

# Boris A Trofimov

## List of Publications by Citations

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#	Paper	IF	Citations
1114	C-vinylpyrroles as pyrrole building blocks. <i>Chemical Reviews</i> , <b>2004</b> , 104, 2481-506	68.1	159
1113	Acetylene and its Derivatives in Reactions with Nucleophiles: Recent Advances and Current Trends. <i>Current Organic Chemistry</i> , <b>2002</b> , 6, 1121-1162	1.7	135
1112	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , <b>2018</b> , 87, 393-507	6.8	111
1111	Organofluorine chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , <b>2019</b> , 88, 425-569	6.8	90
1110	New Hindered BODIPY Derivatives: Solution and Amorphous State Fluorescence Properties $\square$ <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11844-11855	3.8	82
1109	Nucleophilic addition of phosphine to aryl- and hetarylethenes a convenient synthesis of bis(2-arylalkyl)- and bis(2-hetaralkyl)phosphines. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 7647-7650	2	82
1108	Elemental phosphorus in strongly basic media as phosphorylating reagent: a dawn of halogen-free $\square$ green $\square$ organophosphorus chemistry. <i>Mendeleev Communications</i> , <b>2009</b> , 19, 295-302	1.9	81
1107	Ethynylation of pyrroles with 1-acyl-2-bromoacetylenes on alumina: a formal $\square$ inverse Sonogashira coupling $\square$ <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6513-6516	2	79
1106	Transition-metal-free superbse-promoted stereoselective $\square$ vinylation of ketones with arylacetylenes: a general strategy for synthesis of $\square$ unsaturated ketones. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 6880-6	4.2	77
1105	Understanding the Spectroscopic Properties and Aggregation Process of a New Emitting Boron Dipyrromethene (BODIPY). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5373-5385	3.8	76
1104	General route to symmetric and asymmetric meso-CF <sub>3</sub> -3(5)-aryl(hetaryl)- and 3,5-diaryl(dihetaryl)-BODIPY dyes. <i>Organic Letters</i> , <b>2011</b> , 13, 2524-7	6.2	72
1103	Novel general halogen-free methodology for the synthesis of organophosphorus compounds. <i>Pure and Applied Chemistry</i> , <b>2012</b> , 84, 439-459	2.1	67
1102	Base-catalyzed stereoselective vinylation of ketones with arylacetylenes: a new C(sp <sup>3</sup> )-C(sp <sup>2</sup> ) bond-forming reaction. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8516-21	4.8	67
1101	Nucleophilic and free-radical additions of phosphines and phosphine chalcogenides to alkenes and alkynes. <i>Arkivoc</i> , <b>2006</b> , 2006, 12-36	0.9	66
1100	Phosphine in the synthesis of organophosphorus compounds. <i>Russian Chemical Reviews</i> , <b>1999</b> , 68, 215-278	2.7	63
1099	Carbon-carbon coupling constants - a new guide in the stereochemistry of oximes. <i>Tetrahedron Letters</i> , <b>1984</b> , 25, 4817-4820	2	62
1098	Vibrations of the S $\square$ S bond in elemental sulfur and organic polysulfides: a structural guide. <i>Journal of Sulfur Chemistry</i> , <b>2009</b> , 30, 518-554	2.3	60

1097	A highly selective fluorescent sensor for fluoride anion based on pyrazole derivative: Naked eye color detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 217, 29-34	4.7	58
1096	Preparation of Pyrroles from Ketoximes and Acetylenes. <i>Advances in Heterocyclic Chemistry</i> , <b>1990</b> , 51, 177-301	2.4	58
1095	Oximes as reagents. <i>Russian Chemical Reviews</i> , <b>2006</b> , 75, 797-823	6.8	56
1094	Chalcogenation in Multiphase Superbase Systems. <i>Sulfur Reports</i> , <b>1992</b> , 11, 207-227		56
