Andrey F Asachenko

List of Publications by Year
in descending order

84 papers	1,694 citations	331670 21 h-index	330143 37 g-index
90 all docs	90 docs citations	90 times ranked	1658 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. Journal of Membrane Science, 2022, 641, 119848.	8.2	14
2	Polynorbornenes bearing ether fragments in substituents: Promising membrane materials with enhanced CO2 permeability. Journal of Membrane Science, 2022, 648, 120340.	8.2	13
3	Highly efficient synthesis of 3,4-diarylbutadiene sulfones using Heckâ€“Matsuda reaction. RSC Advances, 2022, 12, 5517-5521.	3.6	1
4	Solvent-free palladium-catalyzed C O cross-coupling of (hetero)aryl halides with primary alcohols. Mendeleev Communications, 2022, 32, 258-259.	1.6	1
5	General Method of Synthesis of 5-(Het)arylamino-1,2,3-triazoles via Buchwaldâ€“Hartwig Reaction of 5-Amino- or 5-Halo-1,2,3-triazoles. Molecules, 2022, 27, 1999.	3.8	2
6	Ring size and nothing else matters: unusual regioselectivity of alkyne hydration by NHC gold(<scp>i</scp>) complexes. Chemical Communications, 2021, 57, 5686-5689.	4.1	15
7	Synthesis and optical properties of novel unsymmetrically substituted benzothiadiazole-based luminophores. Mendeleev Communications, 2021, 31, 33-35.	1.6	10
8	Oneâ€Pot Synthesis of 5â€Aminoâ€1,2,3â€triazole Derivatives via Dipolar Azideâ^'Nitrile Cycloaddition and Dimroth Rearrangement under Solventâ€Free Conditions. European Journal of Organic Chemistry, 2021, 2021, 1378-1384.	2.4	12
9	A Set of Active Promoters with Different Activity Profiles for Superexpressing Rhodococcus Strain. ACS Synthetic Biology, 2021, 10, 515-530.	3.8	5
10	Solvent-free palladium-catalyzed Câ€“O cross-coupling of aryl bromides with phenols. Mendeleev Communications, 2021, 31, 409-411.	1.6	6
11	Solvent-free palladium-catalyzed Câ€“O cross-coupling of aryl bromides with phenols. Mendeleev Communications, 2021, 31, 409-411.	1.6	3
12	NHC Pdii complexes for the solvent-free telomerisation of isoprene with methanol. Mendeleev Communications, 2021, 31, 478-480.	1.6	10
13	Efficient synthesis of 3-arylbutadiene sulfones using the Heckâ€“Matsuda reaction. Mendeleev Communications, 2021, 31, 548-549.	1.6	3
14	Cocatalyst versus precatalyst impact on the vinyl-addition polymerization of norbornenes with polar groups: looking at the other side of the coin. Polymer Chemistry, 2021, 12, 6355-6362.	3.9	9
15	9-ING-41, a Small Molecule Inhibitor of GSK-3Î², Potentiates the Effects of Chemotherapy on Colorectal Cancer Cells. Frontiers in Pharmacology, 2021, 12, 777114.	3.5	3
16	Polymerization of 5-Alkylidene-2-norbornenes with Highly Active Pdâ€“N-Heterocyclic Carbene Complex Catalysts: Catalyst Structureâ€“Activity Relationships. ACS Catalysis, 2020, 10, 1663-1678.	11.2	36
17	Impact of the RAFT/MADIX agent on protonated diallylammonium monomer cyclopolymerization with efficient chain transfer to monomer. European Polymer Journal, 2020, 122, 109363.	5.4	7
18	Polymerization of 5-Ethylidene-2-norbornene in the Presence of Pdâ€“N-Heterocyclic Carbene Complexes with Phosphine and Pyridine Ligands. Polymer Science - Series B, 2020, 62, 319-327.	0.8	3

#	Article	IF	Citations
19	Extension of an Encapsulating Macrobicyclic Ligand Using the Palladium-Catalyzed Suzukiâ€“Miyaura Reaction of a Diiodoclathrochelate Iron(II) Tris-Glyoximate with Reactive Halogen Atoms in Its Apical Substituents. Russian Journal of Inorganic Chemistry, 2020, 65, 1494-1502.	1.3	5
20	Breast cancer organoid model allowed to reveal potentially beneficial combinations of 3,3â€²-diindolylmethane and chemotherapy drugs. Biochimie, 2020, 179, 217-227.	2.6	13
