

# Evgeniy G Gordeev

## List of Publications by Citations

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48  
papers

1,888  
citations

18  
h-index

43  
g-index

57  
ext. papers

2,363  
ext. citations

7.2  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
48	Biological Activity of Ionic Liquids and Their Application in Pharmaceuticals and Medicine. <i>Chemical Reviews</i> , <b>2017</b> , 117, 7132-7189	68.1	847
47	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , <b>2018</b> , 87, 393-507	6.8	111
46	A New Mode of Operation of Pd-NHC Systems Studied in a Catalytic Mizoroki-Heck Reaction. <i>Organometallics</i> , <b>2017</b> , 36, 1981-1992	3.8	97
45	Improvement of quality of 3D printed objects by elimination of microscopic structural defects in fused deposition modeling. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198370	3.7	87
44	Three-Dimensional Printing with Biomass-Derived PEF for Carbon-Neutral Manufacturing. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15931-15935	16.4	76
43	Phantom Reactivity in Organic and Catalytic Reactions as a Consequence of Microscale Destruction and Contamination-Trapping Effects of Magnetic Stir Bars. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3070-3081	13.1	61
42	Fast and accurate computational modeling of adsorption on graphene: a dispersion interaction challenge. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18815-21	3.6	56
41	A solid acetylene reagent with enhanced reactivity: fluoride-mediated functionalization of alcohols and phenols. <i>Green Chemistry</i> , <b>2017</b> , 19, 3032-3041	10	50
40	[3 + 2]-Cycloaddition of in Situ Generated Nitrile Imines and Acetylene for Assembling of 1,3-Disubstituted Pyrazoles with Quantitative Deuterium Labeling. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 3819-3828	4.2	50
39	Pd-NHC Catalytic System for the Efficient Atom-Economic Synthesis of Vinyl Sulfides from Tertiary, Secondary, or Primary Thiols. <i>ACS Catalysis</i> , <b>2015</b> , 5, 7208-7213	13.1	44
38	Noninnocent Nature of Carbon Support in Metal/Carbon Catalysts: Etching/Pitting vs Nanotube Growth under Microwave Irradiation. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3806-3814	13.1	43
37	Efficient route for the construction of polycyclic systems from bioderived HMF. <i>Green Chemistry</i> , <b>2017</b> , 19, 4858-4864	10	41
36	Revealing interactions of layered polymeric materials at solid-liquid interface for building solvent compatibility charts for 3D printing applications. <i>Scientific Reports</i> , <b>2019</b> , 9, 20177	4.9	35
35	Carboxylate switch between hydro- and carbopalladation pathways in regiodivergent dimerization of alkynes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9578-88	4.8	31
34	Analysis of 3D printing possibilities for the development of practical applications in synthetic organic chemistry. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 1637-1643	1.7	29
33	Influence of R <sup>1</sup> NHC Coupling on the Outcome of R <sup>2</sup> Oxidative Addition to Pd/NHC Complexes (R = Me, Ph, Vinyl, Ethynyl). <i>Organometallics</i> , <b>2018</b> , 37, 787-796	3.8	28
32	Selectivity control in thiol-yne click reactions visible light induced associative electron upconversion. <i>Chemical Science</i> , <b>2020</b> , 11, 10061-10070	9.4	21