1093	Acetylene: new prospects of classical reactions. <i>Russian Chemical Reviews</i> , <b>2007</b> , 76, 507-527	6.8	54
1092	Reactions of Acetylene in Superbasic Media. <i>Russian Chemical Reviews</i> , <b>1981</b> , 50, 138-150	6.8	50
1091	Further Development of the Ketoxime-based Pyrrole Synthesis. <i>Heterocycles</i> , <b>1994</b> , 37, 1193	0.8	47
1090	Acetylenes in the Superbase-Promoted Assembly of Carbocycles and Heterocycles. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1117-1130	24.3	46
1089	Elemental phosphorus/strong base as a system for the synthesis of organophosphorus compounds. <i>Russian Chemical Reviews</i> , <b>1991</b> , 60, 1360-1367	6.8	45
1088	Synthesis and optical properties of 2-(benzo[b]thiophene-3-yl)pyrroles and a new BODIPY fluorophore (BODIPY = 4,4-difluoro-4-bora-3a,4a-diaza-s-indacene). <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 5823-30	4.8	44
1087	Reactions of 2-phenylpyrrole with bromobenzoylacetylene on metal oxides active surfaces. <i>Tetrahedron</i> , <b>2008</b> , 64, 5541-5544	2.4	44
1086	Divinyl Sulfide: Synthesis, Properties, and Applications. <i>Sulfur Reports</i> , <b>1984</b> , 3, 323-393		44
1085	C-H...N and C-H...O intramolecular hydrogen bonding effects in the 1H, 13C and 15N NMR spectra of the configurational isomers of 1-vinylpyrrole-2-carbaldehyde oxime substantiated by DFT calculations. <i>Magnetic Resonance in Chemistry</i> , <b>2009</b> , 47, 105-12	2.1	42
1084	Application of copper catalysis in a one-pot procedure for 1-alkyl-3-methoxy-2-methylthiopyrroles starting from methoxyallene and alkyl isothiocyanates. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 2409-2410	2	42
1083	Reaction of 3-(1-Hydroxycyclohexyl)-2-propynenitrile with Tris[2-(4-pyridyl)ethyl]phosphine Oxide. <i>Synthesis</i> , <b>2002</b> , 2002, 853-855	2.9	42
1082	Synthesis of 2,5-bis(N,N-dialkylamino)thiophenes or 1-alkyl-2-N,N-dialkylamino-5-methylthiopyrroles from propargylic amines and isothiocyanates. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 7241-7242	2	41
1081	A one-pot approach to $\alpha$ -isoxazolines from ketones and arylacetylenes. <i>Organic Letters</i> , <b>2013</b> , 15, 104-7	6.2	40
1080	One-Pot Assembly of 7-Methylene-6,8-dioxabicyclo[3.2.1]octanes, Congeners of Frontalin, from Ketones and Acetylene. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 5142-5145	3.2	40

1079	Orange to black electrochromic behaviour in poly(2-(2-thienyl)-1H-pyrrole) thin films. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 4784-4791	6.7	40
1078	Bactericidal action of Ag(0)-antithrombotic sulfated arabinogalactan nanocomposite: coevolution of initial nanocomposite and living microbial cell to a novel nonliving nanocomposite. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2011</b> , 7, 827-33	6	38
1077	Influence of the Introduction of Short Alkyl Chains in Poly(2-(2-Thienyl)-1H-pyrrole) on Its Electrochromic Behavior. <i>Macromolecules</i> , <b>2008</b> , 41, 6886-6894	5.5	38
1076	Reactions of acetylenes in superbasic media. Recent advances. <i>Russian Chemical Reviews</i> , <b>2014</b> , 83, 600-619	6.9	37
1075	Synthesis of 2-(selenophen-2-yl)pyrroles and their electropolymerization to electrochromic nanofilms. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 6435-45	4.8	37
1074	2-Arylazo-1-vinylpyrroles: A Novel Promising Family of Reactive Dyes. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4021-4033	3.2	37
1073	Nanobiocomposites of noble metals based on arabinogalactan: Preparation and properties. <i>Journal of Structural Chemistry</i> , <b>2007</b> , 48, 922-927	0.9	36
