# Nina Gusarova

## List of Publications by Citations



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| 382 papers | 2,799 citations | 21 h-index | 35 g-index |
| 466 ext. papers | 3,128 ext. citations | 1.6 avg, IF | 4.86 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 382 | Organoelement chemistry: promising growth areas and challenges. *Russian Chemical Reviews*, **2018**, 87, 393-507 | 6.8 | 111 |
| 381 | Nucleophilic addition of phosphine to aryl- and hetarylethenes a convenient synthesis of bis(2-arylalkyl)- and bis(2-hetaralkyl)phosphines. *Tetrahedron Letters*, **1994**, 35, 7647-7650 | 2 | 82 |
| 380 | Elemental phosphorus in strongly basic media as phosphorylating reagent: a dawn of halogen-free "green" organophosphorus chemistry. *Mendeleev Communications*, **2009**, 19, 295-302 | 1.9 | 81 |
| 379 | Novel general halogen-free methodology for the synthesis of organophosphorus compounds. *Pure and Applied Chemistry*, **2012**, 84, 439-459 | 2.1 | 67 |
| 378 | Nucleophilic and free-radical additions of phosphines and phosphine chalcogenides to alkenes and alkynes. *Arkivoc*, **2006**, 2006, 12-36 | 0.9 | 66 |
| 377 | Phosphine in the synthesis of organophosphorus compounds. *Russian Chemical Reviews*, **1999**, 68, 215-227 | 6.8 | 63 |
| 376 | Vibrations of the S–S bond in elemental sulfur and organic polysulfides: a structural guide. *Journal of Sulfur Chemistry*, **2009**, 30, 518-554 | 2.3 | 60 |
| 375 | Acetylene: new prospects of classical reactions. *Russian Chemical Reviews*, **2007**, 76, 507-527 | 6.8 | 54 |
| 374 | Elemental phosphorus–strong base as a system for the synthesis of organophosphorus compounds. *Russian Chemical Reviews*, **1991**, 60, 1360-1367 | 6.8 | 45 |
| 373 | Synthesis of nitrogen, phosphorus, selenium and sulfur-containing heterocyclic compounds - Determination of their carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and α-glycosidase inhibition properties. *Bioorganic Chemistry*, **2020**, 103, 104171 | 5.1 | 36 |
| 372 | Nucleophilic additon of phosphine to 1-(tert-butyl)-4-vinylbenzene: a short-cut to bulky secondary and tertiary phosphines and their chalcogenides. *Mendeleev Communications*, **2008**, 18, 260-261 | 1.9 | 33 |
| 371 | Expedient one-pot organometallics-free synthesis of tris(2-pyridyl)phosphine from 2-bromopyridine and elemental phosphorus. *Tetrahedron Letters*, **2012**, 53, 2424-2427 | 2 | 30 |
| 370 | Synthesis and structure of bis(2-phenylethyl) phosphine selenide. *Journal of Structural Chemistry*, **2005**, 46, 1066-1071 | 0.9 | 27 |
| 369 | Facile Self-Assembly Synthesis and Characterization of Diselenophosphinato Octanuclear CuI Clusters Inscribed in a Twelve-Vertex Selenium Polyhedron. *European Journal of Inorganic Chemistry* , **2012**, 2012, 4921-4929 | 2.3 | 26 |
| 368 | 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 |
| 367 | Preconcentration of gold, silver, palladium, platinum, and ruthenium with organophosphorus extractants. *Russian Journal of Applied Chemistry*, **2009**, 82, 183-189 | 0.8 | 24 |
| 366 | 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 |

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| 365 | 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 |
| 364 | Synthesis of new secondary phosphine chalcogenides with bulky substituents from aryl(hetaryl)ethenes, red phosphorus, sulfur, and selenium. *Russian Journal of General Chemistry*, **2009**, 79, 1617-1621 | 0.7 | 22 |
| 363 | Catalyst- and Solvent-Free Addition of the PH Species to Alkenes and Alkynes: A Green Methodology for CP Bond Formation. *Synthesis*, **2017**, 49, 4783-4807 | 2.9 | 21 |
| 362 | The reaction of red phosphorus with 1-bromonaphthalene in the KOH-DMSO system: Synthesis of tri(1-naphthyl)phosphane. *Heteroatom Chemistry*, **2011**, 22, 198-203 | 1.2 | 21 |
| 361 | Vinyl Tellurides: Synthesis and Properties. *Sulfur Reports*, **1991**, 11, 1-50 | | 21 |
| 360 | Catalyst- and Solvent-Free Rapid Addition of Secondary Phosphine Chalcogenides to Aldehydes: Another Click Chemistry. *Synthesis*, **2015**, 47, 1611-1622 | 2.9 | 20 |
| 359 | Conformational analysis and stereochemical dependences of (31)P-(1)H spin-spin coupling constants of bis(2-phenethyl)vinylphosphine and related phosphine chalcogenides. *Magnetic Resonance in Chemistry*, **2009**, 47, 288-99 | 2.1 | 20 |
| 358 | Stereoselective free-radical addition of secondary phosphine selenides to aromatic acetylenes. *Journal of Organometallic Chemistry*, **2009**, 694, 677-682 | 2.3 | 20 |
| 357 | 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 |
| 356 | 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 |
| 355 | A novel simple synthesis of bis(diorganoselenophosphoryl)selenides (R2PSe)2Se from secondary phosphines and elemental selenium. *Tetrahedron Letters*, **2010**, 51, 2141-2143 | 2 | 19 |
| 354 | One-Pot Atom-Economic Synthesis of Thioselenophosphinates via a New Multicomponent Reaction of Secondary Phosphanes with Elemental Sulfur, Selenium, and Amines. *European Journal of Organic Chemistry*, **2010**, 2010, 6157-6160 | 3.2 | 18 |
| 353 | Regioselective addition of secondary phosphine oxides to 3-(trialkylsilyl)- and 3-(trialkylgermyl)-2-propynals. *Journal of Organometallic Chemistry*, **2002**, 659, 172-175 | 2.3 | 18 |
| 352 | Cleavage of PP Bonds in Phosphorus. An Efficient Method for the Preparation of Primary Alkylphosphines. *Mendeleev Communications*, **1995**, 5, 14-15 | 1.9 | 18 |
| 351 | Metal-free site selective cross-coupling of pyridines with secondary phosphine chalcogenides using acylacetylenes as oxidants. *Chemical Communications*, **2018**, 54, 3371-3374 | 5.8 | 17 |
| 350 | Diselenophosphinates. Synthesis and Applications. *Organic Preparations and Procedures International*, **2011**, 43, 381-449 | 1.1 | 17 |
| 349 | Addition of secondary phosphines to N-vinylpyrroles. *Tetrahedron Letters*, **2003**, 44, 2629-2632 | 2 | 17 |
| 348 | Reaction of secondary phosphine selenides with the system Se/MOH (M = Li, Na, K, Rb, Cs): A novel three-component synthesis of diorganodiselenophosphinates. *Journal of Organometallic Chemistry*, **2009**, 694, 4116-4120 | 2.3 | 16 |

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| 347 | Synthesis of organic phosphines and phosphine oxides from elemental phosphorus and phosphine in the presence of strong bases. *Russian Chemical Bulletin*, **1998**, 47, 1645-1652 | 1.7 | 16 |
| 346 | CHEMO- AND STEREOSELECTIVE ADDITION OF DIORGANYLPHOSPHINE OXIDES TO □ETHYLENIC ALDEHYDES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2004**, 179, 7-18 | 1 | 16 |
| 345 | One-pot reductive N-vinylation and C(4)-phosphorylation of pyridines with alkyl propiolates and secondary phosphine chalcogenides. *Tetrahedron Letters*, **2015**, 56, 4804-4806 | 2 | 15 |
| 344 | Synthesis and structural characterization of novel zinc(II) and cadmium(II) complexes with pyridine-phosphine chalcogenide ligands. *Journal of Organometallic Chemistry*, **2011**, 696, 2053-2058 | 2.3 | 15 |
| 343 | Activation of white phosphorus in the coordination sphere of nickel complexes with □donor ligands. *Russian Chemical Bulletin*, **2005**, 54, 942-947 | 1.7 | 15 |
| 342 | SUPERBASE-INDUCED GENERATION OF PHOSPHIDE AND PHOSPHINITE IONS AS APPLIED IN ORGANIC SYNTHESIS. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1991**, 55, 271-274 | 1 | 15 |
| 341 | Facile Non-Catalyzed Synthesis of Tertiary Phosphine Sulfides by Regioselective Addition of Secondary Phosphine Sulfides to Alkenes. *European Journal of Organic Chemistry*, **2014**, 2014, 2516-2521 | 3.2 | 14 |
| 340 | Diselenophosphinates of lupinine or anabasine via a new three-component reaction of secondary phosphines, elemental selenium, and amines. *Tetrahedron Letters*, **2010**, 51, 1840-1843 | 2 | 14 |
| 339 | Chemo- and Regiospecific Monoaddition of Secondary Phosphine Sulfides to 1-Acyl-2-phenylacetylenes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2008**, 183, 1396-1401 | 1 | 13 |
| 338 | Free-radical addition of phosphine sulfides to aryl and hetaryl acetylenes: unprecedented stereoselectivity. *Mendeleev Communications*, **2007**, 17, 181-182 | 1.9 | 13 |
| 337 | Base Catalyzed Double Addition of Secondary Phosphine Chalcogenides to Benzoylacetylene. *Letters in Organic Chemistry*, **2007**, 4, 109-111 | 0.6 | 13 |
| 336 | Non-catalytic Addition of 1,2,4-Triazole to Nucleophilic and Electrophilic Alkenes. *Chemistry of Heterocyclic Compounds*, **2002**, 38, 981-985 | 1.4 | 13 |
| 335 | Divinyl Sulfoxide: Synthesis, Properties, and Applications. *Sulfur Reports*, **1989**, 9, 95-141 | | 13 |
| 334 | Organophosphorus chemistry based on elemental phosphorus: advances and horizons. *Russian Chemical Reviews*, **2020**, 89, 225-249 | 6.8 | 13 |
| 333 | Dinuclear gold(I) dithio- and diselenophosph(in)ate complexes forming mononuclear gold(III) oxidative addition complexes and reversible chemical reductive elimination products. *Dalton Transactions*, **2014**, 43, 663-70 | 4.3 | 12 |
| 332 | Highly efficient atom economical □green chemistry□ synthesis of vinyl sulfides from thiols and acetylene in water. *Russian Chemical Bulletin*, **2013**, 62, 438-440 | 1.7 | 12 |
| 331 | Alkali Metal Thioselenophosphinates, M[SeSPR2]: One-Pot Multicomponent Synthesis, DFT Study, and Synthetic Application. *European Journal of Inorganic Chemistry*, **2013**, 2013, 415-426 | 2.3 | 12 |
| 330 | Unexpected N,N□coordination of tris(2-pyridyl)-phosphine chalcogenides to PdCl2. *Mendeleev Communications*, **2015**, 25, 196-198 | 1.9 | 12 |