21	Undirected ortho-selectivity in Câ€“H borylation of arenes catalyzed by NHC platinum(0) complexes. Mendeleev Communications, 2020, 30, 569-571.	1.6	4
22	Ln(<scp>ii</scp>) amido complexes coordinated by ring-expanded N-heterocyclic carbenes â€“ promising catalysts for olefin hydrophosphination. Chemical Communications, 2020, 56, 12913-12916.	4.1	21
23	Deep blue luminescent cyclometallated 1,2,3-triazol-5-ylidene iridium(iii) complexes. Mendeleev Communications, 2020, 30, 717-718.	1.6	8
24	New expanded-ring NHC platinum(0) complexes: Synthesis, structure and highly efficient diboration of terminal alkenes. Journal of Organometallic Chemistry, 2020, 912, 121140.	1.8	8
25	Modifications of addition poly(5-vinyl-2-norbornene) and gas-transport properties of the obtained polymers. Reactive and Functional Polymers, 2020, 149, 104513.	4.1	30
26	Comparative activity of yttrium(iii) pincer complexes in isoprene polymerization. Russian Chemical Bulletin, 2020, 69, 2307-2311.	1.5	4
27	Nitromethane as a reagent for the synthesis of 3-nitroindoles from 2-haloarylamine derivatives. Russian Chemical Bulletin, 2020, 69, 2370-2377.	1.5	12
28	Transitionâ€Metalâ€Free Synthesis of 1,2â€Disubstituted Indoles. European Journal of Organic Chemistry, 2019, 2019, 4844-4854.	2.4	11
29	Alkynylâ€or Azidoâ€Functionalized 1,2,3â€Triazoles: Selective MonoCuAAC Promoted by Physical Factors. ChemistrySelect, 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. Polymer Science - Series C, 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. Mendeleev Communications, 2019, 29, 147-149.	1.6	20
32	Cyclometallated 1,2,3-triazol-5-ylidene iridium(III) complexes: synthesis, structure, and photoluminescence properties. Mendeleev Communications, 2019, 29, 128-131.	1.6	14
33	In situ transformations of Pd/NHC complexes with N-heterocyclic carbene ligands of different nature into colloidal Pd nanoparticles. Inorganic Chemistry Frontiers, 2019, 6, 482-492.	6.0	19
34	Solvent- and transition metal-free amide synthesis from phenyl esters and aryl amines. RSC Advances, 2019, 9, 1536-1540.	3.6	20
35	Ansa-zirconocenes bearing 5-NR2-6-alkyl-4-hydrocarbyl-2-methylindenyl moieties: Synthesis, structure, stereoselective polymerization of propylene. Journal of Organometallic Chemistry, 2019, 892, 41-50.	1.8	3
36	Effect of AuPd Bimetal Sensitization on Gas Sensing Performance of Nanocrystalline SnO2 Obtained by Single Step Flame Spray Pyrolysis. Nanomaterials, 2019, 9, 728.	4.1	31

#	Article	IF	Citations
37	Making endo-cyclizations favorable again: a conceptually new synthetic approach to benzotriazoles via azide group directed lithiation/cyclization of 2-azidoaryl bromides. Organic and Biomolecular Chemistry, 2019, 17, 4523-4534.	2.8	10
38	Mixed er-NHC/phosphine Pd(<scp>ii</scp>) complexes and their catalytic activity in the Buchwaldâ€“Hartwig reaction under solvent-free conditions. Dalton Transactions, 2019, 48, 3447-3452.	3.3	31
39	Azideâ€“Alkyne Cycloaddition (CuAAC) in Alkane Solvents Catalyzed by Fluorinated NHC Copper(I) Complex. European Journal of Organic Chemistry, 2019, 2019, 1016-1020.	2.4	20
40	Distribution of benzo-substituted crown-ethers between chloroform and water: effects of macrocycle ring size and lithium chloride. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 535-541.	1.5	7
41	Addition homo- and copolymerization of 3-triethoxysilyltricyclo[4.2.1.02,5]non-7-ene. Russian Chemical Bulletin, 2018, 67, 121-126.	1.5	13
42	Mild and Regioselective Synthesis of 3â€CF₃â€Pyrazoles by the AgOTfâ€Catalysed Reaction of CF₃â€Ynones with Hydrazines. European Journal of Organic Chemistry, 2018, 2018, 3750-3755.	2.4	33