1072	Intramolecular interactions in N-vinyl-2-arylpyrroles and -2-heteroarylpyrroles by <sup>1</sup> H and <sup>13</sup> C NMR. <i>Magnetic Resonance in Chemistry</i> , <b>1990</b> , 28, 580-586	2.1	36
1071	Synthesis of nitrogen, phosphorus, selenium and sulfur-containing heterocyclic compounds - Determination of their carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and α-glycosidase inhibition properties. <i>Bioorganic Chemistry</i> , <b>2020</b> , 103, 104171	5.1	36
1070	Tuning BODIPY molecular rotors into the red: sensitivity to viscosity vs. temperature. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2828-2833	7.1	35
1069	Synthesis of 2,3-dihydropyridines, cyclobutanopyrrolines and quinolines from lithiated allenes and isothiocyanates. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 6905-6908	2	35
1068	A facile annelation of pyridines with nitriles of α-acetylenic hydroxyacids. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 1093-1096	2	35
1067	Ultrasensitive reversible chromophore reaction of BODIPY functions as high ratio double turn on probe. <i>Nature Communications</i> , <b>2018</b> , 9, 362	17.4	34
1066	Different types of hydrogen bonds in 2-substituted pyrroles and 1-vinyl pyrroles as monitored by ( <sup>1</sup> H), ( <sup>13</sup> C) and ( <sup>15</sup> N) NMR spectroscopy and ab initio calculations. <i>Magnetic Resonance in Chemistry</i> , <b>2006</b> , 44, 59-65	2.1	34
1065	Nucleophilic addition of phosphine to 1-(tert-butyl)-4-vinylbenzene: a short-cut to bulky secondary and tertiary phosphines and their chalcogenides. <i>Mendeleev Communications</i> , <b>2008</b> , 18, 260-261	1.9	33
1064	Reactions of unsaturated carbanions with isothiocyanates: A new avenue to fundamental heterocycles. <i>Journal of Heterocyclic Chemistry</i> , <b>1999</b> , 36, 1469-1490	1.9	33
1063	Chemistry of Pyrroles		33
1062	A general synthetic strategy for the design of new BODIPY fluorophores based on pyrroles with polycondensed aromatic and metallocene substituents. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3069-73	4.8	31

1061	C2-Functionalization of 1-Substituted Imidazoles with Aldehydes and Electron-Deficient Acetylenes: A Novel Three-Component Reaction. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 1772-1777	3.2	31
1060	Expedient one-pot organometallics-free synthesis of tris(2-pyridyl)phosphine from 2-bromopyridine and elemental phosphorus. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 2424-2427	2	30
1059	New Intermediates for Organic Synthesis based on Acetylene. <i>Zeitschrift Für Chemie</i> , <b>2010</b> , 26, 41-49		30
1058	Eneidyne antibiotics and their models: new potential of acetylene chemistry. <i>Russian Chemical Reviews</i> , <b>2006</b> , 75, 825-845	6.8	30
1057	Acetylene-based Functionalized Dihydrofuranones and Related Biomimetic Assemblies. <i>Heterocycles</i> , <b>1999</b> , 51, 2485	0.8	30
1056	Nucleophilic Addition of Ketones To Acetylenes and Allenes: A Quantum-Chemical Insight. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 12467-12476	4.2	29
1055	Protected bis(hydroxyorganyl) polysulfides as modifiers of Li/S battery electrolyte. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 2458-2463	6.7	29
1054	Redox reactions of arabinogalactan with silver ions and formation of nanocomposites. <i>Russian Journal of General Chemistry</i> , <b>2006</b> , 76, 1111-1116	0.7	29
1053	Stereoselective C(2)-vinylation of 1-substituted imidazoles with 3-phenyl-2-propynenitrile. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 9155-7	4.2	28
