

# Oleg I Kolodyazhnyi

## List of Publications by Year in descending order

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80  
papers

2,248  
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304743

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90  
docs citations

90  
times ranked

1284  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Phosphorus Compounds of Natural Origin: Prebiotic, Stereochemistry, Application. <i>Symmetry</i> , 2021, 13, 889.  | 2.2 | 24        |
| 2  | The absolute configuration of 2-bromo-2,3-dihydro-1 <i>H</i> -inden-1-ols. <i>Synthetic Communications</i> , 2021, 51, 3023-3031.  | 2.1 | 1         |
| 3  | Asymmetric synthesis of ( <i>S,R</i> )- and ( <i>R,R</i> )-methiin stereoisomers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020, 195, 713-717.                   | 1.6 | 2         |
| 4  | Asymmetric Electrophilic Reactions in Phosphorus Chemistry. <i>Symmetry</i> , 2020, 12, 108.   | 2.2 | 13        |
| 5  | Stereochemistry of electrophilic and nucleophilic substitutions at phosphorus. <i>Pure and Applied Chemistry</i> , 2019, 91, 43-57.  | 1.9 | 9         |
| 6  | Stereochemistry of electrophilic and nucleophilic substitution at phosphorus. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 396-400.                       | 1.6 | 5         |
| 7  | Stereoselective syntheses of sanshool derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 275-276.  | 1.6 | 5         |
| 8  | Stereochemistry of nucleophilic substitution at trivalent phosphorus. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 621-633.                               | 1.6 | 7         |
| 9  | Nucleophilic substitution at phosphorus: stereochemistry and mechanisms. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 1651-1674.  | 1.8 | 51        |
| 10 | Synthesis, Properties and Stereochemistry of 2-Halo-1,2,5-oxaphosphetanes. <i>Molecules</i> , 2016, 21, 1371.  | 3.8 | 6         |
| 11 | Reaction of C-silyl-P-chloro-alkylidene phosphoranes with carbonyl compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 322-328.                       | 1.6 | 0         |
| 12 | Multiple stereoselectivity in organophosphorus chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 444-458.   | 1.6 | 8         |
| 13 | Synthesis and Properties of Four-Membered Phosphorus Heterocycles-2-Fluoro-1,2,5-Oxaphosphetanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 2232-2245. | 1.6 | 5         |
| 14 | Synthesis of <i>Anti-Cis</i> -Phosphiranes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 1192-1200.   | 1.6 | 2         |
| 15 | Recent Advances in Asymmetric Synthesis of $\Delta$ -Stereogenic Phosphorus Compounds. <i>Topics in Current Chemistry</i> , 2014, 360, 161-236.  | 4.0 | 34        |
| 16 | Asymmetric catalysis as a method for the synthesis of chiral organophosphorus compounds. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 865-922.  | 1.8 | 68        |
| 17 | Advances in Asymmetric Hydrogenation and Hydride Reduction of Organophosphorus Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 1102-1131.         | 1.6 | 10        |
| 18 | Enzymatic preparation of (1 <i>S</i> ,2 <i>R</i> )- and (1 <i>R</i> ,2 <i>S</i> )-stereoisomers of 2-halocycloalkanols. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 37-42.                 | 1.8 | 16        |