43	Rare-Earth Complexes with the 5,5â€²-Bitetrazolate Ligand - Synthesis, Structure, Luminescence Properties, and Combustion Catalysis. European Journal of Inorganic Chemistry, 2018, 2018, 805-815.	2.0	11
44	Evidence for Indirect Action of Ionizing Radiation in 18-Crown-6 Complexes with Halogenous Salts of Strontium: Simulation of Radiation-Induced Transformations in Ionic Liquid/Crown Ether Compositions. Journal of Physical Chemistry B, 2018, 122, 1992-2000.	2.6	7
45	Stannylation of Aryl Halides, Stille Crossâ€Coupling, and Oneâ€Pot, Twoâ€Step Stannylation/Stille Crossâ€Coupling Reactions under Solventâ€Free Conditions. European Journal of Organic Chemistry, 2018, 2018, 120-125.	2.4	21
46	Toward reliable characterization of energetic materials: interplay of theory and thermal analysis in the study of the thermal stability of tetranitroacetimidic acid (TNAA). Physical Chemistry Chemical Physics, 2018, 20, 29285-29298.	2.8	24
47	One-pot two-step stannylation/Stille homocoupling of aryl bromides and iodides under solvent-free conditions. Mendeleev Communications, 2018, 28, 323-325.	1.6	8
48	Addition Homoâ€and Copolymerizations of Dicyclopentadiene and 5â€nâ€Hexylnorbornene in the Presence of Pdâ€Nâ€Heterocyclic Carbene Complexes. Macromolecular Chemistry and Physics, 2018, 219, 1800323.	2.2	11
49	Microporous Materials Based on Norbornadiene-Based Cross-Linked Polymers. Polymers, 2018, 10, 1382.	4.5	17
50	Addition Polymerization of 5-Ethylidene-2-Norbornene in the Presence of Pd N-Heterocyclic Carbene Complexes. Doklady Chemistry, 2018, 479, 49-52.	0.9	5
51	Addition polymerization of 5-vinyl-2-norbornene and 5-ethylidene-2-norbornene. AIP Conference Proceedings, 2018, , .	0.4	2
52	Synthesis and properties of polynorbornenes containing trialkoxysilyl groups. AIP Conference Proceedings, 2018, , .	0.4	0
53	Janus tricyclononene polymers bearing tri(n-alkoxy)silyl side groups for membrane gas separation. Journal of Materials Chemistry A, 2018, 6, 19393-19408.	10.3	68
54	Synthesis and Study of the Thermal and Ballistic Properties of SMX. Central European Journal of Energetic Materials, 2018, 15, 30-46.	0.4	5

#	Article	IF	Citations
55	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 azideâ€“alkyne cycloaddition (CuAAC) reaction. Dalton Transactions, 2017, 46, 4331-4345.	3.3	43
56	Fluorinated Unsymmetrical N,Nâ€²â€Diaryl Imidazolium Saltsâ€”New Functionalized NHCâ€Ligand Precursors. Chemistry - A European Journal, 2017, 23, 6663-6674.	3.3	20
57	Optimization Studies on Synthesis of <scp>TKX</scp>â€50. Chinese Journal of Chemistry, 2017, 35, 98-102.	4.9	16
58	A general method of Suzukiâ€“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
59	Reexamination of an Energetic Nitrate Ester SHN. Propellants, Explosives, Pyrotechnics, 2017, 42, 1014-1019.	1.6	8
60	General Method for the Synthesis of 1,4â€Disubstituted 5â€Haloâ€1,2,3â€triazoles. European Journal of Organic Chemistry, 2017, 2017, 5225-5230.	2.4	15
61	Pursuing reliable thermal analysis techniques for energetic materials: decomposition kinetics and thermal stability of dihydroxylammonium 5,5â€²-bistetrazole-1,1â€²-diolate (TKX-50). Physical Chemistry Chemical Physics, 2017, 19, 436-449.	2.8	88
62	Solvent-free Buchwaldâ€“Hartwig amination with low palladium loadings. Mendeleev Communications, 2017, 27, 618-620.	1.6	21
63	Hydrohydrazination of Arylalkynes Catalyzed by an Expanded Ring Nâ€Heterocyclic Carbene (erâ€NHC) Gold Complex Under Solventâ€Free Conditions. Advanced Synthesis and Catalysis, 2016, 358, 1463-1468.	4.3	27