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| 329 | A three-component reaction between alkenes, secondary phosphanes, and elemental selenium: a novel, efficient, atom-economic synthesis of diselenophosphinic esters. *Tetrahedron Letters*, **2011**, 52, 6985-6987 | 2 | 12 |
| 328 | Reactions of Elemental Phosphorus and Phosphine with Electrophiles in Superbasic Systems: XIV.1 Phosphorylation of 2-Vinylnaphthalene with Elemental Phosphorus and Phosphines in the KOH-DMSO System. *Russian Journal of General Chemistry*, **2002**, 72, 371-375 | 0.7 | 12 |
| 327 | Hydrothiophosphorylation of Vinyl Sulfoxides: First Examples. *Synthesis*, **2005**, 2005, 3103-3106 | 2.9 | 12 |
| 326 | TRIS[(5-CHLORO-2-THIENYL)METHYL] PHOSPHINE OXIDE FROM ELEMENTAL PHOSPHORUS AND 2-CHLORO-5-(CHLOROMETHYL) THIOPHENE. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2001**, 175, 163-167 | 1 | 12 |
| 325 | Stereoselective reduction of 1-acyl-2-phenylacetylenes with triphenylphosphine in water: efficient synthesis of E-chalcones. *Arkivoc*, **2011**, 2011, 183-188 | 0.9 | 12 |
| 324 | Nanobiocomposite based on selenium and arabinogalactan: Synthesis, structure, and application. *Russian Journal of General Chemistry*, **2015**, 85, 485-487 | 0.7 | 11 |
| 323 | Catalyst- and Solvent-Free Stereoselective Addition of Secondary Phosphine Chalcogenides to Alkynes. *Synthesis*, **2015**, 47, 263-271 | 2.9 | 11 |
| 322 | Tuneable superbase-catalyzed vinylation of □hydroxyalkylferrocenes with alkynes. *Tetrahedron*, **2014**, 70, 5954-5960 | 2.4 | 11 |
| 321 | Unexpected redox reaction of alkali metal diselenophosphinates with elemental iodine. *Mendeleev Communications*, **2012**, 22, 18-20 | 1.9 | 11 |
| 320 | Catalyst-Free and Solvent-Free Addition of P(Se)□H Species to Alkenes: A Straightforward Access to Tertiary Phosphine Selenides. *Synthesis*, **2014**, 46, 2656-2662 | 2.9 | 11 |
| 319 | Reaction of Red Phosphorus with 4-Methoxystyrene in KOH-DMSO System: One-Pot Synthesis of Tris[2-(4-methoxyphenyl)ethyl]phosphane Oxide. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2010**, 186, 98-104 | 1 | 11 |
| 318 | Direct vinylation of glucose derivatives with acetylene. *Tetrahedron*, **2007**, 63, 11661-11665 | 2.4 | 11 |
| 317 | Triorganylphosphine oxides as high-performance fire retardants for polyvinyl chloride plastisols. *Russian Journal of Applied Chemistry*, **2008**, 81, 304-309 | 0.8 | 11 |
| 316 | Unexpected double □addition of secondary phosphine chalcogenides to 3-phenyl-2-propynenitrile. *Mendeleev Communications*, **2005**, 15, 183-184 | 1.9 | 11 |
| 315 | Addition of secondary phosphines to phenylcyanoacetylene as a route to functional phosphines. *Mendeleev Communications*, **1999**, 9, 163-164 | 1.9 | 11 |
| 314 | Efficient One-Pot Procedures for the Preparation of Secondary Phosphines. *Synthetic Communications*, **1994**, 24, 3219-3223 | 1.7 | 11 |
| 313 | Synthesis of novel alkaloid derivatives from vinyl ether of lupinine and PH-addends. *Arkivoc*, **2009**, 2009, 260-267 | 0.9 | 11 |
| 312 | Acetylene-Triggered Reductive Incorporation of Phosphine Chalcogenides into a Quinoline Scaffold: Toward SAr Reaction. *Journal of Organic Chemistry*, **2019**, 84, 6244-6257 | 4.2 | 10 |

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| 311 | One-pot regio- and stereoselective synthesis of tertiary phosphine chalcogenides with (E)-N-ethenyl-1,2-dihydroquinoline functionalities. *Tetrahedron Letters*, **2016**, 57, 3776-3780 | 2 | 10 |
| 310 | DFT study and dynamic NMR evidence for cis-trans conformational isomerism in square planar Ni(II) thioselenophosphinate, Ni(SeSPPh2)2. *Journal of Organometallic Chemistry*, **2014**, 768, 151-156 | 2.3 | 10 |
| 309 | One-pot synthesis of ultra-branched mixed tetradentate tripodal phosphines and phosphine chalcogenides. *Tetrahedron*, **2012**, 68, 9218-9225 | 2.4 | 10 |
| 308 | Rapid and Convenient One-Pot Method for the Preparation of Alkali Metal Phosphinodiselenoates. *Synthesis*, **2010**, 2010, 2463-2467 | 2.9 | 10 |
| 307 | Facile Synthesis of Hyper-Branched Tetraphosphanes and Tetraphosphane Chalcogenides. *European Journal of Organic Chemistry*, **2009**, 2009, 3427-3431 | 3.2 | 10 |
| 306 | Nanocomposites of red phosphorus as novel phosphorylating reagents. *Doklady Chemistry*, **2009**, 427, 153-155 | 0.8 | 10 |
| 305 | A simple one-pot synthesis of phosphinoselenoic amides and diamides from secondary phosphine selenides and amines using Et3N-CCl4. *Tetrahedron Letters*, **2011**, 52, 2367-2369 | 2 | 10 |
| 304 | Metal-Free Hydrophosphanation of 1-Vinylimidazoles with Secondary Phosphanes: A Straightforward Atom-Economic Route to Tertiary Phosphanes with Imidazolyl Substituents. *Synlett*, **2011**, 2011, 94-98 | 2.2 | 10 |
| 303 | Reaction of secondary phosphine oxides with acylacetylenes. *Russian Journal of Organic Chemistry*, **2010**, 46, 485-490 | 0.7 | 10 |
| 302 | Selective synthesis of hydrazinium diselenophosphinates from secondary phosphines, elementary selenium, and hydrazine. *Russian Chemical Bulletin*, **2010**, 59, 1671-1673 | 1.7 | 10 |
| 301 | Chemoselective Synthesis of New Functionalized Tri(pyridinium) Triflates and Tosylates bearing Chalcogenophosphoryl Moieties. *Synthesis*, **2008**, 2008, 3525-3529 | 2.9 | 10 |
| 300 | Sulfur-rich copolymers of sulfur with 5-vinylbicyclo[2.2.1]hept-2-ene and tricyclo[5.2.1.0 2.6]deca-3,8-diene as prospective cathode materials for lithium cells. *Sulfur Letters*, **2002**, 25, 219-227 | | 10 |
| 299 | Regio- and stereospecific addition of phosphines to cyanoacetylenes. *Tetrahedron*, **2003**, 59, 4789-4794 | 2.4 | 10 |
| 298 | Catalyst-Free Phosphorylation of Acridine with Secondary Phosphine Chalcogenides: Nucleophilic Addition vs SAr Reaction. *Organic Letters*, **2018**, 20, 7388-7391 | 6.2 | 10 |
| 297 | PCl 3 - and organometallic-free synthesis of tris(2-picolyl)phosphine oxide from elemental phosphorus and 2-(chloromethyl)pyridine hydrochloride. *Tetrahedron Letters*, **2018**, 59, 723-726 | 2 | 9 |
| 296 | Reaction of elemental phosphorus with α-methylstyrenes: one-pot synthesis of secondary and tertiary phosphines, prospective bulky ligands for Pd(II) catalysts. *Tetrahedron*, **2016**, 72, 443-450 | 2.4 | 9 |
| 295 | Oxidative metal-free cross-coupling of secondary phosphine chalcogenides and benzenediols: Synthesis of phosphinochalcogenoic O-diesters. *Heteroatom Chemistry*, **2012**, 23, 322-328 | 1.2 | 9 |
| 294 | Free-radical addition of phosphine to vinyl ethers: atom-economic synthesis of tris(2-organyloxyethyl)phosphines and their derivatives. *Mendeleev Communications*, **2011**, 21, 17-18 | 1.9 | 9 |