31	Widely accessible 3D printing technologies in chemistry, biochemistry and pharmaceuticals: applications, materials and prospects. <i>Russian Chemical Reviews</i> , <b>2020</b> , 89, 1507-1561	6.8	19
30	Computational study of a model system of enzyme-mediated [4+2] cycloaddition reaction. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119984	3.7	18
29	Novel [4 + 2] cycloaddition reactions of alkyne and enyne key-units: Direct access to bicyclic aromatic and heteroaromatic products. A theoretical mechanistic study. <i>Chemical Science</i> , <b>2011</b> , 2, 2332-2341	9.4	13
28	Carbocatalytic Acetylene Cyclotrimerization: A Key Role of Unpaired Electron Delocalization. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3784-3796	16.4	11
27	Shielding the chemical reactivity using graphene layers for controlling the surface properties of carbon materials. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 4608-16	3.6	11
26	Addressing Reversibility of R-NHC Coupling on Palladium: Is Nano-to-Molecular Transition Possible for the Pd/NHC System?. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12218-12227	5.1	10
25	Structure and properties of 1,2-, 1,7-, and 1,12-dicarba-closo-dodecaboranes(12): A quantum chemical study. <i>Russian Chemical Bulletin</i> , <b>2006</b> , 55, 2154-2160	1.7	10
24	Visualization of catalyst dynamics and development of a practical procedure to study complex "cocktail"-type catalytic systems. <i>Faraday Discussions</i> , <b>2021</b> , 229, 458-474	3.6	9
23	Biomass-Derived Ionic Liquids Based on a 5-HMF Platform Chemical: Synthesis, Characterization, Biological Activity, and Tunable Interactions at the Molecular Level. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 3552-3570	8.3	9
22	Switching the nature of catalytic centers in Pd/NHC systems by solvent effect driven non-classical R-NHC Coupling. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 191-199	3.5	8
21	High-Performance Synthesis of Phosphorus-Doped Graphene Materials and Stabilization of Phosphoric Micro- and Nanodroplets. <i>Langmuir</i> , <b>2018</b> , 34, 15739-15748	4	8
20	Relative stabilities of M/NHC complexes (M = Ni, Pd, Pt) against R-NHC, X-NHC and X-X couplings in M(0)/M(ii) and M(ii)/M(iv) catalytic cycles: a theoretical study. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17052-17062	4.3	7
19	Controlled Natural Biomass Deoxygenation Allows the Design of Reusable Hot-Melt Adhesives Acting in a Multiple Oxygen Binding Mode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45394-45403	9.5	6
18	Pd-Catalyzed Synthesis of Densely Functionalized Cyclopropyl Vinyl Sulfides Reveals the Origin of High Selectivity in a Fundamental Alkyne Insertion Step. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9872-9888	13.1	6
17	Design of a Bimetallic Au/Ag System for Dechlorination of Organochlorides: Experimental and Theoretical Evidence for the Role of the Cluster Effect. <i>Organometallics</i> , <b>2014</b> , 33, 6003-6012	3.8	5
16	Stabilization of the Pd-NHC framework with 1,2,4-triazol-5-ylidene ligands toward decomposition in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	4
15	Ambident Reactivity of Imidazolium Cations as Evidence of the Dynamic Nature of N-Heterocyclic Carbene-Mediated Organocatalysis. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8567-8571	4.8	3
14	Reactions of dichlorocarbene, dichlorosilylene, and dichlorogermylene with carboranes(12). A theoretical study. <i>Russian Journal of General Chemistry</i> , <b>2014</b> , 84, 1330-1338	0.7	3

13	Quantum chemical study of nickel(II) complexes with cyclic diimine ligands on the base of bis[3,3?-iminopropyl]methylamine. <i>Journal of Structural Chemistry</i> , <b>2006</b> , 47, 15-20	0.9	3
12	Synthesis and Structure of Bis(3,3?-diamino-N-methyldipropylamine)-dichlorodi(Echloro)dinickel. <i>Russian Journal of General Chemistry</i> , <b>2005</b> , 75, 1870-1873	0.7	3
11	Systematic Study of Aromatic-Ring-Targeted Cycloadditions of 5-Hydroxymethylfurfural Platform Chemicals. <i>ChemSusChem</i> , <b>2021</b> , 14, 3110-3123	8.3	3
10	Organocatalytic Deuteration Induced by the Dynamic Covalent Interaction of Imidazolium Cations with Ketones. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 1368-1378	5.6	3
9	Formation conditions for InAs/GaAs quantum dot arrays by droplet epitaxy under MOVPE conditions. <i>Technical Physics</i> , <b>2014</b> , 59, 78-84	0.5	2
8	Deep neural network analysis of nanoparticle ordering to identify defects in layered carbon materials. <i>Chemical Science</i> , <b>2021</b> , 12, 7428-7441	9.4	2
7	Retrieval and analysis of transition states in electrophilic substitution reactions of the carborane(12) series. <i>Russian Journal of General Chemistry</i> , <b>2012</b> , 82, 1517-1523	0.7	1
6	Carbocatalysis: From Acetylene Trimerization to Modern Organic Synthesis. A Review. <i>Doklady Physical Chemistry</i> , <b>2020</b> , 493, 95-122	0.8	1
5	3D Printing to Increase the Flexibility of the Chemical Synthesis of Biologically Active Molecules: Design of On-Demand Gas Generation Reactors. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
4	Exploring metallic and plastic 3D printed photochemical reactors for customizing chemical synthesis.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3780	4.9	1
3	Merging structural frameworks of imidazolium, pyridinium, and cholinium ionic liquids with cinnamic acid to tune solution state behavior and properties. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 118673	6	0
2	Reaction of chloro(ethyl)silanes with chloro(phenyl)silanes in the presence of aluminum chloride. Synthesis of chloro(ethyl)(phenyl)silanes. <i>Russian Journal of General Chemistry</i> , <b>2015</b> , 85, 595-599	0.7	
1	Reaction of tetrachlorogermane with thienyl- and phenylchlorosilanes in presence of aluminum chloride. Synthesis of thienylchlorogermanes. <i>Russian Journal of General Chemistry</i> , <b>2014</b> , 84, 280-284	0.7	