1052	Expedient synthesis of 1-vinylpyrrole-2-carbaldehydes. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 3693-3696	2	28
1051	O-Vinyldiaryl- and O-vinylaryl(hetaryl)ketoximes: a breakthrough in O-vinylloxime chemistry. <i>Tetrahedron</i> , <b>2002</b> , 58, 10043-10046	2.4	28
1050	Nanocomposites with Magnetic, Optical, Catalytic, and Biologically Active Properties Based on Arabinogalactan. <i>Doklady Chemistry</i> , <b>2003</b> , 393, 287-288	0.8	28
1049	Transition Metal-Free Stereoselective $\alpha$ -Vinylation of Cyclic Ketones with Arylacetylenes in the Superbasic Catalytic Triad Potassium Hydroxide/tert-Butyl Alcohol/Dimethyl Sulfoxide. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 1813-1818	5.6	27
1048	Reactions of heterocumulenes with organometallic reagents: XVII. One-pot synthesis of alkoxy and (alkylsulfanyl)-substituted pyrroles and 2,3-dihydropyridines from aliphatic isothiocyanates and lithiated alkoxyallenes. <i>Russian Journal of Organic Chemistry</i> , <b>2011</b> , 47, 659-677	0.7	27
1047	One-Pot Syntheses of 2-N-Alkylamino-, 2-N-Phenylamino-, 2-N, N-Dialkylamino-, and 2-N-Alkyl-N-phenylaminothiophenes. <i>European Journal of Organic Chemistry</i> , <b>1998</b> , 1998, 253-256	3.2	27
1046	Synthesis and structure of bis(2-phenylethyl) phosphine selenide. <i>Journal of Structural Chemistry</i> , <b>2005</b> , 46, 1066-1071	0.9	27
1045	Bipyrroles, furyl- and thienylpyrroles. <i>Russian Chemical Reviews</i> , <b>1999</b> , 68, 459-482	6.8	27
1044	Facile Self-Assembly Synthesis and Characterization of Diselenophosphinato Octanuclear CuI Clusters Inscribed in a Twelve-Vertex Selenium Polyhedron. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 4921-4929	2.3	26

- 1043 A domino reaction of alpha,beta-acetylenic gamma-hydroxy nitriles with arenecarboxylic acids: an unexpected facile shortcut to 4-cyano-3(2H)-furanones. *Organic Letters*, **2010**, 12, 3200-3 6.2 26
- 1042 Regio- and stereoselective annelation of phenanthridines with alpha-acetylenic hydroxyacid nitriles. *Tetrahedron*, **2005**, 61, 8031-8034 2.4 26
- 1041 Peroxidase-catalysed synthesis of electroconductive polypyrrole. *Mendeleev Communications*, **2008**, 18, 56-58 1.9 25
- 1040 A one-pot synthesis of a branched tertiary phosphine oxide from red phosphorus and 1-(tert-butyl)-4-vinylbenzene in KOH/DMSO: an unusually facile addition of P-centered nucleophiles to a weakly electrophilic double bond. *Tetrahedron Letters*, **2008**, 49, 3480-3483 2 25
- 1039 Cascade cyclization of quinoline and quinoxaline with nitriles of alpha-acetylenic hydroxy acids. *Mendeleev Communications*, **2003**, 13, 186-188 1.9 25
- 1038 Synthesis, Structure, and Spectral Properties of Bis(pyrrol-2-yl)pyridines. *European Journal of Organic Chemistry*, **2005**, 2005, 4338-4345 3.2 25
- 1037 Synthesis of C-vinylpyrroles. *Russian Chemical Reviews*, **2002**, 71, 563-591 6.8 25
- 1036 Synthesis of Heterocyclic Compounds from Metallated Unsaturated Compounds and Isothiocyanates. (Review). *Chemistry of Heterocyclic Compounds*, **2000**, 36, 1241-1260 1.4 25
- 1035 Preconcentration of gold, silver, palladium, platinum, and ruthenium with organophosphorus extractants. *Russian Journal of Applied Chemistry*, **2009**, 82, 183-189 0.8 24
- 1034 Bifurcated hydrogen-bonding effect on the shielding and coupling constants in trifluoroacetyl pyrroles as studied by <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N NMR spectroscopy and DFT calculations. *Magnetic Resonance in Chemistry*, **2007**, 45, 220-30 2.1 24
