

# Vadim D Romanenko

## List of Publications by Year in descending order

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48  
papers

1,295  
citations

567247

15  
h-index

345203

36  
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56  
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56  
docs citations

56  
times ranked

1184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorinated Phosphonates: Synthesis and Biomedical Application. <i>Chemical Reviews</i> , 2006, 106, 3868-3935.	47.7	332
2	Phosphaalkynes and phosphaalkenes. <i>Tetrahedron</i> , 1989, 45, 6019-6090.	1.9	152
3	Stable Versions of Transient Push-Pull Carbenes: Extending Lifetimes from Nanoseconds to Weeks. <i>Science</i> , 2000, 288, 834-836.	12.6	136
4	Mono- and Diaminocarbenes from Chloroiminium and -amidinium Salts: Synthesis of Metal-Free Bis(dimethylamino)carbene. <i>Journal of the American Chemical Society</i> , 2004, 126, 1016-1017.	13.7	112
5	Synthesis and structure of 1,2,4-triazol-2-ium-5-ylidene complexes of Hg(II), Pd(II), Ni(II), Ni(O), Rh(I) and Ir(I). <i>Journal of Organometallic Chemistry</i> , 2002, 664, 70-76.	1.8	64
6	A new synthesis of 1-phosphaalkyne via phosphaalkene with palladium(O) complex. <i>Tetrahedron Letters</i> , 1992, 33, 2981-2982.	1.4	46
7	Application of Silicon-based Methodologies for the Synthesis of Functionalized Mono- and Bisphosphonic Acids. <i>Current Organic Chemistry</i> , 2011, 15, 2774-2801.	1.6	44
8	1-Amino-1,1-bisphosphonates. Fundamental syntheses and new developments. <i>Arkivoc</i> , 2012, 2012, 127-166.	0.5	35
9	Synthesis and structural characterization of the first donor-stabilized phosphanetriylphosphonium cation: [Ar*PP(PPh3)]+(Ar*= 2,4,6-But 3C6H2). <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1383.	2.0	29
10	Fluorinated organophosphates for biomedical targets. <i>Tetrahedron</i> , 2008, 64, 6153-6190.	1.9	28
11	Persistent Phosphinyl Radicals Featuring a Bulky Amino Substituent and the 2,6-Bis(trifluoromethyl)phenyl Group. <i>Inorganic Chemistry</i> , 2004, 43, 6546-6548.	4.0	25
12	The First "Naked" Primary Phosphanide Anion [ArPH]â. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1193-1195.	13.8	21
13	Synthesis and reactivity of a stable crystalline diastereomerically pure trifluoromethanesulfinic acid derivative: (S)-(â)-1-trifluoromethylsulfinyl-(R)-4-phenyloxazolidin-2-one. <i>Chemical Communications</i> , 2003, , 1680-1681.	4.1	21
14	Siliconâmercury derivatives in organic synthesis. <i>Tetrahedron</i> , 2005, 61, 4509-4530.	1.9	17
15	A NEW ENANTIOSELECTIVE ASYMMETRIC SYNTHESIS OF TRI-CO-ORDINATE PHOSPHORUS COMPOUNDS FROM DI-CO-ORDINATE Î»3-ARYL(ALKYL)IMINOPHOSPHINES. <i>Phosphorous and Sulfur and the Related Elements</i> , 1988, 36, 267-270.	0.2	16
16	Methylidynetrisphosphonates: Promising C1 building block for the design of phosphate mimetics. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 991-1001.	2.2	16
17	Synthesis of stable monomeric metaphosphonimidates, aryl(oxo, thioxo-, or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (sel	2.0	15
18	Formation of the monoanion [Ar*P(BH3)(â-â)2H]â with a symmetrically bridging hydride from the attempted synthesis of the dianion [Ar*P(BH3)3]2â. <i>Chemical Communications</i> , 2001, , 1634-1635.	4.1	14

