

Sergey S Zaleskiy

List of Publications by Citations

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17
papers

1,108
citations

14
h-index

17
g-index

17
ext. papers

1,301
ext. citations

13.5
avg, IF

4.61
L-index

#	Paper	IF	Citations
17	Pd2(dba)3 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	3.8	202
16	Miniaturization of NMR systems: desktop spectrometers, microcoil spectroscopy, and "NMR on a chip" for chemistry, biochemistry, and industry. <i>Chemical Reviews</i> , 2014 , 114, 5641-94	68.1	159
15	Digitization of multistep organic synthesis in reactionware for on-demand pharmaceuticals. <i>Science</i> , 2018 , 359, 314-319	33.3	117
14	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, 8338-42	16.4	116
13	Visible light mediated metal-free thiol-yne click reaction. <i>Chemical Science</i> , 2016 , 7, 6740-6745	9.4	86
12	How sensitive and accurate are routine NMR and MS measurements?. <i>Mendeleev Communications</i> , 2015 , 25, 454-456	1.9	84
11	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, 6637-49	16.4	84
10	Expanded-ring N-heterocyclic carbenes efficiently stabilize gold(I) cations, leading to high activity in acid-catalyzed cyclizations. <i>Chemistry - A European Journal</i> , 2014 , 20, 6162-70	4.8	53
9	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	5.6	38
8	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	1.9	35
7	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	3.6	33
6	Efficient general procedure to access a diversity of gold(0) particles and gold(I) phosphine complexes from a simple HAuCl4 source. Localization of homogeneous/heterogeneous system at interface and field-emission scanning electron microscopy study. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3550-9	16.4	29
5	Convergence of multiple synthetic paradigms in a universally programmable chemical synthesis machine. <i>Nature Chemistry</i> , 2021 , 13, 63-69	17.6	24
4	NMR approach for the identification of dinuclear and mononuclear complexes: The first detection of [Pd(SPh)2(PPh3)2] and [Pd2(SPh)4(PPh3)2] intermediate complexes in the catalytic carbon-sulfur bond formation reaction. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 400-405	2.3	22
3	Carboxylic Group-Assisted Proton Transfer in Gold-Mediated Thiolation of Alkynes. <i>Organometallics</i> , 2015 , 34, 5214-5224	3.8	14
2	3D designed and printed chemical generators for on demand reagent synthesis. <i>Nature Communications</i> , 2019 , 10, 5496	17.4	11
1	SYNTHESIS OF SELECTED TRANSITION METAL AND MAIN GROUP COMPOUNDS WITH SYNTHETIC APPLICATIONS. <i>Inorganic Syntheses</i> , 2018 , 155-204		1