- 1033 Synthesis and Optical Properties of Difluorobora-s-diazaindacene Dyes with Trifluoromethyl meso-Substituents. *European Journal of Organic Chemistry*, **2013**, 2013, 4107-4118 3.2 23
- 1032 Chemo-, regio- and stereospecific addition of amino acids to acylacetylenes: a facile synthesis of new N-acylvinyl derivatives of amino acids. *Tetrahedron*, **2009**, 65, 9814-9818 2.4 23
- 1031 Ethynylation of indoles with 1-benzoyl-2-bromoacetylene on Al<sub>2</sub>O<sub>3</sub>. *Tetrahedron Letters*, **2006**, 47, 7139-7141 2.3 23
- 1030 Reaction of anabasine with 3-(1-hydroxycyclohexyl)-2-propynenitrile: a new route to functionalised anabasine alkaloids. *Mendeleev Communications*, **2005**, 15, 33-35 1.9 23
- 1029 Synthesis of pyrroles from aliphatic compounds. *Russian Chemical Reviews*, **1989**, 58, 163-180 6.8 23
- 1028 Luminescent CuI thiocyanate complexes based on tris(2-pyridyl)phosphine and its oxide: from mono-, di- and trinuclear species to coordination polymers. *New Journal of Chemistry*, **2016**, 40, 10028-10040 3.6 23
- 1027 Direct synthesis of butadiynyl-substituted pyrroles under solvent- and transition metal-free conditions. *RSC Advances*, **2015**, 5, 73241-73248 3.7 22
- 1026 Metal-free stereoselective annulation of quinolines with trifluoroacetylacetylenes and water: an access to fluorinated oxazinoquinolines. *Chemical Communications*, **2018**, 54, 2268-2271 5.8 22

1025	Chiroplasmonic magnetic gold nanocomposites produced by one-step aqueous method using $\beta$ -carrageenan. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 18-26	10.3	22
1024	Superbase-Promoted Selective Cascade Cyclization Reaction of 1,5-Diketones with Acetylenes to Methylene-6,8-dioxabicyclo[3.2.1]octanes. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 2453-2460	3.2	22
1023	Synthesis of new secondary phosphine chalcogenides with bulky substituents from aryl(hetaryl)ethenes, red phosphorus, sulfur, and selenium. <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 1617-1621	0.7	22
1022	Synthesis of Functionalized 3,4-Dihydropyrans via Rearrangement of the Products of a One-Pot Diastereoselective Assembly of Ketones and Acetylene. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 6727-6730	3.2	22
1021	Synthesis of 3-heteroalkyl-2-N-organylaminothiophenes. The first proof for amino-imino tautomerism of N-monosubstituted aminothiophenes. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 2433-2436	2	22
1020	Vinylpyrroles. <i>Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs</i> , <b>2008</b> , 131-298		22
1019	Configurational and conformational analysis of O-vinyl ketoximes by <sup>1</sup> H and <sup>13</sup> C NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2000</b> , 38, 994-1000	2.1	22
1018	Synthesis and Thermal Stability of O-Vinylketoximes. <i>Synthesis</i> , <b>2000</b> , 2000, 1125-1132	2.9	22
1017	Polymerisation of N-Vinylpyrroles. <i>Russian Chemical Reviews</i> , <b>1985</b> , 54, 609-618	6.8	22
1016	Transition-Metal Free Mechanochemical Approach to Polyene Substituted Pyrroles. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 9188-9198	4.2	21
1015	Catalyst- and Solvent-Free Addition of the P <sub>2</sub> Species to Alkenes and Alkynes: A Green Methodology for C-C Bond Formation. <i>Synthesis</i> , <b>2017</b> , 49, 4783-4807	2.9	21
1014	The reaction of red phosphorus with 1-bromonaphthalene in the KOH-DMSO system: Synthesis of tri(1-naphthyl)phosphane. <i>Heteroatom Chemistry</i> , <b>2011</b> , 22, 198-203	1.2	21
1013	Silver-containing nanocomposites based on galactomannan and carrageenan: synthesis, structure, and antimicrobial properties. <i>Russian Chemical Bulletin</i> , <b>2010</b> , 59, 2323-2328	1.7	21