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| 293 | One-Pot Vinylation of Secondary Phosphine Chalcogenides with Vinyl Sulfoxides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2010**, 185, 1838-1844 | 1 | 9 |
| 292 | A CONVENIENT SYNTHESIS OF TERTIARY PHOSPHINES FROM RED PHOSPHORUS AND ARYL- OR HETEROARYLETHENES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1997**, 126, 125-128 | 1 | 9 |
| 291 | Addition of secondary phosphines to a vinyl ether of diacetone-d-glucose: a new approach to optically active phosphines and their derivatives. *Tetrahedron Letters*, **2004**, 45, 9143-9145 | 2 | 9 |
| 290 | Reaction of Secondary Phosphine Oxides with Aromatic Aldehydes. *Russian Journal of General Chemistry*, **2003**, 73, 1354-1357 | 0.7 | 9 |
| 289 | Atom-Economic Synthesis of Tris[2-(organylthio)ethyl]phosphine Oxides from Phosphine and Vinyl Sulfides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2005**, 180, 1749-1754 | 1 | 9 |
| 288 | Base-Catalyzed Addition of Phosphine to Aryl- and Hetarylethynes. An Efficient Method for the Preparation of 2-Substituted Trivinylphosphines. *Synthesis*, **1995**, 1995, 387-388 | 2.9 | 9 |
| 287 | Synthesis and comparative structural study of tris-chelated Sb(III), Bi(III) and Cr(III) diselenophosphinato complexes. *Polyhedron*, **2014**, 68, 53-59 | 2.7 | 8 |
| 286 | Nucleophilic addition of phosphine to 4-chlorostyrenes in the KOH-DMSO system. *Russian Chemical Bulletin*, **2013**, 62, 2495-2497 | 1.7 | 8 |
| 285 | Structural effect in the reductive vinylation/phosphorylation of pyridines with alkyl propiolates and secondary phosphine chalcogenides: protonation vs . zwitterion generation. *Mendeleev Communications*, **2017**, 27, 553-555 | 1.9 | 8 |
| 284 | Complexation of tris(2-pyridyl)phosphine chalcogenides with copper(I) halides: The selective formation of scorpionate complexes, [Cu(N,N?,N?-2-Py3PX)Hal] (X=O, S and Se). *Polyhedron*, **2015**, 90, 1-6 | 2.7 | 8 |
| 283 | Synthesis and Structural Characterization of the First Europium(III) Pyridylphosphine Complex, [Eu(N,N,N-2-Py3P)(NO3)3]. *Mendeleev Communications*, **2012**, 22, 294-296 | 1.9 | 8 |
| 282 | Oxidative cross-coupling between secondary phosphine selenides and thiols or dithiols: a facile regio-selective synthesis of thioselenophosphinic S-esters and S-diesters. *Tetrahedron Letters*, **2013**, 54, 3543-3545 | 2 | 8 |
| 281 | Reaction of Red Phosphorus with Allylbenzene in Superbasic System KOH-DMSO. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1688-1693 | 1 | 8 |
| 280 | Reaction of divinyl telluride with secondary phosphine chalcogenides. *Russian Journal of General Chemistry*, **2011**, 81, 2506-2509 | 0.7 | 8 |
| 279 | Microwave activation of the reaction of red phosphorus with alkanethiolate anions. *Russian Journal of General Chemistry*, **2009**, 79, 2453-2455 | 0.7 | 8 |
| 278 | Nucleophilic addition to acetylenes in superbasic catalytic systems: XVI. Vinylation of alcohols of the furan series under atmospheric pressure. *Russian Journal of Organic Chemistry*, **2009**, 45, 131-134 | 0.7 | 8 |
| 277 | Radical addition of secondary phosphine sulfides and selenides to vinyl tellurides. *Mendeleev Communications*, **2010**, 20, 346-347 | 1.9 | 8 |
| 276 | A new method for the synthesis of acetylenic phosphines. *Russian Chemical Bulletin*, **1997**, 46, 849-850 | 1.7 | 8 |

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| 275 | Atom-economic synthesis of tertiary 2-alkoxyethylphosphine sulfides. *Mendeleev Communications*, **2004**, 14, 216-217 | 1.9 | 8 |
| 274 | Organylthiochloroacetylenes: VI. Reaction of Alkylthiochloroacetylenes with Sodium Azide. *Russian Journal of General Chemistry*, **2003**, 73, 782-785 | 0.7 | 8 |
| 273 | Phosphorylation of Allyl Halides with White Phosphorus. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2003**, 178, 425-429 | 1 | 8 |
| 272 | Reactions of Elemental Phosphorus and Phosphines with Electrophiles in Superbasic Systems: XIII. Phosphorylation of Phenylacetylene with Active Modifications of Elemental Phosphorus. *Russian Journal of General Chemistry*, **2001**, 71, 721-723 | 0.7 | 8 |
| 271 | Towards C1 chemistry: methanol vinylation by CaC2 in water in the presence of potassium or sodium carbonates. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 1945-1950 | 3.5 | 8 |
| 270 | Nucleophilic addition to acetylenes in superbasic catalytic systems: XVIII. Vinylation of phenols and naphthols with acetylene. *Russian Journal of Organic Chemistry*, **2015**, 51, 188-194 | 0.7 | 7 |
| 269 | Reaction of Vinyl Selenides with Secondary Phosphines and Elemental Selenium: One-Pot Selective Synthesis of a New Family of DiselenophosphinicSe-Esters. *Heteroatom Chemistry*, **2014**, 25, 135-139 | 1.2 | 7 |
| 268 | Reactions of 2- and 4-pyrones with secondary phosphine chalcogenides: a facile synthesis of functional phosphorylated pyrones. *Tetrahedron Letters*, **2013**, 54, 6772-6775 | 2 | 7 |
| 267 | A new access to tri(1-naphthyl)phosphine and its catalytically active palladacycles and luminescent Cu(I) complex. *Inorganic Chemistry Communication*, **2017**, 86, 94-97 | 3.1 | 7 |
| 266 | Aerobic addition of secondary phosphine oxides to vinyl sulfides: a shortcut to 1-hydroxy-2-(organosulfanyl)ethyl(diorganyl)phosphine oxides. *Beilstein Journal of Organic Chemistry*, **2015**, 11, 1985-90 | 2.5 | 7 |
| 265 | Synthesis of Functional Tripodal Phosphines with Amino and Ether Groups by the Hydrophosphination of Trivinyl Ethers with Secondary Phosphines. *Synthesis*, **2014**, 46, 653-659 | 2.9 | 7 |
| 264 | Superbase-Assisted Addition of Phosphine to 1-Methoxy-4-vinylbenzene: Toward a Rare Family of Organic Phosphines. *Synthetic Communications*, **2012**, 42, 1685-1694 | 1.7 | 7 |
| 263 | A Simple Atom-Economic Synthesis of Functional Tertiary Phosphine Chalcogenides Bearing Furan or Tetrahydrofuran Rings. *Synthesis*, **2009**, 2009, 3427-3432 | 2.9 | 7 |
| 262 | Novel method for the synthesis of diselenophosphinates. *Doklady Chemistry*, **2009**, 428, 225-227 | 0.8 | 7 |
| 261 | Reaction of divinyl selenide with secondary phosphine chalcogenides. *Russian Journal of General Chemistry*, **2010**, 80, 1602-1608 | 0.7 | 7 |
| 260 | Three-component reaction of secondary phosphines with elemental selenium and amines. *Russian Journal of Organic Chemistry*, **2010**, 46, 592-593 | 0.7 | 7 |
| 259 | Nucleophilic addition of secondary phosphine chalcogenides to, ‡acetylenic ‡hydroxy acid nitriles and a rearrangement of the adducts. *Mendeleev Communications*, **2007**, 17, 325-326 | 1.9 | 7 |
| 258 | Reactions of elemental phoshorus and phosphine with electrophiles in superbasic systems: XIX. Formation of the C-P bond with participation of elemental phosphorus under microwave assistance. *Russian Journal of General Chemistry*, **2007**, 77, 415-420 | 0.7 | 7 |

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| 257 | Reactions of Elemental Phosphorus and Phosphine with Electrophiles in Superbasic Systems: XVI. Phosphorylation of Benzyl Chloride with Elemental Phosphorus and Phosphine. *Russian Journal of General Chemistry*, **2005**, 75, 684-688 | 0.7 | 7 |
| 256 | Reactions of Elemental Phosphorus with Electrophiles in Super Basic Systems: XVII. Phosphorylation of Arylalkenes with Active Modifications of Elemental Phosphorus. *Russian Journal of General Chemistry*, **2005**, 75, 1367-1372 | 0.7 | 7 |
| 255 | Efficient One-Pot Synthesis of Mono- and Bis[di(2-pyridyl)phosphine Oxides] from Tris(2-pyridyl)phosphine. *Synlett*, **2016**, 27, 2451-2454 | 2.2 | 7 |
| 254 | Straightforward Solvent-Free Synthesis of Tertiary Phosphine Chalcogenides from Secondary Phosphines, Electron-Rich Alkenes, and Elemental Sulfur or Selenium. *Heteroatom Chemistry*, **2016**, 27, 48-53 | 1.2 | 7 |
| 253 | 2-Halopyridines in the triple reaction in the Pn/KOH/DMSO system to form tri(2-pyridyl)phosphine: Experimental and quantum-chemical dissimilarities. *Mendeleev Communications*, **2018**, 28, 472-474 | 1.9 | 7 |
| 252 | Single-stage synthesis of alkyl-H-phosphinic acids from elemental phosphorus and alkyl bromides. *Mendeleev Communications*, **2019**, 29, 328-330 | 1.9 | 6 |
| 251 | Expedient Route to Chalcogenophosphinates with Glucose Moieties via Todd-Atherton-Like Coupling between Secondary Phosphine Chalcogenides and Diacetone-d-Glucose in the CCl4/Et3N System. *Heteroatom Chemistry*, **2015**, 26, 329-334 | 1.2 | 6 |
| 250 | Catalyst-free selenylation of acylacetylenes with secondary phosphine selenides and water: A short-cut to bis(2-acylvinyl) selenides. *Journal of Organometallic Chemistry*, **2018**, 867, 79-85 | 2.3 | 6 |
| 249 | A new convenient synthetic route to metal diselenophosphinates: Synthesis and characterization of [M2(Se2PPh2)4] (M□=□Zn, Cd and Hg) complexes. *Journal of Organometallic Chemistry*, **2014**, 758, 60-64 | 2.3 | 6 |
| 248 | One-pot microwave synthesis of tertiary phosphine sulfides directly from aromatic alkenes, elemental phosphorus and sulfur in KOH□DMSO system. *Journal of Sulfur Chemistry*, **2014**, 35, 137-144 | 2.3 | 6 |
| 247 | Reaction of hydroxyflavones with secondary phosphine chalcogenides in the CCl4/Et3N system: synthesis of a new family of phosphorylated flavonoids. *Tetrahedron Letters*, **2014**, 55, 4927-4929 | 2 | 6 |
| 246 | Reaction of Tri(2-pyridyl)phosphine with Electron-Deficient Alkynes in Water: Stereoselective Synthesis of Functionalized Pyridylvinylphosphine Oxides. *European Journal of Organic Chemistry*, **2014**, 2014, 639-643 | 3.2 | 6 |
| 245 | Synthesis of tris(2-pyridyl)phosphine from red phosphorus and 2-bromopyridine in the CsF-NaOH-DMSO superbasic system. *Doklady Chemistry*, **2012**, 445, 164-165 | 0.8 | 6 |
| 244 | Efficient Synthesis of Lupininium, Anabasinium and Quininium Thioselenophosphinates via a Multi-component Reaction between Secondary Phosphines, Sulfur, Selenium and Alkaloids. *Organic Preparations and Procedures International*, **2012**, 44, 262-270 | 1.1 | 6 |
| 243 | Three-component reaction between secondary phosphine sulfides, elemental selenium and vinyl ethers: the first examples of Markovnikov addition of thioselenophosphinic acids to double bond. *Tetrahedron*, **2013**, 69, 6185-6195 | 2.4 | 6 |
| 242 | Directed synthesis of tertiary phosphine chalcogenides with pyridine and hydroxy functions. *Russian Journal of General Chemistry*, **2011**, 81, 315-321 | 0.7 | 6 |
| 241 | Reaction of primary phosphines with elemental sulfur and alkali metal hydroxides (MOH, M = Na, K, Cs): a novel and facile three-component synthesis of trithiophosphonates. *Tetrahedron Letters*, **2011**, 52, 398-400 | 2 | 6 |
| 240 | Atom-Economic, Metal- and Halogen-Free Synthesis of Podands: □Diphosphines and Their Chalcogenides Separated by Alkane Diol Spacers. *Synthesis*, **2012**, 44, 2938-2946 | 2.9 | 6 |