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|----|---|-----|-----------|
| 19 | New Catalyst for Phosphonylation of C <sub>E</sub> X Electrophiles. <i>Synthetic Communications</i> , 2012, 42, 1637-1649.  | 2.1 | 14        |
| 20 | Recent developments in the asymmetric synthesis of $\delta$ -chiral phosphorus compounds. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1-46.   | 1.8 | 146       |
| 21 | Synthesis of 3,3-Bis(diethylphosphono)-1-(3 <i>H</i> )-isobenzofuranone and Its Chemical Properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 481-488.   | 1.6 | 5         |
| 22 | Highly Effective Catalyst for the Reaction of Trialkylphosphites with C <sub>E</sub> X Electrophiles. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 796-798.  | 1.6 | 3         |
| 23 | Enzymatic synthesis of organophosphorus compounds. <i>Russian Chemical Reviews</i> , 2011, 80, 883-910.   | 6.5 | 20        |
| 24 | Synthesis and Evaluation of 1-Aryl-1-(7-carboxy-isoindolin-1-one-2-yl)methylphosphonic Acid Derivatives as Inhibitors of Protein Tyrosine Phosphatase. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 956-957. | 1.6 | 0         |
| 25 | New Methods for the Synthesis of Phosphonic Analogues of Natural Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 644-651.  | 1.6 | 4         |
| 26 | Synthesis of the Phosphonoanalogue of Benzo[c]pyroglutamic Acid. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 2441-2448.   | 1.6 | 7         |
| 27 | Synthesis of Phosphonoindoprofen. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 2238-2242.  | 1.6 | 4         |
| 28 | Synthesis of Phosphonic Acids Possessing Isoindolin-1-one Moiety: Unexpected Acid-Catalyzed C-P-Bond Cleavage. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 890-907.   | 1.6 | 30        |
| 29 | Synthesis of optically active hydroxyphosphonates. <i>Heteroatom Chemistry</i> , 2008, 19, 133-139.   | 0.7 | 23        |
| 30 | Stereoselectivity of binding of $\hat{1}\pm$ -(N-benzylamino)benzylphosphonic acids to prostatic acid phosphatase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4620-4623.   | 2.2 | 28        |
| 31 | Asymmetric Syntheses of New Phosphonotaxoids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 677-678.  | 1.6 | 5         |
| 32 | New Method for the Asymmetric Reduction of Ketophosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 687-688.   | 1.6 | 6         |
| 33 | Modified Alkaloids as Organocatalysts for the Asymmetric Synthesis of Organophosphorus Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 728-729.  | 1.6 | 3         |
| 34 | Dimethyl(S)-2-Hydroxy-3-Chloropropylphosphonate as Accessible Chiron for the Asymmetric Synthesis of Hydroxyphosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 681-682.                              | 1.6 | 5         |
| 35 | Di(1 <i>R</i> ,2 <i>S</i> ,5 <i>R</i> )-menthyl 2-Hydroxy-3-chloropropylphosphonate as a Useful Chiral Synthon for the Preparation of Enantiomerically Pure Phosphonic Acids. <i>Synlett</i> , 2007, 2007, 2400-2404.                       | 1.8 | 3         |
| 36 | $\hat{1}\pm$ -Acylaminophosphonates possessing epoxyisoindolone moiety. <i>Tetrahedron</i> , 2007, 63, 12576-12582.   | 1.9 | 15        |

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|----|--|-----|-----------|
| 37 | Chiral hydroxy phosphonates: synthesis, configuration and biological properties. Russian Chemical Reviews, 2006, 75, 227-253.  | 6.5 | 86        |
| 38 | New method for the asymmetric hydroboration of ketophosphonates and the synthesis of phospho-carnitine. Tetrahedron: Asymmetry, 2006, 17, 1023-1026.                         | 1.8 | 24        |
| 39 | Asymmetric synthesis of hydroxyphosphonates. Tetrahedron: Asymmetry, 2005, 16, 3295-3340.  | 1.8 | 215       |
| 40 | Diastereoselective Addition of Monoand Bis-Silylphosphines to Chiral Aldehydes. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 2335-2346.               | 1.6 | 7         |
| 41 | STEREOSELECTIVE REACTIONS OF CHIRAL AMINES WITH RACEMIC CHLOROPHOSPHINES. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 1027-1046.                     | 1.6 | 35        |
| 42 | Double and triple asymmetric induction in phosphaldol reactions. Tetrahedron: Asymmetry, 2004, 15, 1961-1963.  | 1.8 | 15        |
| 43 | Highly stereoselective addition of silylphosphines to chiral aldehydes. Tetrahedron Letters, 2004, 45, 6955-6957.  | 1.4 | 26        |
| 44 | Multiple stereoselectivity and its application in organic synthesis. Tetrahedron, 2003, 59, 5953-6018.   | 1.9 | 111       |
| 45 | Asymmetric synthesis of chiral N-(1-methylbenzyl)aminophosphines. Tetrahedron: Asymmetry, 2003, 14, 181-183.   | 1.8 | 50        |
| 46 | Double Asymmetric Induction as Method for the Synthesis of Chiral Organophosphorus Compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 2111-2114. | 1.6 | 10        |
| 47 | Double Asymmetric Induction During Addition of Chiral Phosphites to C=N Bond. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 2269-2270.                 | 1.6 | 11        |
| 48 | Chiral Symmetric Alkylamides of Phosphoric and Phosphonic Acids. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 2109-2110.                              | 1.6 | 3         |
| 49 | Synthesis and Properties of Phosphorus Ylides Containing Fluorine Atoms Bonded to Phosphorus. Synlett, 2001, 2001, 1065-1078.  | 1.8 | 22        |
| 50 | ORGANOELEMENT JUVENILE HORMONE MIMETICS. Phosphorus, Sulfur and Silicon and the Related Elements, 2000, 163, 171-183.  | 1.6 | 0         |
| 51 | C3-symmetric trialkyl phosphites as starting compounds of asymmetric synthesis. Heteroatom Chemistry, 2000, 11, 138-143.   | 0.7 | 39        |
| 52 | Application of the dimethyl chlorophosphite for the chiral analysis of amines, amino acids and peptides. Tetrahedron: Asymmetry, 1999, 10, 1729-1732.                        | 1.8 | 28        |
| 53 | Chlorotropy in the phosphorus-carbon diad. Heteroatom Chemistry, 1998, 9, 219-228.   | 0.7 | 4         |
| 54 | New P-fluorinated ylides and phosphoranes. Heteroatom Chemistry, 1998, 9, 659-664.   | 0.7 | 16        |