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19	The phosphalkene-phosphenium cations (R <sub>2</sub> N) <sub>2</sub> C=P <sup>+</sup> -NR <sub>2</sub> : a route towards diphosphenes and phosphallylic cations. <i>Tetrahedron Letters</i> , 1991, 32, 2775-2778.	1.4	13
20	First gas-phase generation of a cis chloroiminoarsane ClAsi <sup>+</sup> NSiMe <sub>3</sub> and a cis chloroiminophosphane ClP <sup>+</sup> NSiMe <sub>2</sub> tBu. Characterization by photoelectron spectroscopy. <i>New Journal of Chemistry</i> , 2001, 25, 930-938.	2.8	13
21	Intramolecular donor-stabilized phosphanylium salts via $\lambda^3$ -Functionalized-iminophosphanes. <i>Tetrahedron Letters</i> , 1995, 36, 2085-2088.	1.4	11
22	Phosphonate derivatives of tetraazamacrocycles as new inhibitors of protein tyrosine phosphatases. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7437-7444.	2.8	11
23	Progress in the Development of Pyrophosphate Bioisosteres: Synthesis and Biomedical Potential of 1-Fluoro- and 1,1-Difluoromethylene-1,1-bisphosphonates. <i>Current Organic Chemistry</i> , 2014, 18, 1491-1512.	1.6	10
24	The synthesis of pentadienylium salts via reactions of (5-ethoxy-1,5-diaryl-2,4-pentadienyliidene)ethyloxonium perchlorate with hydrazines. <i>Tetrahedron Letters</i> , 1996, 37, 6717-6720.	1.4	9
25	Role of the 2,6-Bis(trifluoromethyl)phenyl Group on the Acidity of the Corresponding Phosphane. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 381-387.	2.0	9
26	Design and Synthesis of New Potent Inhibitors of Farnesyl Pyrophosphate Synthase. <i>Current Drug Discovery Technologies</i> , 2014, 11, 133-144.	1.2	9
27	A new synthetic route to $\lambda^3$ -iminophosphines involving nucleophilic displacement reactions on aminoiminophosphines. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 187-189.	2.0	8
28	$\lambda^3$ -Heteroatom-substituted gem-Bisphosphonates: Advances in the Synthesis and Prospects for Biomedical Application. <i>Current Organic Chemistry</i> , 2019, 23, 530-615.	1.6	7
29	Utilization of Aminophosphonates in the Petasis Boronic Acid Mannich Reaction. <i>Synlett</i> , 2010, 2010, 73-76.	1.8	6
30	Condensation of diethyl fluoromethylphosphonate with esters: An alternative synthetic route to diethyl $\lambda^3$ -fluoro- $\lambda^2$ -ketophosphonates. <i>Journal of Fluorine Chemistry</i> , 2018, 211, 124-128.	1.7	6
31	Interaction of N,N-bis(trimethylsilyl)amino-N <sup>+</sup> -trimethylsilyliminophosphine with bis(trimethylsilyl)mercury: a new route to compounds containing the P <sup>+</sup> -Si linkage. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 808-809.	2.0	5
32	Reactions of chlorophosphenium salts with 1,1,3,3-tetraalkyl-2-trimethylsilylguanidines. Molecular structures of new heterocyclic systems: [R <sub>2</sub> NPN{C(NR <sub>2</sub> ) <sub>2</sub> }] <sub>2</sub> <sup>2+</sup> and [R <sub>2</sub> NP{N[C(NR <sub>2</sub> ) <sub>2</sub> }] <sub>2</sub> AlCl <sub>3</sub> . <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 963.	2.0	5
33	Synthesis and characterization of new phosphanylium and phosphanetriylammonium salts. Molecular structures of [(Me <sub>2</sub> N)PN(AlCl <sub>3</sub> )R] and [P(NPri <sub>2</sub> )(NHR)] <sup>+</sup> [CF <sub>3</sub> SO <sub>3</sub> ] <sup>-</sup> (R = C <sub>6</sub> H <sub>2</sub> But <sub>3-2,4,6</sub> ). <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 2925-2931.	1.1	5
34	Amidino Pentadienylium Salts – A New Cyanine Dye Type. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 329-333.	2.4	5
35	(2,4,6-Tri-tert-butylphenylimino)thio- and -selenoxophosphoranes. Synthesis and structural characterization. <i>Heteroatom Chemistry</i> , 1992, 3, 181-187.	0.7	4
36	An efficient synthesis of phosphenimidous esters, ROi <sub>2</sub> Pi <sub>2</sub> ¼Ni <sub>2</sub> Ar. <i>Heteroatom Chemistry</i> , 1992, 3, 453-458.	0.7	4

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37	A new and direct synthesis of 1-acylamino-2,6-diaryl pyridinium salts. <i>Tetrahedron Letters</i> , 1998, 39, 4809-4812.	1.4	4
38	Tetrakis(trimethylsilyl) Ethenylidene-1,1-bisphosphonate: A Mild and Convenient Michael Acceptor for the Synthesis of 2-Aminoethylidene-1,1-bisphosphonic Acids and Their Potassium Salts. <i>Synlett</i> , 2011, 2011, 1370-1374.	1.8	4
39	Phosphonate analogues of nucleoside polyphosphates. <i>Arkivoc</i> , 2019, 2018, 1-49.	0.5	4
40	Reactions of Iminophosphanes with Chlorotris(triphenylphosphine)rhodium(I): Generation and NMR Identification of the First Iminophosphanerhodium(I) and Iminophosphanerhodium(III) Complexes. <i>Mendeleev Communications</i> , 1993, 3, 7-8.	1.6	1
41	The First Examples of Donor-Stabilized Phosphanetriyl-Phosphonium [RP <sub>2</sub> ] Ions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 111, 200-200.	1.6	1
42	Tetrakis(trimethylsilyl) Ethenylidenebisphosphonate: A Mild and Useful Reagent for the Synthesis of Substituted 2-Aminoethylidene-1,1-bisphosphonic Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 799-801.	1.6	1
43	Functions Containing Doubly Bonded P, As, Sb, Bi, Si, Ge, B or a Metal. , 1995, , 677-724.		1
44	Theoretical Comparison of the Electronic Structures of [PhN <sub>2</sub> ] <sup>+</sup> and [PhP <sub>2</sub> ] <sup>+</sup> – Can the Benzenediphosphonium Cation Exist in the Gas Phase?. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1821-1825.	2.0	0
45	Synthesis and Reactivity of a Stable Crystalline Diastereomerically Pure Trifluoromethanesulfinic Acid Derivative: (S)-(-)-1-Trifluoromethylsulfinyl-(R)-4-phenyloxazolidine-2-one.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
46	Silicon – Mercury Derivatives in Organic Synthesis. <i>ChemInform</i> , 2005, 36, no.	0.0	0
47	New Trends in the Development of C-P Bond Forming Reactions. <i>Current Organic Chemistry</i> , 2021, 25, .	1.6	0
48	From Elusive Monomeric Metaphosphates to Oligomeric Metaphosphate Reagents: New Avenue to Halogen-Free Phosphorylation of Biomolecules. <i>Current Organic Chemistry</i> , 2022, 26, .	1.6	0