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|---|---|---|---|
| 239 | Three-Component Reaction between Vinyl Ethers, Secondary Phosphines, and Elemental Selenium: One-Pot Synthesis of 1-(Alkoxy)ethyl and 1-(Aryloxy)ethyl Phosphinodiselenoates. *Synthesis*, **2012**, 44, 431-438 | 2.9 | 6 |
| 238 | Reaction of imidazole series aldeydes with bis[2-(2-pyridyl)ethyl]-phosphine chalcogenides: Synthesis of polyfunctional heterocyclic systems. *Chemistry of Heterocyclic Compounds*, **2008**, 44, 1359-1364 | 1.4 | 6 |
| 237 | Catalytic oxidation of organic substrates with hydrogen peroxide in two-phase systems in the presence of peroxo-polyoxotungstates containing organic ligands. *Reaction Kinetics and Catalysis Letters*, **2008**, 94, 319-326 | | 6 |
| 236 | Complex of tris(Z-styryl)phosphine with PdCl2 as a new catalyst for the Sonogashira reaction. *Mendeleev Communications*, **2008**, 18, 318-319 | 1.9 | 6 |
| 235 | Effect of microwave irradiation on the reaction of elemental sulfur with Phenylacetylene. *Doklady Chemistry*, **2004**, 399, 240-241 | 0.8 | 6 |
| 234 | Controlled defect formation in elemental phosphorus as method for its chemical activation. *Russian Chemical Bulletin*, **2003**, 52, 1239-1252 | 1.7 | 6 |
| 233 | Reaction of Phenylacetylene with Primary Phosphines as a Convenient Way to Nonsymmetric Tertiary Phosophines and Their Derivatives. *Russian Journal of General Chemistry*, **2001**, 71, 1907-1911 | 0.7 | 6 |
| 232 | Reaction of Vinylpyridines with Active Modifications of Elemental Phosphorus in KOH/DMSO. *Chemistry of Heterocyclic Compounds*, **2001**, 37, 576-580 | 1.4 | 6 |
| 231 | A Convenient Synthesis of Primary 2-Hydroxyorganophosphines from Red Phosphorus and Oxiranes. *Synthesis*, **2000**, 2000, 65-66 | 2.9 | 6 |
| 230 | t-Butyl Alcohol-Assisted Fission of the P-P Bonds in Red Phosphorus with Lithium in Liquid Ammonia. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996**, 111, 175-175 | 1 | 6 |
| 229 | Dual reactivity of secondary phosphines and their chalcogenides towards 1-(vinyloxy)alkylferrocenes: the switch between □and □addition. *Tetrahedron*, **2015**, 71, 1998-2003 | 2.4 | 5 |
| 228 | Superbase-Assisted Selective Synthesis of Triarylphosphines from Aryl Halides and Red Phosphorus: Three Consecutive Different SNAr Reactions in One Pot. *European Journal of Organic Chemistry*, **2019**, 2019, 6240-6245 | 3.2 | 5 |
| 227 | Mass spectrometry and quantum chemical studies of the reaction of divinyl telluride with secondary phosphine sulfides: Synthesis of adducts. *Journal of Organometallic Chemistry*, **2013**, 745-746, 126-132 | 2.3 | 5 |
| 226 | A shortcut to tris[2-(4-hydroxyphenyl)ethyl]phosphine oxide and 2-(4-hydroxyphenyl)ethylphosphinic acid via reaction of elemental phosphorus with 4-tert-butoxystyrene. *Mendeleev Communications*, **2014**, 24, 29-31 | 1.9 | 5 |
| 225 | First example of the ( C_{sp^2 } )-P bond formation in the reaction of red phosphorus with hetaryl halides. *Russian Journal of General Chemistry*, **2012**, 82, 1307-1308 | 0.7 | 5 |
| 224 | Synthesis of [2-(methoxyaryl)-1-methylethyl]phosphinic acids from red phosphorus and (allyl)(methoxy)benzenes. *Russian Chemical Bulletin*, **2012**, 61, 1787-1791 | 1.7 | 5 |
| 223 | The reaction of 2-bromopyridine with a PH3/H2 system in the KOH/DMSO suspension: A short route to tris(2-pyridyl)phosphine. *Heteroatom Chemistry*, **2012**, 23, 411-414 | 1.2 | 5 |
| 222 | Novel quinine, lupinine, and anabasine derivatives containing dithiophosphinate groups. *Chemistry of Heterocyclic Compounds*, **2012**, 48, 448-452 | 1.4 | 5 |

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| 221 | Reaction of red phosphorus (P n ) with alkanethiolate anions. *Doklady Chemistry*, **2009**, 427, 164-167 | 0.8 | 5 |
| 220 | Reaction of secondary phosphine chalcogenides with 2,2,2-trichloroacetaldehyde. *Russian Journal of General Chemistry*, **2009**, 79, 2102-2107 | 0.7 | 5 |
| 219 | Chemoselective Reactions of Secondary Phosphine Chalcogenides with Vinyloxyalkylamines: Synthesis of a Novel Family of Functional Phosphinothalcogenic Amides. *Synthesis*, **2012**, 44, 2786-2792 | 2.9 | 5 |
| 218 | Atom-economic synthesis of ammonium diselenophosphinates from secondary phosphine selenides, elemental selenium, and ammonia. *Russian Journal of General Chemistry*, **2010**, 80, 1383-1384 | 0.7 | 5 |
| 217 | Nucleophilic addition to acetylenes in superbasic catalytic systems: XVII. Vinyl ethers with furyl and cycloacetal fragments: Synthesis and structure. *Russian Journal of Organic Chemistry*, **2010**, 46, 1383-1387 | 0.7 | 5 |
| 216 | Chemoselective noncatalytic addition of secondary phosphine chalcogenides to citral. *Russian Journal of General Chemistry*, **2007**, 77, 409-414 | 0.7 | 5 |
| 215 | Free-radical addition of secondary phosphine sulfides to vinyl sulfides. *Russian Journal of General Chemistry*, **2006**, 76, 1514-1515 | 0.7 | 5 |
| 214 | Tertiary Phosphine Oxides in Reaction with Benzaldehyde. *Russian Journal of General Chemistry*, **2003**, 73, 877-879 | 0.7 | 5 |
| 213 | First Example of Microwave Activation of Elementary Phosphorus in the Reaction with 2-Vinylpyridine. *Russian Journal of General Chemistry*, **2005**, 75, 1844-1845 | 0.7 | 5 |
| 212 | Reaction of alkylthiochloroacetylenes with sodium azide. *Russian Chemical Bulletin*, **2001**, 50, 751-752 | 1.7 | 5 |
| 211 | Organylthiochloroacetylenes: IV. Reaction with Thiourea. *Russian Journal of General Chemistry*, **2001**, 71, 1721-1725 | 0.7 | 5 |
| 210 | Organylthiochloroacetylenes: III. Nucleophilic Addition of Di(2-phenylethyl)phosphine Oxide to Alkylthiochloroacetylenes: Configuration and Conformation of Adducts. *Russian Journal of General Chemistry*, **2001**, 71, 1717-1720 | 0.7 | 5 |
| 209 | Cu-Catalyzed Oxidative Phosphorylation of Alkanols with White Phosphorus and H 2 O 2. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2002**, 177, 2385-2390 | 1 | 5 |
| 208 | Generation of Phosphide Anions from Phosphorus Red and Phosphine in Strongly Basic Systems to Form Organylphosphines and -Oxides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996** , 109, 601-604 | 1 | 5 |
| 207 | Reaction of Red Phosphorus and Phosphine with Aryl(Hetaryl)Ethenes and -Ethynes. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996**, 111, 174-174 | 1 | 5 |
| 206 | Oxidative coupling of hydroxy- or aminoazobenzenes with secondary phosphine chalcogenides: Towards new media-responsive molecular switches. *Tetrahedron Letters*, **2017**, 58, 1992-1995 | 2 | 4 |
| 205 | Furfuryl vinyl ethers in [4+2]-cycloaddition reactions. *Russian Journal of Organic Chemistry*, **2017**, 53, 203-209 | 0.7 | 4 |
| 204 | Reaction of 1-bromonaphthalene with PH3 in the t-BuOK/DMSO system: PCl3-free synthesis of di(1-naphthyl)phosphine and its oxide. *Tetrahedron*, **2017**, 73, 4723-4729 | 2.4 | 4 |

