

Maxim A Topchiy

List of Publications by Year in descending order

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68
papers

1,176
citations

394421

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434195

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docs citations

72
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Switching on/switching off solubility controlled permeation of hydrocarbons through glassy polynorbornenes by the length of side alkyl groups. <i>Journal of Membrane Science</i> , 2022, 641, 119848.	8.2	14
2	Polynorbornenes bearing ether fragments in substituents: Promising membrane materials with enhanced CO ₂ permeability. <i>Journal of Membrane Science</i> , 2022, 648, 120340.	8.2	13
3	Highly efficient synthesis of 3,4-diarylbutadiene sulfones using Heck–Matsuda reaction. <i>RSC Advances</i> , 2022, 12, 5517-5521.	3.6	1
4	Solvent-free palladium-catalyzed C–O cross-coupling of (hetero)aryl halides with primary alcohols. <i>Mendeleev Communications</i> , 2022, 32, 258-259.	1.6	1
5	General Method of Synthesis of 5-(Het)arylamino-1,2,3-triazoles via Buchwald–Hartwig Reaction of 5-Amino- or 5-Halo-1,2,3-triazoles. <i>Molecules</i> , 2022, 27, 1999.	3.8	2
6	On the molecular mechanism of nonspecific antimicrobial action of protonated diallylammonium polymers on mycobacterial cells. <i>European Polymer Journal</i> , 2022, 171, 111214.	5.4	3
7	Ring size and nothing else matters: unusual regioselectivity of alkyne hydration by NHC gold(III) complexes. <i>Chemical Communications</i> , 2021, 57, 5686-5689.	4.1	15
8	Synthesis and optical properties of novel unsymmetrically substituted benzothiadiazole-based luminophores. <i>Mendeleev Communications</i> , 2021, 31, 33-35.	1.6	10
9	One-Pot Synthesis of 5-Amino-1,2,3-triazole Derivatives via Dipolar Azide–Nitrile Cycloaddition and Dimroth Rearrangement under Solvent-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1378-1384.	2.4	12
10	Complete Genome Sequence of <i>Rhodococcus</i> sp. Strain M8, a Platform Strain for Acrylic Monomer Production. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	2
11	Solvent-free palladium-catalyzed C–O cross-coupling of aryl bromides with phenols. <i>Mendeleev Communications</i> , 2021, 31, 409-411.	1.6	6
12	Solvent-free palladium-catalyzed C–O cross-coupling of aryl bromides with phenols. <i>Mendeleev Communications</i> , 2021, 31, 409-411.	1.6	3
13	NHC PdII complexes for the solvent-free telomerisation of isoprene with methanol. <i>Mendeleev Communications</i> , 2021, 31, 478-480.	1.6	10
14	Efficient synthesis of 3-arylbutadiene sulfones using the Heck–Matsuda reaction. <i>Mendeleev Communications</i> , 2021, 31, 548-549.	1.6	3
15	Cocatalyst versus precatalyst impact on the vinyl-addition polymerization of norbornenes with polar groups: looking at the other side of the coin. <i>Polymer Chemistry</i> , 2021, 12, 6355-6362.	3.9	9
16	9-ING-41, a Small Molecule Inhibitor of GSK-3 β , Potentiates the Effects of Chemotherapy on Colorectal Cancer Cells. <i>Frontiers in Pharmacology</i> , 2021, 12, 777114.	3.5	3
17	Polymerization of 5-Alkylidene-2-norbornenes with Highly Active Pd–N-Heterocyclic Carbene Complex Catalysts: Catalyst Structure–Activity Relationships. <i>ACS Catalysis</i> , 2020, 10, 1663-1678.	11.2	36
18	Impact of the RAFT/MADIX agent on protonated diallylammonium monomer cyclopolymerization with efficient chain transfer to monomer. <i>European Polymer Journal</i> , 2020, 122, 109363.	5.4	7

