# Konstantin N Loponov

List of Publications by Year
in descending order



| 13 | 431 | 1040056 9 | 1125743 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 14 | 14 | 14 | 717 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and Structural Characterization of Se-Modified Carbon-Supported Ru Nanoparticles for the Oxygen Reduction Reaction. Journal of Physical Chemistry B, 2006, 110, 6881-6890. | 2.6 | 126 |
| 2 | Optimization of a Scalable Photochemical Reactor for Reactions with Singlet Oxygen. Organic Process Research and Development, 2014, 18, 1443-1454. | 2.7 | 60 |
| 3 | Heterogenization of Pdâ€“NHC complexes onto a silica support and their application in Suzukiâ€“Miyaura coupling under batch and continuous flow conditions. Catalysis Science and Technology, 2015, 5, 310-319. | 4.1 | 58 |
| 4 | Nitrogen-rich hyper-crosslinked polymers for low-pressure CO2 capture. Chemical Engineering Journal, 2018, 334, 2004-2013. | 12.7 | 53 |
| 5 | Porous Nanocrystalline Silicon Supported Bimetallic Pd-Au Catalysts: Preparation, Characterization, and Direct Hydrogen Peroxide Synthesis. Frontiers in Chemistry, 2018, 6, 85. | 3.6 | 32 |
| 6 | Biomineralization of Pd nanoparticles using Phanerochaete chrysosporium as a sustainable approach to turn platinum group metals (PGMs) wastes into catalysts. International Biodeterioration and Biodegradation, 2019, 143, 104724. | 3.9 | 26 |
| 7 | Synthesis of the antimalarial API artemether in a flow reactor. Catalysis Today, 2015, 239, 90-96. | 4.4 | 19 |
| 8 | Eco-Friendly Fabrication of a Highly Selective Amide-Based Polymer for CO<sub>2</sub> Capture. Industrial & Engineering Chemistry Research, 2019, 58, 18160-18167. | 3.7 | 17 |
| 9 | Combined in situ EXAFS and electrochemical investigation of the oxygen reduction reaction on unmodified and Se-modified Ru/C. Catalysis Today, 2009, 147, 260-269. | 4.4 | 14 |
| 10 | Controlled multiphase oxidations for continuous manufacturing of fine chemicals. Chemical Engineering Journal, 2017, 329, 220-230. | 12.7 | 8 |
| 11 | Efficiency of porous silicon photosensitizer in the singlet oxygen-mediated oxidation of organic compounds. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 211, 74-77. | 3.9 | 7 |
| 12 | Tandem transformation of glycerol to esters. Journal of Biotechnology, 2012, 162, 390-397. | 3.8 | 2 |
| 13 | Photoexcited Silicon Nanocrystals as Multifunctional Spin-Flip Activator. ECS Transactions, 2009, 16, 337-344. | 0.5 | 1 |