64	New zirconocenes with 4,5,6,7-tetrahydroindene ligands. Synthesis and catalytic activity in the polymerization of ethylene and copolymerization of ethylene with hex-1-ene. Russian Chemical Bulletin, 2016, 65, 1580-1585.	1.5	4
65	An unprecedentedly simple method of synthesis of aryl azides and 3-hydroxytriazenes. Green Chemistry, 2016, 18, 5984-5988.	9.0	22
66	Preparation of N-phenyl-p-phenylenediamine by coupling of aniline and nitrobenzene in KOHâ€“poly(ethylene glycol) medium. Mendeleev Communications, 2016, 26, 555-557.	1.6	3
67	Coupling of aromatic aldehydes with aryl halides in the presence of nickel catalysts with diazabutadiene ligands. Russian Chemical Bulletin, 2016, 65, 456-463.	1.5	11
68	Miyaura Borylation and Oneâ€Pot Twoâ€Step Homocoupling of Aryl Chlorides and Bromides under Solventâ€Free Conditions. Advanced Synthesis and Catalysis, 2016, 358, 977-983.	4.3	49
69	Solventâ€Free Buchwaldâ€“Hartwig (Hetero)arylation of Anilines, Diarylamines, and Dialkylamines Mediated by Expandedâ€Ring Nâ€Heterocyclic Carbene Palladium Complexes. European Journal of Organic Chemistry, 2016, 2016, 1908-1914.	2.4	62
70	Combustion behavior and physico-chemical properties of dihydroxylammonium 5,5â€²-bistetrazole-1,1â€²-diolate (TKX-50). Thermochimica Acta, 2015, 614, 85-92.	2.7	88
71	Catalytic activity of palladium complexes with stable diaminocarbenes containing five-, six- and seven-membered rings in the Suzuki-Miyaura reaction. Russian Chemical Bulletin, 2014, 63, 890-894.	1.5	12
72	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

#	Article	IF	Citations
73	Regioâ€•and Stereoselective Dimerization of Arylacetylenes and Optical and Electrochemical Studies of (E)â€1,3â€Enynes. Advanced Synthesis and Catalysis, 2014, 356, 2671-2678.	4.3	28
74	Expandedâ€Ring Nâ€Heterocyclic Carbenes Efficiently Stabilize Gold(I) Cations, Leading to High Activity in Ï€â€Acidâ€Catalyzed Cyclizations. Chemistry - A European Journal, 2014, 20, 6162-6170.	3.3	59
75	Solventâ€Free Buchwaldâ€“Hartwig Reaction of Aryl and Heteroaryl Halides with Secondary Amines. European Journal of Organic Chemistry, 2014, 2014, 3319-3322.	2.4	49
76	Suzukiâ€“Miyaura Crossâ€Coupling under Solventâ€Free Conditions. Advanced Synthesis and Catalysis, 2013, 355, 3553-3557.	4.3	28
77	Expanded ring diaminocarbene palladium complexes: synthesis, structure, and Suzukiâ€“Miyaura cross-coupling of heteroaryl chlorides in water. Dalton Transactions, 2013, 42, 6859.	3.3	82
78	New catalyst for homocoupling of aryl halides based on nickel complexes with diazabutadiene ligands. Russian Journal of Organic Chemistry, 2011, 47, 1774-1776.	0.8	9
79	Synthesis of 5â€²,6â€²,7â€²,7Aâ€²-tetrahydrospiro[cyclohexane-1,4â€²-inden]-2â€²(1â€²H)-one and 1â€²,2â€²,6â€²,7â€²-tetrahydrospiro[cyclohexane-1,4â€²-inden]-3â€²(5â€²H)-one. Moscow University Chemistry Bulletin, 2011, 66, 302-306.	0.6	10
80	Zirconium complexes bearing Î·5-5â€²,6â€²,7â€²-trihydrospiro[cycloalkane-1,4â€²-indenyl] ligands. Journal of Organometallic Chemistry, 2010, 695, 1940-1948.	1.8	4
81	Group 4 Metallocenes Bearing Î·⁵-(N-Azolyl)indenyl Ligands: Synthesis, Structure Characterization, and Olefin Polymerization Catalysis. Organometallics, 2009, 28, 1800-1816.	2.3	14
82	Palladium-Catalyzed Cross-Coupling Reactions of Bromo-Substituted Group 4 Metallocenes. Organometallics, 2009, 28, 3614-3617.	2.3	8
83	8-Methoxy-5-methyl-2,3-dihydro-1H-cyclopenta[a]naphthalene: synthesis and reactivity. Russian Chemical Bulletin, 2008, 57, 2564-2571.	1.5	2
84	Palladium-Catalyzed Pathways to Aryl-Substituted Indenes:Â Efficient Synthesis of Ligands and the Respectiveansa-Zirconocenes. Organometallics, 2006, 25, 1217-1229.	2.3	43