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|---|---|---|---|
| 203 | Synthesis of new N-phosphorylated vinylhydropyridines. *Russian Journal of General Chemistry*, **2015**, 85, 1978-1981 | 0.7 | 4 |
| 202 | Catalyst-Free Double CH-Functionalization of Quinolines with Phosphine Oxides via Two SAr Reaction Sequences. *Journal of Organic Chemistry*, **2020**, 85, 4927-4936 | 4.2 | 4 |
| 201 | First heteroleptic diselenophosphinate and thioselenophosphinate nickel(II) complexes with N-donor co-ligands. *Polyhedron*, **2016**, 111, 79-85 | 2.7 | 4 |
| 200 | Microwave synthesis of secondary phosphines and phosphine oxides from red phosphorus and allyl(methoxy)benzenes in KOH-DMSO. *Russian Journal of Organic Chemistry*, **2014**, 50, 1438-1442 | 0.7 | 4 |
| 199 | Synthesis and properties of a new family of phosphorus- and nitrogen-containing ionenes. *Doklady Chemistry*, **2015**, 465, 286-290 | 0.8 | 4 |
| 198 | Electrophilic addition of thioselenophosphinic acids to vinyl sulfides and selenides. *Journal of Sulfur Chemistry*, **2015**, 36, 216-226 | 2.3 | 4 |
| 197 | Unexpected formation of methylsulfanylmethyl phenyl ether at vinylation of phenol with acetylene in the K2CO3-DMSO system. *Russian Journal of Organic Chemistry*, **2014**, 50, 1199-1200 | 0.7 | 4 |
| 196 | Synthesis of chalcophosphinic acid amides with pyridine rings*. *Chemistry of Heterocyclic Compounds*, **2012**, 47, 1384-1389 | 1.4 | 4 |
| 195 | Novel atom-economic synthesis of thioselenophosphinates via three-component reaction between secondary phosphine sulfides, elemental selenium, and amines. *Journal of Sulfur Chemistry*, **2011**, 32, 599-610 | 2.3 | 4 |
| 194 | Synthesis of tris(organylthioethyl)phosphines and their derivatives on the basis of the reaction of phosphine with vinyl sulfides. *Russian Journal of General Chemistry*, **2011**, 81, 470-473 | 0.7 | 4 |
| 193 | New synthesis of diselenophosphinates of heavy metals. *Russian Journal of General Chemistry*, **2011** , 81, 1449-1452 | 0.7 | 4 |
| 192 | Facile Atom-Economic Synthesis of Ammonium Diselenophosphinates via Three-Component Reaction of Secondary Phosphines, Elemental Selenium, and Ammonia. *Synthesis*, **2010**, 2010, 1777-1780 | 2.9 | 4 |
| 191 | Chlorination of secondary phosphine selenides with the system CCl4/NEt3. *Russian Journal of General Chemistry*, **2010**, 80, 1043-1044 | 0.7 | 4 |
| 190 | Reaction of secondary phosphine selenides with elemental selenium: Synthesis of bis(diorganoselenophosphoryl)selenides. *Russian Journal of General Chemistry*, **2010**, 80, 2063-2064 | 0.7 | 4 |
| 189 | Reaction of phosphine with allylbenzene in the KOH–DMSO system: regioselective synthesis of (1-phenylprop-2-yl)phosphine and bis(1-phenylprop-2-yl)phosphine. *Mendeleev Communications*, **2010**, 20, 275-276 | 1.9 | 4 |
| 188 | Radical Addition of Secondary Phosphine Sulfides and Selenides to Vinyl Selenides. *Synthesis*, **2008**, 2008, 2743-2746 | 2.9 | 4 |
| 187 | Synthesis of metal complexes with 2-[bis(2-phenylethyl)-thiophophorylhydroxymethyl]-1-organilimidazoles. Crystal structure of ZnCl2 □ 2L. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2008**, 34, 480-492 | 1.6 | 4 |
| 186 | First example of alkylation of secondary phosphine selenides. *Russian Journal of General Chemistry*, **2008**, 78, 1628-1630 | 0.7 | 4 |

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|---|---|---|---|
| 185 | Nucleophilic addition to acetylenes in superbasic catalytic systems: XV. Vinylation of 2-hydroxymethylfuran. *Russian Journal of Organic Chemistry*, **2008**, 44, 120-123 | 0.7 | 4 |
| 184 | Chemoselective reaction of red phosphorus with 4-vinylbenzyl chloride: A convenient route to tris(4-vinylbenzyl)phosphine oxide. *Russian Journal of General Chemistry*, **2006**, 76, 325-326 | 0.7 | 4 |
| 183 | Reactions of elemental phosphorus and phosphine with electrophiles in superbasic systems: XVIII. Phosphorylation of 1-(chloromethyl)naphthalene with the elemental phosphorus. *Russian Journal of General Chemistry*, **2006**, 76, 708-713 | 0.7 | 4 |
| 182 | Superbase-catalysed addition of methanol to propyne and allene: an expedient synthesis of 2-methoxypropene. *Mendeleev Communications*, **2006**, 16, 13-14 | 1.9 | 4 |
| 181 | Microwave induced synthesis of diphenylthiophenes from elemental sulfur and styrene. *Chemistry of Heterocyclic Compounds*, **2006**, 42, 1486-1487 | 1.4 | 4 |
| 180 | Synthesis and Properties of 2-(Diorganylphosphorylhydroxymethyl)-1-organylimidazoles. *Chemistry of Heterocyclic Compounds*, **2002**, 38, 65-70 | 1.4 | 4 |
| 179 | Functional Acetal Methacrylates: III. Electrophilic Addition of Diols to 2-(Vinyloxy)ethyl Methacrylate. *Russian Journal of Organic Chemistry*, **2002**, 38, 1082-1087 | 0.7 | 4 |
| 178 | 4-Phenyl-2-[(Z)-phenylmethylidene]-1,3-dithiole from Elemental Sulfur and Phenylacetylene. *Chemistry of Heterocyclic Compounds*, **2003**, 39, 128-129 | 1.4 | 4 |
| 177 | Electrophilic and Nucleophilic Addition of Alkanethiols to 2-Vinyloxyethylmethacrylate. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2003**, 178, 2087-2093 | 1 | 4 |
| 176 | Atom-Economic, Solvent-Free, High Yield Synthesis of 2-(Pyrrol-1-yl)propyldiorganylphosphines. *Synthesis*, **2005**, 2005, 965-970 | 2.9 | 4 |
| 175 | Synthesis of tristyrylphosphine from red phosphorus and phenylacetylene in a superbase system. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1988**, 37, 1284-1284 | | 4 |
| 174 | NMR-13C spectra and effects of conjugation in alkoxy- and alkylthioethylenes. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1975**, 24, 501-505 | | 4 |
| 173 | Synthesis of tris[2-(2-furyl)ethyl]phosphine its chalcogenides and Pdii complex. *Mendeleev Communications*, **2016**, 26, 314-316 | 1.9 | 4 |
| 172 | First Examples of the Atherton-Todd-Like Reaction in the Absence of Bases. *Heteroatom Chemistry*, **2016**, 27, 44-47 | 1.2 | 4 |
| 171 | Catalyst-free addition of secondary phosphine chalcogenides to pyrazolecarbaldehydes. *Mendeleev Communications*, **2019**, 29, 683-685 | 1.9 | 4 |
| 170 | Three-Component Reaction of 4-Methylpyridine with Alkyl Propiolates and Secondary Phosphine Chalcogenides. *Russian Journal of General Chemistry*, **2018**, 88, 912-918 | 0.7 | 4 |
| 169 | Metal-free SHN cross-coupling of pyridines with phosphine chalcogenides: polarization/deprotonation/oxidation effects of electron-deficient acetylenes. *New Journal of Chemistry*, **2021**, 45, 6206-6219 | 3.6 | 4 |
| 168 | Polarity and structure of derivatives of bis(2-phenylethyl)selenophosphinic acid. *Pure and Applied Chemistry*, **2017**, 89, 393-401 | 2.1 | 3 |

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|---|---|---|---|
| 167 | Unexpected Reaction of Secondary Phosphine Chalcogenides with Acridine. *Russian Journal of General Chemistry*, **2019**, 89, 543-545 | 0.7 | 3 |
| 166 | P-C Bond Cleavage by Hydroxyl Function during the Addition of Tris(2-pyridyl)phosphine to Cyanopropargylic Alcohols in Water. *Heteroatom Chemistry*, **2015**, 26, 231-235 | 1.2 | 3 |
| 165 | Chlorination of secondary phosphine chalcogenides with carbon tetrachloride in the absence of bases. *Russian Journal of General Chemistry*, **2015**, 85, 380-382 | 0.7 | 3 |
| 164 | Regioselective Addition of Dithiophosphinic Acids to Vinyl Sulfides and Selenides: An Efficient Route Toward Functional Dithiophosphinates. *Heteroatom Chemistry*, **2015**, 26, 72-78 | 1.2 | 3 |
| 163 | Pd-catalyzed rearrangement of ferrocenylalkyl vinyl ethers to the related aldehydes and ketones. *Tetrahedron Letters*, **2020**, 61, 152110 | 2 | 3 |
| 162 | Synthesis and Isomer Composition of 2-Polyfluoroalkoxy-1,3,2-dioxaphospholanes and -phosphinanes. *Russian Journal of General Chemistry*, **2018**, 88, 705-712 | 0.7 | 3 |
| 161 | Dipole moments and conformational analysis of tris(2-pyridyl)phosphine and tris(2-pyridyl)phosphine chalcogenides. Experimental and theoretical study. *Journal of Molecular Structure*, **2014**, 1076, 285-290 | 3.4 | 3 |
| 160 | One-pot atom-economic synthesis of Se-[alkyl(aryl)sulfanylethyl]diselenophosphinates from vinyl sulfides, secondary phosphines and elemental selenium. *Journal of Sulfur Chemistry*, **2013**, 34, 474-479 | 2.3 | 3 |
| 159 | Radical addition of secondary phosphine chalcogenides to allylamine: Atom-economic synthesis of aminopropylphosphine chalcogenides. *Russian Journal of General Chemistry*, **2013**, 83, 1895-1899 | 0.7 | 3 |
| 158 | Synthesis of 1-methyl-2-phenyl- and bis(1-methyl-2-phenylethyl)phosphinic acids from red phosphorus and allylbenzene. *Russian Journal of General Chemistry*, **2011**, 81, 142-144 | 0.7 | 3 |
| 157 | Efficient General Synthesis of Alkylammonium Diselenophosphinates via Multicomponent One-Pot Reaction of Secondary Phosphines with Elemental Selenium and Amines. *Synthesis*, **2010**, 2010, 3724-3730 | 2.9 | 3 |
| 156 | Oxidative Transition-Metal-Free Cross-Coupling of Secondary Phosphine Chalcogenides and Alcohols or Phenols: A Facile, Expedient Synthesis of Phosphinochalcogenoic O-Esters. *Synthesis*, **2011**, 2011, 3723-3729 | 2.9 | 3 |
| 155 | An Efficient and General Synthesis of Se-Esters of Diselenophosphinic Acids via Reaction of Alkali Metal Diselenophosphinates with Organic Halides. *Synthesis*, **2011**, 2011, 1309-1313 | 2.9 | 3 |
| 154 | Synthesis of vinylphosphine oxides: vinyl selenides as vinylating agents. *Mendeleev Communications* , **2010**, 20, 20-21 | 1.9 | 3 |
| 153 | A new method for the synthesis of diorganylvinylphosphine oxides. *Russian Chemical Bulletin*, **1997**, 46, 1799-1801 | 1.7 | 3 |
| 152 | Redox reaction of red phosphorus with hydrosulfide anions in DMSO. *Russian Journal of General Chemistry*, **2008**, 78, 1816-1818 | 0.7 | 3 |
| 151 | Chemoselective addition of secondary phosphine oxides to alkyl phenylethynyl ketones. *Russian Journal of Organic Chemistry*, **2008**, 44, 1245-1246 | 0.7 | 3 |
| 150 | Radical Addition of Secondary Phosphine Selenides to Alkenes. *Synthesis*, **2007**, 2007, 2849-2852 | 2.9 | 3 |