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19	Polymerization of 5-Ethylidene-2-norbornene in the Presence of Pd ^{II} -N-Heterocyclic Carbene Complexes with Phosphine and Pyridine Ligands. <i>Polymer Science - Series B</i> , 2020, 62, 319-327.	0.8	3
20	Extension of an Encapsulating Macrobicyclic Ligand Using the Palladium-Catalyzed Suzuki-Miyaura Reaction of a Diiodocyclometalated Iron(II) Tris-Glyoximate with Reactive Halogen Atoms in Its Apical Substituents. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 1494-1502.	1.3	5
21	Breast cancer organoid model allowed to reveal potentially beneficial combinations of 3,3'-diindolylmethane and chemotherapy drugs. <i>Biochimie</i> , 2020, 179, 217-227.	2.6	13
22	Undirected ortho-selectivity in C-H arylation of arenes catalyzed by NHC platinum(0) complexes. <i>Mendeleev Communications</i> , 2020, 30, 569-571.	1.6	4
23	Deep blue luminescent cyclometalated 1,2,3-triazol-5-ylidene iridium(III) complexes. <i>Mendeleev Communications</i> , 2020, 30, 717-718.	1.6	8
24	New expanded-ring NHC platinum(0) complexes: Synthesis, structure and highly efficient diboration of terminal alkenes. <i>Journal of Organometallic Chemistry</i> , 2020, 912, 121140.	1.8	8
25	Modifications of addition poly(5-vinyl-2-norbornene) and gas-transport properties of the obtained polymers. <i>Reactive and Functional Polymers</i> , 2020, 149, 104513.	4.1	30
26	Comparative activity of yttrium(III) pincer complexes in isoprene polymerization. <i>Russian Chemical Bulletin</i> , 2020, 69, 2307-2311.	1.5	4
27	Nitromethane as a reagent for the synthesis of 3-nitroindoles from 2-haloarylamine derivatives. <i>Russian Chemical Bulletin</i> , 2020, 69, 2370-2377.	1.5	12
28	Transition-Metal-Free Synthesis of 1,2-Disubstituted Indoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4844-4854.	2.4	11
29	Alkynyl- or Azido-Functionalized 1,2,3-Triazoles: Selective MonoCuAAC Promoted by Physical Factors. <i>ChemistrySelect</i> , 2019, 4, 7470-7475.	1.5	5
30	Synthesis, Molecular, and Gas-Transport Properties of Homopolymers Based on 5-Ethylidene-2-norbornene and 5-Vinyl-2-norbornene. <i>Polymer Science - Series C</i> , 2019, 61, 86-101.	1.7	8
31	Solvent-free Suzuki and Stille cross-coupling reactions of 4- and 5-halo-1,2,3-triazoles. <i>Mendeleev Communications</i> , 2019, 29, 147-149.	1.6	20
32	Cyclometalated 1,2,3-triazol-5-ylidene iridium(III) complexes: synthesis, structure, and photoluminescence properties. <i>Mendeleev Communications</i> , 2019, 29, 128-131.	1.6	14
33	<i>In situ</i> transformations of Pd/NHC complexes with N-heterocyclic carbene ligands of different nature into colloidal Pd nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 482-492.	6.0	19
34	Solvent- and transition metal-free amide synthesis from phenyl esters and aryl amines. <i>RSC Advances</i> , 2019, 9, 1536-1540.	3.6	20
35	Effect of AuPd Bimetal Sensitization on Gas Sensing Performance of Nanocrystalline SnO ₂ Obtained by Single Step Flame Spray Pyrolysis. <i>Nanomaterials</i> , 2019, 9, 728.	4.1	31
36	Making endo-cyclizations favorable again: a conceptually new synthetic approach to benzotriazoles via azide group directed lithiation/cyclization of 2-azidoaryl bromides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4523-4534.	2.8	10