1012	Chemo- and regioselective ethynylation of 4,5,6,7-tetrahydroindoles with ethyl 3-halo-2-propynoates. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3946-3949	2	21
1011	Vinyl ethers with polysulfide and hydroxyl functions and polymers therefrom as binders for lithium-sulfur batteries. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 4051-4055	2.9	21
1010	Catalyst- and Solvent-Free Rapid Addition of Secondary Phosphine Chalcogenides to Aldehydes: Another Click Chemistry. <i>Synthesis</i> , <b>2015</b> , 47, 1611-1622	2.9	20
1009	3H-Pyrroles from ketoximes and acetylene: synthesis, stability and quantum-chemical insight. <i>Tetrahedron</i> , <b>2015</b> , 71, 3273-3281	2.4	20
1008	C-Ethynylpyrroles: synthesis and reactivity. <i>Russian Chemical Reviews</i> , <b>2014</b> , 83, 475-501	6.8	20

- 1007 Base-catalyzed domino cyclization of acetylenes with ketones to functionalized cyclopentenes. *Organic Letters*, **2014**, 16, 4040-3 6.2 20
- 1006 Stereoselective free-radical addition of secondary phosphine selenides to aromatic acetylenes. *Journal of Organometallic Chemistry*, **2009**, 694, 677-682 2.3 20
- 1005 A one-pot synthesis and mild cleavage of 2-[2- or 5-(alkylsulfanyl)pyrrol-1-yl]ethyl vinyl ethers by t-BuOK/DMSO: a novel and facile approach to N-vinylpyrroles. *Tetrahedron Letters*, **2010**, 51, 5316-5318<sup>2</sup> 20
- 1004 Unexpected formation of derivatives of cyclobutene and thiacyclobutane from the reaction between dilithiated benzylacetylene and isothiocyanates. *Tetrahedron Letters*, **2001**, 42, 4687-4689 2 20
- 1003 New Reactions and Chemicals Based on Sulfur and Acetylene. *Sulfur Reports*, **1983**, 3, 83-114 20
- 1002 Tris(2-pyridyl)phosphine: a straightforward microwave-assisted synthesis from 2-bromopyridine and red phosphorus and coordination with cobalt(ii) dichloride. *Mendeleev Communications*, **2012**, 22, 187-188 1.9 19
- 1001 Facile [2+2] Cycloaddition of DDQ to an Alkyne: Synthesis of Pyrrolyl- and Indolylbicyclo[4.2.0]octadienes from C-Ethynylpyrroles or C-Ethynylindoles. *Synthesis*, **2010**, 2010, 470-476<sup>2,9</sup> 19
- 1000 One-Pot Reaction of Secondary Phosphine Selenides with Selenium and Nitrogen Bases: A Novel Synthesis of Diorganodiselenophosphinates. *Synthesis*, **2009**, 2009, 3332-3338 2.9 19
- 999 A novel simple synthesis of bis(diorganoselenophosphoryl)selenides (R<sub>2</sub>PSe)<sub>2</sub>Se from secondary phosphines and elemental selenium. *Tetrahedron Letters*, **2010**, 51, 2141-2143 2 19
- 998 Ethyenedithiol-based polyeneoligosulfides as active cathode materials for lithium-sulfur batteries. *Journal of Applied Polymer Science*, **2008**, 107, 784-787 2.9 19
- 997 N-Isopropenylazoles: I. Direct N-Isopropenylation of Azoles with Propyne and Allene. *Russian Journal of Organic Chemistry*, **2003**, 39, 408-414 0.7 19
- 996 Sulfurization of Polymers: A Novel Access to Electroactive and Conducting Materials. *Sulfur Reports*, **2003**, 24, 283-305 19
- 995 Synthesis of 3- and 5-amino-5-(3)-(pyrrol-2-yl)isoxazoles. *Tetrahedron*, **2005**, 61, 4841-4849 2.4 19
- 994 Synthesis of Acyl Terphenyls and Higher Polyaromatics via Base-Promoted C-H Functionalization of Acetylenes with Arylacetylenes. *Organic Letters*, **2016**, 18, 2158-61 6.2 19
- 993 Expedient one-step synthesis of nitrogen stilbene analogs by transition metal-free hydroamination of arylacetylenes with pyrroles. *Tetrahedron*, **2012**, 68, 1963-1971 2.4 18