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|---|---|---|---|
| 149 | Nucleophilic addition of secondary phosphine sulfides to divinyl sulfoxide and divinyl sulfone. *Russian Journal of General Chemistry*, **2006**, 76, 1201-1204 | 0.7 | 3 |
| 148 | Thiol elimination from tris[2-(phenylthio)ethyl]phosphine oxide: a convenient route to trivinylphosphine oxide. *Mendeleev Communications*, **2006**, 16, 31 | 1.9 | 3 |
| 147 | Addition of secondary phosphines to divinyl sulfide. *Sulfur Letters*, **2003**, 26, 63-66 | | 3 |
| 146 | REACTION OF (ORGANYLTHIO)CHLOROACETYLENES WITH ALIPHATIC 1,2-DITHIOLS: A ROUTE TO FUNCTIONALIZED 1,3-DITHIOLANES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2004**, 179, 1355-1360 | 1 | 3 |
| 145 | Synthesis of Tertiary Bisphosphine Oxides from Methylacetylene and Secondary Phosphine Oxides. *Russian Journal of Organic Chemistry*, **2004**, 40, 129-130 | 0.7 | 3 |
| 144 | An expedient synthesis of methyl vinyl sulfide from dimethyl disulfide and acetylene. *Journal of Sulfur Chemistry*, **2004**, 25, 395-399 | 2.3 | 3 |
| 143 | An Unexpected Redox Reaction between Tris(Z-phenylethenyl)phosphine and 4-Hydroxy-4-methyl-2-pentynonitrile. *Russian Journal of General Chemistry*, **2002**, 72, 1141-1141 | 0.7 | 3 |
| 142 | Reactions of Elemental Phosphorus and Phosphine with Electrophiles in Superbasic Media: XI.1 Phosphorylation of 4-Methoxybenzyl Chloride with Elemental Phosphorus and Phosphine. *Russian Journal of General Chemistry*, **2001**, 71, 58-60 | 0.7 | 3 |
| 141 | Functional Methacryloyoxy Acetals: II. Electophilic Addition of Alcohols to Vinyloxyalkyl Methacrylates. *Russian Journal of Organic Chemistry*, **2001**, 37, 1683-1687 | 0.7 | 3 |
| 140 | Hydrophosphination of Vinyl Sulfides and Vinyl Selenides: First Examples. *Synthesis*, **2002**, 2002, 2207-2210 | 1.9 | 3 |
| 139 | Reactions of alkali metal acetylides with red phosphorus. *Mendeleev Communications*, **2000**, 10, 66 | 1.9 | 3 |
| 138 | REARRANGEMENT IN THE ACETYLENIC NUCLEOPHILIC SUBSTITUTION WITH THE O-ALKYL CARBONODITHIOATE ANIONS. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2000**, 158, 81-89 | 1 | 3 |
| 137 | Thermal transformations of divinyl sulfone in the gas phase. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1983**, 32, 844-846 | | 3 |
| 136 | One-pot synthesis of polyfluoroalkylphosphonylated dihydropyridines with a carboxylate function from pyridines, alkyl propiolates, and bis(fluoroalkyl) phosphonates. *Tetrahedron Letters*, **2016**, 57, 3515-3517 | 2 | 3 |
| 135 | Steric control of regiodirectivity of reductive N-vinylation–C-phosphorylation of pyridines with the system alkyl propiolates–secondary phosphine oxide. *Russian Journal of General Chemistry*, **2016**, 86, 731-734 | 0.7 | 3 |
| 134 | Reaction of aryl(diarylphosphoryl)methanols with alkyl propiolates. Regio- and stereoselective synthesis of functional vinyl ethers. *Russian Journal of Organic Chemistry*, **2016**, 52, 772-776 | 0.7 | 3 |
| 133 | Transition metal-free regioselective access to 9,10-dihydroanthracenes via the reaction of anthracenes with elemental phosphorus in the KOH/DMSO system. *Tetrahedron Letters*, **2018**, 59, 4533-4536 | 2 | 3 |
| 132 | Four-Component Reaction between Secondary Phosphines, Primary Amines, Aldehydes, and Chalcogens: A Facile Access to Functionalized α-Aminophosphine Chalcogenides. *Synthesis*, **2017**, 49, 677-684 | 2.9 | 2 |

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|---|---|---|---|
| 131 | Polyfluoroalkyl Phosphates Bearing Propargyl Substituents. *Russian Journal of General Chemistry*, **2019**, 89, 708-712 | 0.7 | 2 |
| 130 | Phosphorus halide free synthesis of 1,2,3,4-tetrahydroisophosphinoline 2-oxides. *Mendeleev Communications*, **2018**, 28, 29-30 | 1.9 | 2 |
| 129 | One-Pot Chlorine-Free Synthesis of Chiral Organophosphorus Compounds from Elemental Phosphorus and α-Methylstyrene Dimer. *Doklady Chemistry*, **2018**, 478, 5-8 | 0.8 | 2 |
| 128 | Reaction of 9-bromoanthracene with red phosphorus in the system KOH-DMSO. *Russian Journal of Organic Chemistry*, **2016**, 52, 1059-1061 | 0.7 | 2 |
| 127 | Cross-coupling between secondary phosphine selenides and primary or secondary amines: halogen-free synthesis of phosphinoselenoic amides. *Mendeleev Communications*, **2013**, 23, 253-254 | 1.9 | 2 |
| 126 | Polarity and Conformational Analysis of Secondary Phosphine Selenides. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2013**, 188, 95-99 | 1 | 2 |
| 125 | First example of direct phosphorylation of vinyl silanes with elemental phosphorus in superbasic media. *Russian Journal of General Chemistry*, **2015**, 85, 2416-2417 | 0.7 | 2 |
| 124 | An Expedient Access to α-Ketophosphine Chalcogenides via the Chemo- and Regioselective Addition of Secondary Phosphine Chalcogenides to β-Ethylenic Ketones. *Heteroatom Chemistry*, **2015**, 26, 455-462 | 1.2 | 2 |
| 123 | Acetylene phosphorylation with elemental phosphorus in the KOH-DMSO system. *Russian Journal of General Chemistry*, **2014**, 84, 2401-2404 | 0.7 | 2 |
| 122 | Reaction of secondary phosphine chalcogenides with diallylamine. *Russian Journal of General Chemistry*, **2014**, 84, 1742-1747 | 0.7 | 2 |
| 121 | Three-component reaction between elemental sulfur, primary phosphines, and amines: straightforward synthesis of organylammonium trithiophosphonates. *Journal of Sulfur Chemistry*, **2013**, 34, 227-232 | 2.3 | 2 |
| 120 | Nucleophilic addition of phosphine to 1-vinylimidazole. *Russian Journal of General Chemistry*, **2011**, 81, 2522-2524 | 0.7 | 2 |
| 119 | Nucleophilic diaddition of secondary phosphine sulfides to acetylene and methylacetylene. *Russian Chemical Bulletin*, **2009**, 58, 234-237 | 1.7 | 2 |
| 118 | Reaction of secondary phosphines with elemental sulfur and hydrazine: atom-economic synthesis of dithiophosphinates. *Russian Journal of General Chemistry*, **2010**, 80, 1886-1888 | 0.7 | 2 |
| 117 | Structure and properties of bis{[2-(4-tert-butyl)phen]ethyl}phosphine sulfide. *Journal of Structural Chemistry*, **2010**, 51, 120-125 | 0.9 | 2 |
| 116 | Microwave activation of base-catalyzed reactions of divinyl sulfoxide with water. *Doklady Chemistry* , **2007**, 412, 5-6 | 0.8 | 2 |
| 115 | Reaction of vinyl sulfoxides with sodium sulfide and polysulfides. *Russian Journal of General Chemistry*, **2008**, 78, 933-938 | 0.7 | 2 |
| 114 | Vinylation of hydroxy-containing cyclic formaldehyde acetals with acetylene. *Russian Journal of Organic Chemistry*, **2008**, 44, 1434-1437 | 0.7 | 2 |

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|---|---|---|---|
| 113 | Non-Catalyzed, Atom-Economic, High-Yield Synthesis of Tertiary α-Hydroxyphosphane Selenides. *Synthesis*, **2006**, 2006, 4159-4162 | 2.9 | 2 |
| 112 | Noncatalytic hydrophosphorylation and hydrothiophosphorylation of hydroxyaldehydes. *Russian Journal of General Chemistry*, **2006**, 76, 98-102 | 0.7 | 2 |
| 111 | Phosphorylation of Furfural by Secondary Phosphine Oxides. *Chemistry of Heterocyclic Compounds*, **2004**, 40, 426-429 | 1.4 | 2 |
| 110 | Synthesis of 1,2-Bis(2-phenylethenylsulfanyl)-1-phenylethene from Phenylacetylene and Sodium Disulfide. *Russian Journal of General Chemistry*, **2004**, 74, 470-471 | 0.7 | 2 |
| 109 | Hydrogen Bonds in 2-(Diorganylphosphorylhydroxymethyl)-1-organylimidazoles. *Russian Journal of General Chemistry*, **2004**, 74, 540-544 | 0.7 | 2 |
| 108 | Facile Synthesis of Tris(1-naphthylmethyl)phosphine Oxide: A Route to Design of Complexing Luminophores. *Russian Journal of General Chemistry*, **2004**, 74, 635-636 | 0.7 | 2 |
| 107 | Reaction of Activated Red Phosphorus with Allyl Bromide under Phase-Transfer Catalysis. *Russian Journal of General Chemistry*, **2004**, 74, 1128-1129 | 0.7 | 2 |
| 106 | Chemo-, regio-, and stereoselective addition of secondary phosphine sulfides to α,β-unsaturated aldehydes. *Russian Journal of General Chemistry*, **2004**, 74, 1625-1626 | 0.7 | 2 |
| 105 | Facile Exchange of Phosphoryl Oxygen by Sulfur and Selenium in Teriary Phosphine Oxides. *Russian Journal of General Chemistry*, **2002**, 72, 1650-1651 | 0.7 | 2 |
| 104 | Functional Acetal Methacrylates: IV. Electrophophilic Addition of Triazoles to Vinyloxyalkyl Methacrylates. *Russian Journal of Organic Chemistry*, **2003**, 39, 585-588 | 0.7 | 2 |
| 103 | Formation and Properties of Hydrogenation Catalysts Based on Palladium Complexes with Primary Phosphines. *Kinetics and Catalysis*, **2005**, 46, 572-577 | 1.5 | 2 |
| 102 | Atom-Economic Synthesis of New Imidazoles and Benzimidazoles with Thiophosphoryl and Hydroxyl Groups. *Chemistry of Heterocyclic Compounds*, **2005**, 41, 317-322 | 1.4 | 2 |
| 101 | Divinyl Sulfoxide: XI. Selective Addition of Carbonodithioate Anions to Divinyl Sulfoxide in the Water-Benzene System. *Russian Journal of General Chemistry*, **2005**, 75, 1247-1250 | 0.7 | 2 |
| 100 | Reaction of Tribenzylphosphine Oxide with Aldehydes. *Russian Journal of Organic Chemistry*, **2001**, 37, 1726-1730 | 0.7 | 2 |
| 99 | Reaction of (alkylthio)chloroacetylenes with thiourea. *Russian Chemical Bulletin*, **2000**, 49, 1319-1319 | 1.7 | 2 |
| 98 | Reaction of 1-alkyl-2-formylimidazole with tribenzylphosphine oxide: An example of the synthesis of heterocyclic analogs of stilbene. *Chemistry of Heterocyclic Compounds*, **2000**, 36, 221-222 | 1.4 | 2 |
| 97 | Synthesis and antibacterial activity of tris{2-[4-(1-benzylpyridinio)]ethyl}-phosphinoxide trichloride. *Pharmaceutical Chemistry Journal*, **1996**, 30, 463-464 | 0.9 | 2 |
| 96 | Synthesis and biological activity of organylthioselenides. *Pharmaceutical Chemistry Journal*, **1984**, 18, 11-13 | 0.9 | 2 |