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|----|---|-----|-----------|
| 55 | Asymmetric synthesis of organophosphorus compounds. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1279-1332.   | 1.8 | 221       |
| 56 | Chiral symmetric phosphoric acid esters as sources of optically active organophosphorus compounds. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1645-1649.  | 1.8 | 39        |
| 57 | Methods of preparation of C-substituted phosphorus ylides and their application in organic synthesis. <i>Russian Chemical Reviews</i> , 1997, 66, 225-254.  | 6.5 | 182       |
| 58 | ASYMMETRIC INDUCTION IN THE REACTION OF NONSYMMETRICAL PHOSPHINIC AND PHOSPHINOUS ACID CLORIDES WITH DERIVATIVES OF D-GLUCOFURANOSE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 115, 115-124. | 1.6 | 18        |
| 59 | C-element-substituted phosphorus ylids. <i>Tetrahedron</i> , 1996, 52, 1855-1929.   | 1.9 | 168       |
| 60 | Simple route to chiral organophosphorus compounds. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 967-970.  | 1.8 | 39        |
| 61 | Stereoselective oxidation of N-phosphor (III) substituted amino acids. <i>Tetrahedron Letters</i> , 1995, 36, 3921-3924.  | 1.4 | 20        |
| 62 | REACTION OF TERVALENT PHOSPHORUS COMPOUNDS WITH STERICALLY HINDERED N-CHLOROAMINES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1995, 102, 133-141.  | 1.6 | 9         |
| 63 | <i>TERT</i>-BUTYLCHLORO- AND BROMOPHOSPHONIC ACIDS AS SOURCES OF DIOXOPHOSPHORANES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1995, 103, 191-197.  | 1.6 | 4         |
| 64 | STEREOSELECTIVE WAY TO DERIVATIVES OF N-PHOSPHORYLATED AMINO ACIDS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1995, 103, 183-190.  | 1.6 | 8         |
| 65 | Fluoroalkoxyphosphonium ylids. Epimerization and transformations. <i>Tetrahedron Letters</i> , 1994, 35, 1755-1758.   | 1.4 | 15        |
| 66 | Chemistry of P-Halogenoylids. Synthesis and Properties. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1990, 49-50, 239-242.  | 1.6 | 8         |
| 67 | Halogenotropy in phosphorus-carbon diad. <i>Tetrahedron Letters</i> , 1989, 30, 2445-2448.  | 1.4 | 17        |
| 68 | Reaction de wittig à normale. <i>Tetrahedron Letters</i> , 1985, 26, 439-442.   | 1.4 | 14        |
| 69 | P-Hetero-substituted Phosphorus Ylides. <i>Russian Chemical Reviews</i> , 1983, 52, 1096-1112.  | 6.5 | 26        |
| 70 | Premier heteroallene stable comportant un atome de phosphore dicoordonne.. <i>Tetrahedron Letters</i> , 1982, 23, 4933-4936.  | 1.4 | 59        |
| 71 | Tautomerie oxyde de phosphino-ylurique. <i>Tetrahedron Letters</i> , 1982, 23, 499-502.   | 1.4 | 10        |
| 72 | Nouvelle orientation de la reaction des ylures du phosphore avec les aldehydes. <i>Tetrahedron Letters</i> , 1981, 22, 1231-1234.   | 1.4 | 18        |

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|----|---|-----|-----------|
| 73 | C,P-Carbon-Substituted Phosphorus Ylides. , 0, , 9-156.   |     | 1         |
| 74 | Cumulene Ylides. , 0, , 157-198.  |     | 1         |
| 75 | C-Heterosubstituted Phosphorus Ylides. , 0, , 199-272.  |     | 0         |
| 76 | P-Heterosubstituted Phosphorus Ylides. , 0, , 272-358.  |     | 0         |
| 77 | Conclusion and Final Remarks. , 0, , 539-540.   |     | 0         |
| 78 | Asymmetric electrophilic reactions in phosphorus chemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-3.                        | 1.6 | 0         |
| 79 | Synthesis of chiral phosphonobenzaldehydes and phosphonotyrosine. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-3.                  | 1.6 | 1         |
| 80 | Generation of tert-butyl- $\lambda^5$ -phosphanedione and its chemical properties. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-3. | 1.6 | 0         |