9, 339-343.	0.3	7
17	Highly concentrated populations of <i>Aureobasidium pullulans</i> cells in biocatalytic pullulan production processes. <i>Catalysis in Industry</i> , 2017, 9, 344-348.	0.3	5
18	Intensification of Organophosphorus Hydrolase Synthesis by Using Substances with Gas-Transport Function. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1305.	1.3	27

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19	Optimization of the Use of His6-OPH-Based Enzymatic Biocatalysts for the Destruction of Chlorpyrifos in Soil. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1438.	1.2	40
20	Biosensors based on the luminous bacteria <i>Photobacterium phosphoreum</i> immobilized in polyvinyl alcohol cryogel for the monitoring of ecotoxicants. <i>Applied Biochemistry and Microbiology</i> , 2014, 50, 477-482.	0.3	11
21	Immobilized fungal biocatalysts for the production of cellulase complex hydrolyzing renewable plant feedstock. <i>Catalysis in Industry</i> , 2013, 5, 190-198.	0.3	8
22	Production of biofuels from pretreated microalgae biomass by anaerobic fermentation with immobilized <i>Clostridium acetobutylicum</i> cells. <i>Bioresource Technology</i> , 2012, 114, 342-348.	4.8	155
23	Biocatalysts based on immobilized cells of microorganisms in the production of bioethanol and biobutanol. <i>Catalysis in Industry</i> , 2011, 3, 41-46.	0.3	19
24	Effect of immobilization on the main dynamic characteristics of the enzymatic oxidation of methane to methanol by bacteria <i>Methylosinus sporium</i> B-2121. <i>Russian Chemical Bulletin</i> , 2008, 57, 1633-1636.	0.4	22