| | | | |
|---|---|---|---|
| 95 | NMR-spectroscopic study of conjugation effects. 9.13C NMR spectra of alkyl vinyl sulfoxides and sulfones. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1980**, 29, 715-719 | | 2 |
| 94 | UV absorption spectra of the sulfoxides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1978**, 27, 901-904 | | 2 |
| 93 | Chemoselective Vinylation of the Quinine Hydroxy Group with the System Electron-Deficient Acetylene/Diphenylphosphine Oxide: an Alternative to SHNAr Reaction. *Russian Journal of Organic Chemistry*, **2019**, 55, 1971-1974 | 0.7 | 2 |
| 92 | A mechanistic insight into the chemoselectivity of the reaction between 3-phenyl-2-propynenitrile, secondary phosphine oxides and pyridinoids. *Mendeleev Communications*, **2021**, 31, 670-672 | 1.9 | 2 |
| 91 | Competitive Deprotonation in Vicinal O=SCH2CH2P=O Moieties. *Letters in Organic Chemistry*, **2006**, 3, 720-722 | 0.6 | 2 |
| 90 | Catalyst-free regio- and chemoselective addition of secondary phosphine oxides to isoquinolines. *Russian Chemical Bulletin*, **2020**, 69, 1102-1105 | 1.7 | 2 |
| 89 | Non-catalyzed addition of secondary phosphine chalcogenides to divinyl chalcogenides under solvent-free conditions. *Journal of Sulfur Chemistry*, **2016**, 37, 488-500 | 2.3 | 2 |
| 88 | Noncatalytic addition of secondary phosphines to vinyl selenides. *Russian Journal of Organic Chemistry*, **2016**, 52, 1511-1513 | 0.7 | 2 |
| 87 | Oxidative cross-coupling of secondary phosphine chalcogenides with amino alcohols and aminophenols: aspects of the reaction chemoselectivity. *Organic and Biomolecular Chemistry*, **2021**, 19, 5098-5107 | 3.9 | 2 |
| 86 | Synthesis of Long-Chain n-Alkylphosphonic Acids by Phosphonylation of Alkyl Bromides with Red Phosphorus and Superbase under Micellar/Phase Transfer Catalysis. *European Journal of Organic Chemistry*, **2021**, 2021, 1596-1602 | 3.2 | 2 |
| 85 | Hydrophosphorylation of vinyl sulfides with elemental phosphorus in the KOH/DMSO(H2O) system: synthesis of 2-alkyl(aryl)thioethylphosphinic acids. *Journal of Sulfur Chemistry*, **2018**, 39, 112-118 | 2.3 | 2 |
| 84 | Solvent-free synthesis of 4-chalcogenophosphorylpyridines via SNHAr reaction of pyridines with secondary phosphine chalcogenides. *Mendeleev Communications*, **2018**, 28, 582-583 | 1.9 | 2 |
| 83 | Chemoselective Cross-Coupling of Secondary Phosphine Chalcogenides with Aminophenols: Synthesis of Aminophenylchalcogenophosphinic Acids O-Esters. *Russian Journal of General Chemistry*, **2018**, 88, 2223-2226 | 0.7 | 2 |
| 82 | Phosphorylation of Acetylaminophenols with Secondary Phosphine Chalcogenides: Synthesis of O-(Acetylamino)phenyl Chalcogenophosphinates. *Russian Journal of General Chemistry*, **2019**, 89, 59-62 | 0.7 | 1 |
| 81 | Free Radical Hydrophosphorylation of Fluoroalkyl Vinyl Ethers: Synthesis of Fluoroalkyl Phosphonates. *Russian Journal of General Chemistry*, **2020**, 90, 614-618 | 0.7 | 1 |
| 80 | Synthesis of Non-Symmetric Functionalized Polyfluoroalkyl Phosphites. *Russian Journal of General Chemistry*, **2020**, 90, 839-844 | 0.7 | 1 |
| 79 | Regio- and stereoselective reaction of 3-fluoropyridine, electron-deficient alkynes and bis(fluoroalkyl) phosphites: Catalyst- and solvent-free synthesis of polyfluoroalkylphosphonylated 3-fluoro-1,2-dihydropyridines. *Journal of Fluorine Chemistry*, **2018**, 210, 137-141 | 2.1 | 1 |
| 78 | Cycloaddition of primary phosphines to divinyl sulfide. *Russian Journal of Organic Chemistry*, **2013**, 49, 12-16 | 0.7 | 1 |

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|---|---|---|---|
| 77 | Synthesis of polyfluoralkylated 1,3,2-dioxaphospholane and 1,3,2-dioxaphosphorinane oxides. *Russian Journal of Organic Chemistry*, **2017**, 53, 1623-1629 | 0.7 | 1 |
| 76 | Unexpected Carbon–Selenium Bond Formation in the Reaction of Secondary Phosphine Selenides with Benzoylphenylacetylene. *Russian Journal of General Chemistry*, **2017**, 87, 2902-2903 | 0.7 | 1 |
| 75 | Penta-O-{1-[2-(glycidyloxy)ethoxy]ethyl}-d-glucopyranose: synthesis and application for the preservation of cardiovascular bioprostheses. *Russian Chemical Bulletin*, **2015**, 64, 1451-1457 | 1.7 | 1 |
| 74 | Atom-economic synthesis of highly branched functional tripod-like triphosphine sulfides. *Journal of Sulfur Chemistry*, **2015**, 36, 227-233 | 2.3 | 1 |
| 73 | Chemo- and regioselective reaction of vinyl furfuryl ethers with alcohols. *Russian Journal of Organic Chemistry*, **2012**, 48, 1162-1167 | 0.7 | 1 |
| 72 | Chemoselective synthesis of first representatives of bis(diorganothiophosphinyl)selenides, (R2P=S)2Se, from secondary phosphine sulfides and elemental selenium. *Inorganic Chemistry Communication*, **2013**, 30, 124-127 | 3.1 | 1 |
| 71 | Highly effective stereoselective synthesis of vinyl ethers of 5-alkyl-2-(2-furyl)-5-hydroxymethyl-1,3-dioxanes. *Chemistry of Heterocyclic Compounds*, **2009**, 45, 1308-1312 | 1.4 | 1 |
| 70 | Reaction of 3-thiolene 1,1-dioxide with PH-acids. *Chemistry of Heterocyclic Compounds*, **1998**, 34, 1023-1026 | 1.4 | 1 |
| 69 | Direct synthesis of a three-dimensional cross-linked tris(4-vinylbenzyl)phosphine oxide polymer from 4-vinylbenzyl chloride and red phosphorus. *Doklady Chemistry*, **2008**, 418, 5-7 | 0.8 | 1 |
| 68 | Reactions of elemental phosphorus and phosphine with electrophiles in superbasic systems: XX. Phosphorylation of 4-vinylbenzyl chloride with elemental phosphorus. *Russian Journal of General Chemistry*, **2007**, 77, 1880-1886 | 0.7 | 1 |
| 67 | Effect of microwave irradiation on the reaction of elemental sulfur with Phenylacetylene. *Doklady Chemistry*, **2005**, 400, 3-6 | 0.8 | 1 |
| 66 | Reactions of Elemental Phosphorus and Phosphine with Electrophiles in Superbasic Systems: XV. Phosphorylation of Allyl Halides with Elemental Phosphorus. *Russian Journal of General Chemistry*, **2004**, 74, 1091-1096 | 0.7 | 1 |
| 65 | First example of hydro-thiophosphorylation of 3-thiolene 1,1-dioxide. *Chemistry of Heterocyclic Compounds*, **2004**, 40, 1370-1372 | 1.4 | 1 |
| 64 | Effect of X-ray Irradiation on the Reactivity of Red Phosphorus in the Synthesis of Organophosphorus Compounds. *Doklady Chemistry*, **2002**, 382, 19-20 | 0.8 | 1 |
| 63 | Biographical radiation-induced defect formation as a method for the activation of red phosphorus in reactions with arylalkenes. *Russian Chemical Bulletin*, **2003**, 52, 511-512 | 1.7 | 1 |
| 62 | Synthesis of 1,2-Divinyloxypropenes from Glycerol and Acetylene in the Superbasic System CsF-NaOH-DMSO. *Russian Journal of Organic Chemistry*, **2003**, 39, 1356-1357 | 0.7 | 1 |
| 61 | Controlled Defect Formation in Elemental Phosphorus as Method for Its Chemical Activation. *ChemInform*, **2003**, 34, no | | 1 |
| 60 | Competitive Coordination of 2-[(Diorganylphosphinoyl)-hydroxymethyl)]-1-organylimidazoles with Metal Chlorides. *Russian Journal of General Chemistry*, **2005**, 75, 200-206 | 0.7 | 1 |