- 992 Improved synthesis of tertiary propargyl alcohols by the Favorskii reaction of alkyl aryl (hetaryl) ketones with acetylene. *Russian Journal of Organic Chemistry*, **2013**, 49, 8-11 0.7 18
- 991 Methanol vinylation mechanism in the KOH/DMSO/CH<sub>3</sub>OH/C<sub>2</sub>H<sub>2</sub> system. *International Journal of Quantum Chemistry*, **2011**, 111, 2519-2524 2.1 18
- 990 Reactions of Lithiated Alkynes and Allenes with Isothiocyanates: A Simple and Efficient Synthesis of New Aryl- or Hetaryl-Substituted 3H-Azepines and 4,5-Dihydro-3H-azepines. *Synthesis*, **2011**, 2011, 2192-2204<sup>2,9</sup> 18



989	One-Pot Atom-Economic Synthesis of Thioselenophosphinates via a New Multicomponent Reaction of Secondary Phosphanes with Elemental Sulfur, Selenium, and Amines. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 6157-6160	3.2	18
988	Annelation of Benzimidazoles with $\alpha$ -Acetylenic $\beta$ -Hydroxyacid Nitriles and Hydrolytic Rearrangement of the Cycloadducts on Alumina. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 1018-1025	3.2	18
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982	Complex effects of selenium-arabinogalactan nanocomposite on both phytopathogen <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> and potato plants. <i>Nanotechnologies in Russia</i> , <b>2015</b> , 10, 484-491	0.6	17
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863	N-Vinyl-2-(trifluoroacetylenyl)pyrroles and E-2-(1-bromo-2-trifluoroacetylenyl)pyrroles: Cross-coupling vs. addition during C-H functionalization of pyrroles with bromotrifluoroacetylene in solid Al <sub>2</sub> O <sub>3</sub> medium. H-bonding control. <i>Journal of Fluorine Chemistry</i> , <b>2016</b> , 186, 1-6	2.1	11
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860	Synthesis of 5-hydroxy- $\beta$ -pyrrolines from sec-alkyl aryl ketoximes and acetylene. <i>Tetrahedron</i> , <b>2016</b> , 72, 6661-6667	2.4	10
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855	Water-soluble silver nanocomposites with 1-Vinyl-1,2,4-triazole copolymer. <i>Doklady Chemistry</i> , <b>2013</b> , 449, 87-88	0.8	10
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853	Development of Antimicrobial Nano-Selenium Biocomposite for Protecting Potatoes from Bacterial Phytopathogens. <i>Nanotechnologies in Russia</i> , <b>2017</b> , 12, 553-558	0.6	10
852	Ring-Opening of Pyridines with Acylacetylenes and Water: Straightforward Access to 5-[(Z)-Acylethenyl]amino-2,4-pentadienals. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7876-7879 <sup>2</sup>	3.2	10
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850	N-Vinyl Ferrocenophane Pyrrole: Synthesis and Physical and Chemical Properties. <i>Organometallics</i> , <b>2011</b> , 30, 6476-6481	3.8	10
849	Unexpected elimination of methanol from 6-(alkylsulfanyl)-5-methoxy-2,3-dihydropyridines using t-BuOK-DMSO: an access to 2-alkyl-6-(alkyl-sulfanyl)pyridines. <i>Chemistry of Heterocyclic Compounds</i> , <b>2011</b> , 46, 1536-1538	1.4	10
848	Gold nanoparticles stabilized with water-soluble biocompatible poly(1-vinyl-1,2,4-triazole). <i>Doklady Chemistry</i> , <b>2010</b> , 431, 63-64	0.8	10
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489	Catalyst-free addition of secondary phosphine chalcogenides to pyrazolecarbaldehydes. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 683-685	1.9	4
488	Metal- and Solvent-free Synthesis of Functionalized Dihydrooxa[2,3-b]indoles by One-Pot Tandem Assembly of 3H-Indoles and Propargylic Alcohols. <i>Synthesis</i> , <b>2019</b> , 51, 1445-1454	2.9	4
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