

# Sergey S Zaleskiy

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

1,447  
citations

516215

16  
h-index

887659

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd <sub>2</sub> (dba) <sub>3</sub> as a Precursor of Soluble Metal Complexes and Nanoparticles: Determination of Palladium Active Species for Catalysis and Synthesis. <i>Organometallics</i> , 2012, 31, 2302-2309.	1.1	254
2	Miniaturization of NMR Systems: Desktop Spectrometers, Microcoil Spectroscopy, and <sup>1</sup> H NMR on a Chip for Chemistry, Biochemistry, and Industry. <i>Chemical Reviews</i> , 2014, 114, 5641-5694.	23.0	195
3	Critical Influence of 5-Hydroxymethylfurfural Aging and Decomposition on the Utility of Biomass Conversion in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8338-8342.	7.2	160
4	Digitization of multistep organic synthesis in reactionware for on-demand pharmaceuticals. <i>Science</i> , 2018, 359, 314-319.	6.0	160
5	Visible light mediated metal-free thiol-ene click reaction. <i>Chemical Science</i> , 2016, 7, 6740-6745.	3.7	115
6	How sensitive and accurate are routine NMR and MS measurements?. <i>Mendeleev Communications</i> , 2015, 25, 454-456.	0.6	103
7	Catalytic Adaptive Recognition of Thiol (SH) and Selenol (SeH) Groups Toward Synthesis of Functionalized Vinyl Monomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 6637-6649.	6.6	97
8	Expanded N-Heterocyclic Carbenes Efficiently Stabilize Gold(I) Cations, Leading to High Activity in <sup>1</sup> H Acid-Catalyzed Cyclizations. <i>Chemistry - A European Journal</i> , 2014, 20, 6162-6170.	1.7	59
9	Convergence of multiple synthetic paradigms in a universally programmable chemical synthesis machine. <i>Nature Chemistry</i> , 2021, 13, 63-69.	6.6	59
10	Unprecedented Control of Selectivity in Nickel-Catalyzed Hydrophosphorylation of Alkynes: Efficient Route to Mono- and Bisphosphonates. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 771-780.	2.1	50
11	Critical Influence of 5-Hydroxymethylfurfural Aging and Decomposition on the Utility of Biomass Conversion in Organic Synthesis. <i>Angewandte Chemie</i> , 2016, 128, 8478-8482.	1.6	49
12	Efficient General Procedure To Access a Diversity of Gold(0) Particles and Gold(I) Phosphine Complexes from a Simple H <sub>2</sub> AuCl <sub>4</sub> Source. Localization of Homogeneous/Heterogeneous System's Interface and Field-Emission Scanning Electron Microscopy Study. <i>Journal of the American Chemical Society</i> , 2013, 135, 3550-3559.	6.6	40
13	Catalytic (Ni, Pd, Pt, Rh and Au) and Non-Catalytic Reactions for Atom-Economic Carbon-Sulfur, Carbon-Selenium and Carbon-Tellurium Bonds Formation. <i>Current Organic Synthesis</i> , 2011, 8, 2-52.	0.7	37
14	3D designed and printed chemical generators for on demand reagent synthesis. <i>Nature Communications</i> , 2019, 10, 5496.	5.8	27
15	NMR approach for the identification of dinuclear and mononuclear complexes: The first detection of [Pd(SPh) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] and [Pd <sub>2</sub> (SPh) <sub>4</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] – The intermediate complexes in the catalytic carbon-sulfur bond formation reaction. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 400-405.	0.8	25
16	Carboxylic Group-Assisted Proton Transfer in Gold-Mediated Thiolation of Alkynes. <i>Organometallics</i> , 2015, 34, 5214-5224.	1.1	16