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|---|---|---|---|
| 59 | Reaction of Activated Red Phosphorus with Phenylacetylene in the KOH-HMPA System. *Russian Journal of General Chemistry*, **2001**, 71, 643-643 | 0.7 | 1 |
| 58 | One-step synthesis of unsymmetrical tertiary phosphine oxides from red phosphorus and organyl halides. *Russian Chemical Bulletin*, **2000**, 49, 1320-1320 | 1.7 | 1 |
| 57 | Dimerization of (Alkylthio)Chloroacetylenes Initiated By Sodium Sulfite. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2000**, 165, 191-195 | 1 | 1 |
| 56 | A novel method for synthesizing diorganylphosphinous acids from red phosphorus and arylalkenes. *Russian Chemical Bulletin*, **1994**, 43, 1591-1592 | 1.7 | 1 |
| 55 | Synthesis of tris[(organylpyridino)ethyl]-phosphoryl halides and their anti-bacterial activity. *Pharmaceutical Chemistry Journal*, **1994**, 28, 654-656 | 0.9 | 1 |
| 54 | Vinylmethylsulfoxide in the Pummerer reaction. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1991**, 40, 1919-1919 | | 1 |
| 53 | Reaction of red phosphorus with benzyl halides in a superbase system. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1989**, 38, 430-430 | | 1 |
| 52 | Tris(2-phenylethyl)phosphine oxide from red phosphorus and styrene. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1989**, 38, 1569-1569 | | 1 |
| 51 | Synthesis of tris(2,2-dialkoxyethyl)phosphine oxides from red phosphorus and 1,1-dialkoxy-2-bromoethanes in superbase systems. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1990**, 39, 2606-2607 | | 1 |
| 50 | Synthesis of monosubstituted divinyl sulfides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 639-641 | | 1 |
| 49 | Study of conjugation effects by means of NMR spectroscopy. 13. NMR spectra of divinyl chalcogenides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1981**, 30, 2073-2077 | | 1 |
| 48 | Formation of thiophene by pyrolysis of divinyl sulfoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1982**, 31, 174-175 | | 1 |
| 47 | Formation of cis-1-vinylthio-1-buten-3-ol and cis, cis-di(3-hydroxy-1-butenyl) sulfide from elemental sulfur and acetylene. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1983**, 32, 205-207 | | 1 |
| 46 | IR spectral and dipole moment studies of the conformational isomerism of vinyl sulfides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1977**, 26, 302-306 | | 1 |
| 45 | NaOH(KOH)-catalyzed vinylation of cellulose with acetylene gas in water. *Cellulose*, **2020**, 27, 9271-9283 | 5.5 | 1 |
| 44 | Direct phosphorylation of fullerene C60 with phosphine. *Doklady Chemistry*, **2016**, 471, 321-324 | 0.8 | 1 |
| 43 | Environmentally benign (Green) synthesis of Cobazole, an efficient erythropoiesis-stimulating agent. *Doklady Chemistry*, **2016**, 471, 360-361 | 0.8 | 1 |
| 42 | Synthesis of oxazolidinylphosphine chalcogenides from aminoethyl vinyl ethers. *Russian Chemical Bulletin*, **2013**, 62, 107-110 | 1.7 | 0 |

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|---|---|---|---|
| 41 | Atom-sparing synthesis of tertiary diphosphine dichalcogenides from acetylenes and secondary phosphine chalcogenides. *Russian Journal of General Chemistry*, **2010**, 80, 232-238 | 0.7 | 0 |
| 40 | Synthesis of primary phosphines from phosphine and arylethylenes. *Russian Chemical Bulletin*, **1995** , 44, 1535-1535 | 1.7 | 0 |
| 39 | Features of the electronic structure of molecules of vinyl sulfoxides and properties of their complexes with iodine and tetracyanoethylene. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 1811-1816 | | 0 |
| 38 | Reaction of acetylene with organic disulfides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1972**, 21, 1047-1051 | | 0 |
| 37 | Microwave-assisted catalyst-free addition of secondary phosphines to fullerene C 60. *Mendeleev Communications*, **2017**, 27, 198-200 | 1.9 | |
| 36 | Synthesis of Amido- and Diamidophosphites with Polyfluoroalkyl Substituents. *Russian Journal of General Chemistry*, **2020**, 90, 229-234 | 0.7 | |
| 35 | Reduction of Acridine and 9-Chloroacridine with Red Phosphorus in the KOH/DMSO System. *Doklady Chemistry*, **2019**, 487, 177-179 | 0.8 | |
| 34 | Phosphorylation of alkyl methanesulfonates with elemental phosphorus in a strongly basic medium: Synthesis of alkylphosphinic acids. *Russian Journal of General Chemistry*, **2017**, 87, 1876-1878 | 0.7 | |
| 33 | Synthesis of first representatives of alkaline-earth metal diselenophosphinates. *Russian Chemical Bulletin*, **2012**, 61, 456-458 | 1.7 | |
| 32 | Influence of intermolecular interactions on the conformation of a 2-[bis(2-ethylphenyl)thiophosphorylhydroxymethyl]-1-ethylbenzimidazole molecule (L) upon complex formation with ZnCl2: Crystal and molecular structures of molecule L. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 906-915 | 1.5 | |
| 31 | Nanocomposites of red phosphorus in the reaction with 4-methoxystyrene. *Russian Journal of General Chemistry*, **2010**, 80, 1380-1382 | 0.7 | |
| 30 | An unexpected reaction pattern of divinyl sulfoxide with potassium O-alkyl carbonodithioates under microwave assistance. *Russian Journal of General Chemistry*, **2008**, 78, 678-679 | 0.7 | |
| 29 | Nucleophilic addition of phosphine to vinyl sulfoxides. *Russian Journal of General Chemistry*, **2008**, 78, 1011-1013 | 0.7 | |
| 28 | A mixture of tris(propenyl)phosphinoxides: A new effective collector reagent for copper-nickel ore flotation. *Theoretical Foundations of Chemical Engineering*, **2008**, 42, 731-732 | 0.9 | |
| 27 | First Organophosphorus Nonlinear-Optical Media. *Doklady Chemistry*, **2004**, 394, 34-35 | 0.8 | |
| 26 | Organylthiochloroacetylenes: V. Dimerization of Alkylthiochloroacetylenes in the Presence of Sodium Sulfite. *Russian Journal of General Chemistry*, **2002**, 72, 418-425 | 0.7 | |
| 25 | (Organylthio)chloroacetylenes: VII. Hydrochlorination of (Alkylthio)chloroacetylenes. *Russian Journal of General Chemistry*, **2003**, 73, 1246-1248 | 0.7 | |
| 24 | Reduction of Arylmethyl Chlorides with a Phosphine-Hydrogen Mixture in the KOH-DMSO System. *Russian Journal of General Chemistry*, **2005**, 75, 658-659 | 0.7 | |

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|---|---|---|
| 23 | Reactions of Elemental Phosphorus and Phosphines with Electrophiles in Superbasic Systems: XII. Synthesis of Unsymmetrical Tertiary Phosphine Oxides from Red Phosphorus and Organyl Halides. *Russian Journal of General Chemistry*, **2001**, 71, 718-720 | 0.7 |
| 22 | Reaction of Phosphorus Red with Dihaloalkanes under Phase-Transfer Conditions. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996**, 111, 173-173 | 1 |
| 21 | Photoelectron spectra of vinyl tellurides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1991**, 40, 831-834 | |
| 20 | Reaction of Red Phosphorus with Electrophilic Reagents in Superbasic Systems. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1990**, 51, 243-243 | 1 |
| 19 | Vibrational spectrum of methyl vinyl telluride. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1986**, 35, 2552-2554 | |
| 18 | Rotational isomerism of vinylmethyltelluride. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1987**, 36, 292-296 | |
| 17 | Synthesis and biological activity of n-substituted 1,4-perhydrothiazin-1-oxides. *Pharmaceutical Chemistry Journal*, **1987**, 21, 22-25 | 0.9 |
| 16 | Divinyl sulfoxide Communication 7. Nucleophilic addition of triorganylsilylalkanethiols and trialkylsilylalkanols to divinyl sulfoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1985**, 34, 813-816 | |
| 15 | Calculation of the vibrational spectra of methyl vinyl sulfide and its deuterated derivatives. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1985**, 34, 1629-1633 | |
| 14 | Ultraviolet absorption spectra of vinyl sulfides and selenides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1985**, 34, 109-114 | |
| 13 | Divinyl sulfoxide II. Vinylation and vinylsulfinylation of triorganylsilylalkanethiols by divinyl sulfoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1981**, 30, 864-867 | |
| 12 | Ultraviolet absorption spectra of vinyl sulfides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1975**, 24, 388-389 | |
| 11 | Oxidation of dialkyl sulfides with dimethyl sulfoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1976**, 25, 1536-1537 | |
| 10 | Conjugation of divalent sulfur with multiple bonds. *Journal of Applied Spectroscopy*, **1977**, 27, 1436-1440 | 0.7 |
| 9 | Unusual reaction of trialkylsilylalkanethiols with divinyl sulfoxide. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1978**, 27, 1478-1478 | |
| 8 | New variation of the alkaline cleavage of dialkyl disulfides. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1971**, 20, 2176-2178 | |
| 7 | Stereochemistry of the vinylation of thiols. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1971**, 20, 1835-1836 | |
| 6 | Oxidative Cross-Coupling of Cysteamine with Secondary Phosphine Chalcogenides: Aspects of Reaction Chemoselectivity. *Doklady Chemistry*, **2020**, 490, 11-15 | 0.8 |

| | | |
|---|---|---|
| 5 | Homolytic Adamantylation of 2- and 4-Alkylsulfonylpyridines. *Doklady Chemistry*, **2005**, 400, 3-6 | 0.8 |
| 4 | Nucleophilic addition to acetylenes in superbasic catalytic systems: XV. Vinylation of 2-hydroxymethylfuran **2010**, 44, 120 | |
| 3 | Chemoselective vinylation of aminophenols with acetylene catalyzed by sodium aminophenolates in aqueous DMSO. *Mendeleev Communications*, **2020**, 30, 788-790 | 1.9 |
| 2 | Chemoselective Synthesis of Alkylphosphinic Acids from Red Phosphorus and Alkyl Bromides in the System KOH/H2O/Toluene/Micellar Catalyst. *Russian Journal of Organic Chemistry*, **2022**, 58, 192-199 | 0.7 |
| 1 | Reaction of polyfluoroalkyl dichlorophosphites with propargyl alcohol: synthesis and isomerization of polyfluoroalkyl di(2-propynyl) phosphites. *Russian Chemical Bulletin*, **2021**, 70, 2195-2199 | 1.7 |