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37	Mixed <i>er</i> -NHC/phosphine Pd(<i>sc</i>) complexes and their catalytic activity in the Buchwald–Hartwig reaction under solvent-free conditions. <i>Dalton Transactions</i> , 2019, 48, 3447-3452.	3.3	31
38	Azide–Alkyne Cycloaddition (CuAAC) in Alkane Solvents Catalyzed by Fluorinated NHC Copper(I) Complex. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1016-1020.	2.4	20
39	Distribution of benzo-substituted crown-ethers between chloroform and water: effects of macrocycle ring size and lithium chloride. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 535-541.	1.5	7
40	Addition homo- and copolymerization of 3-triethoxysilyl-tricyclo[4.2.1.0 ^{2,5}]non-7-ene. <i>Russian Chemical Bulletin</i> , 2018, 67, 121-126.	1.5	13
41	Mild and Regioselective Synthesis of 3-CF ₃ -Pyrazoles by the AgOTf-Catalysed Reaction of CF ₃ -Nones with Hydrazines. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3750-3755.	2.4	33
42	Rare-Earth Complexes with the 5,5-Bitetrazolate Ligand - Synthesis, Structure, Luminescence Properties, and Combustion Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 805-815.	2.0	11
43	Stannylation of Aryl Halides, Stille Cross-Coupling, and One-Pot, Two-Step Stannylation/Stille Cross-Coupling Reactions under Solvent-Free Conditions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 120-125.	2.4	21
44	One-pot two-step stannylation/Stille homocoupling of aryl bromides and iodides under solvent-free conditions. <i>Mendeleev Communications</i> , 2018, 28, 323-325.	1.6	8
45	Addition Homo- and Copolymerizations of Dicyclopentadiene and 5-Hexyl-norbornene in the Presence of Pd-N-Heterocyclic Carbene Complexes. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800323.	2.2	11
46	Microporous Materials Based on Norbornadiene-Based Cross-Linked Polymers. <i>Polymers</i> , 2018, 10, 1382.	4.5	17
47	Addition Polymerization of 5-Ethylidene-2-Norbornene in the Presence of Pd N-Heterocyclic Carbene Complexes. <i>Doklady Chemistry</i> , 2018, 479, 49-52.	0.9	5
48	Addition polymerization of 5-vinyl-2-norbornene and 5-ethylidene-2-norbornene. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
49	Synthesis and properties of polynorbornenes containing trialkoxysilyl groups. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
50	Janus tricyclononene polymers bearing tri(<i>n</i> -alkoxy)silyl side groups for membrane gas separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19393-19408.	10.3	68
51	Synthesis and Study of the Thermal and Ballistic Properties of SMX. <i>Central European Journal of Energetic Materials</i> , 2018, 15, 30-46.	0.4	5
52	Eight-membered-ring diaminocarbenes bearing naphthalene moiety in the backbone: DFT studies, synthesis of amidinium salts, generation of free carbene, metal complexes, and solvent-free copper catalyzed azide–alkyne cycloaddition (CuAAC) reaction. <i>Dalton Transactions</i> , 2017, 46, 4331-4345.	3.3	43
53	Synthesis of metathesis catalysts with fluorinated unsymmetrical N,N'-diaryl imidazoline-based NHC ligands. <i>Journal of Fluorine Chemistry</i> , 2017, 200, 66-76.	1.7	14
54	Fluorinated Unsymmetrical N,N'-Diaryl Imidazolium Salts—New Functionalized NHC Ligand Precursors. <i>Chemistry - A European Journal</i> , 2017, 23, 6663-6674.	3.3	20

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55	Optimization Studies on Synthesis of α -TKX. Chinese Journal of Chemistry, 2017, 35, 98-102.	4.9	16
56	A general method of Suzuki–Miyaura cross-coupling of 4- and 5-halo-1,2,3-triazoles in water. Organic and Biomolecular Chemistry, 2017, 15, 9575-9578.	2.8	14
57	Reexamination of an Energetic Nitrate Ester SHN. Propellants, Explosives, Pyrotechnics, 2017, 42, 1014-1019.	1.6	8
58	General Method for the Synthesis of 1,4-Disubstituted 5-Halo-1,2,3-triazoles. European Journal of Organic Chemistry, 2017, 2017, 5225-5230.	2.4	15
59	Solvent-free Buchwald–Hartwig amination with low palladium loadings. Mendeleev Communications, 2017, 27, 618-620.	1.6	21
60	On cyclization of 2-chloro-N-phenacylpyridinium ylides by the action of aryldiazonium salts. Chemistry of Heterocyclic Compounds, 2016, 52, 727-729.	1.2	2
61	An unprecedentedly simple method of synthesis of aryl azides and 3-hydroxytriazenes. Green Chemistry, 2016, 18, 5984-5988.	9.0	22
62	New ultra low bandgap thiadiazolequinoxaline-based D-A copolymers for photovoltaic applications. Organic Electronics, 2016, 37, 411-420.	2.6	2
63	Miyaura Borylation and One–Pot Two–Step Homocoupling of Aryl Chlorides and Bromides under Solvent–Free Conditions. Advanced Synthesis and Catalysis, 2016, 358, 977-983.	4.3	49
64	Solvent–Free Buchwald–Hartwig (Hetero)arylation of Anilines, Diarylamines, and Dialkylamines Mediated by Expanded–Ring N–Heterocyclic Carbene Palladium Complexes. European Journal of Organic Chemistry, 2016, 2016, 1908-1914.	2.4	62
65	Synthesis of new symmetrical carbazole- and fluorene-containing β -diketones. Doklady Chemistry, 2015, 463, 215-220.	0.9	2
66	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. Russian Chemical Reviews, 2014, 83, 885-985.	6.5	182
67	Solvent–Free Buchwald–Hartwig Reaction of Aryl and Heteroaryl Halides with Secondary Amines. European Journal of Organic Chemistry, 2014, 2014, 3319-3322.	2.4	49
68	Suzuki–Miyaura Cross–Coupling under Solvent–Free Conditions. Advanced Synthesis and Catalysis, 2013, 355, 3553-3557.	4.3	28