

# Ksenia N Sorokina

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5928202/publications.pdf>

Version: 2024-02-01

20  
papers

367  
citations

840776

11  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

535  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Screening and comparative metabolic profiling of high lipid content microalgae strains for application in wastewater treatment. <i>Bioresource Technology</i> , 2018, 250, 538-547.  | 9.6 | 57        |
| 2  | Isolation of prospective microalgal strains with high saturated fatty acid content for biofuel production. <i>Algal Research</i> , 2015, 12, 368-376.  | 4.6 | 47        |
| 3  | Cloning, expression and characterization of the esterase estUT1 from <i>Ureibacillus thermosphaericus</i> which belongs to a new lipase family XVIII. <i>Extremophiles</i> , 2018, 22, 271-285.  | 2.3 | 44        |
| 4  | Cellulose Biorefinery Based on a Combined Catalytic and Biotechnological Approach for Production of 5-HMF and Ethanol. <i>ChemSusChem</i> , 2017, 10, 562-574.   | 6.8 | 28        |
| 5  | Production of biodiesel and succinic acid from the biomass of the microalga <i>Micractinium</i> sp. IC-44. <i>Bioresource Technology</i> , 2020, 317, 124026.  | 9.6 | 23        |
| 6  | Preparation of Stable Cross-Linked Enzyme Aggregates (CLEAs) of a <i>Ureibacillus thermosphaericus</i> Esterase for Application in Malathion Removal from Wastewater. <i>Catalysts</i> , 2018, 8, 154.   | 3.5 | 22        |
| 7  | New methods for the one-pot processing of polysaccharide components (cellulose and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 activation. <i>Catalysis in Industry</i> , 2016, 8, 176-186.  | 0.7 | 20        |
| 8  | Direct Conversion of Microalgae Biomass to Formic Acid under an Air Atmosphere with Soluble and Solid Mo-V-P Heteropoly Acid Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18947-18956.   | 6.7 | 20        |
| 9  | Potential of microalgae as a source of bioenergy. <i>Catalysis in Industry</i> , 2012, 4, 202-208.   | 0.7 | 15        |
| 10 | Application of the immobilized bacterial recombinant lipase from <i>Geobacillus stearothermophilus</i> G3 for the production of fatty acid methyl esters. <i>Catalysis in Industry</i> , 2016, 8, 187-193.   | 0.7 | 13        |
| 11 | Imidazol-4-yl 2-Imidazoline Nitroxide Radicals, a New Class of Promising Contrast Agents for Magnetic Resonance Imaging. <i>Doklady Chemistry</i> , 2005, 404, 171-173.  | 0.9 | 12        |
| 12 | Production of Microalgal Biomass with High Lipid Content and Their Catalytic Processing Into Biodiesel: a Review. <i>Catalysis in Industry</i> , 2019, 11, 349-359.  | 0.7 | 12        |
| 13 | Bioprospecting thermophilic glycosyl hydrolases, from hot springs of Himachal Pradesh, for biomass valorization. <i>AMB Express</i> , 2018, 8, 168.  | 3.0 | 11        |
| 14 | Application of Bacterial Thermostable Lipolytic Enzymes in the Modern Biotechnological Processes: A Review. <i>Catalysis in Industry</i> , 2019, 11, 168-178.  | 0.7 | 10        |
| 15 | Enzymatic interesterification of sunflower oil and hydrogenated soybean oil with the immobilized bacterial recombinant lipase from <i>Geobacillus stearothermophilus</i> G3. <i>Catalysis in Industry</i> , 2017, 9, 62-70.  | 0.7 | 8         |
| 16 | New methods for the one-pot processing of polysaccharide components (cellulose and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 152 Td (her the biotechnological conversion of poly- and monosaccharides of biomass. <i>Catalysis in Industry</i> , 2017, 9, 270-276.                                   | 0.7 | 8         |
| 17 | Prospects for application of enzymatic interesterification of oils in the production of modified fats. <i>Catalysis in Industry</i> , 2016, 8, 348-353.  | 0.7 | 6         |
| 18 | New methods for the one-pot processing of polysaccharide components (cellulose and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 Td (her approaches to the conversion of polysaccharides and monosaccharides into the valuable industrial chemicals. <i>Catalysis in Industry</i> , 2017, 9, 264-269. | 0.7 | 6         |

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|----|--|-----|-----------|
| 19 | Research on the biodiversity of Western Siberia microalgae for third-generation biofuel production processes. Russian Journal of Genetics: Applied Research, 2013, 3, 487-492.     | 0.4 | 3         |
| 20 | Evaluation of magnetic resonance imaging characteristics of new nitroxyl radicals on the model of RLS lymphoma. Bulletin of Experimental Biology and Medicine, 2007, 143, 240-243. | 0.8 | 2         |