

# Alexander B Rozhenko

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

949

citations

17

h-index

27

g-index

93

ext. papers

1,046

ext. citations

3.2

avg, IF

3.8

L-index

#	Paper	IF	Citations
86	Cu-Catalyzed Pyridine Synthesis via Oxidative Annulation of Cyclic Ketones with Propargylamine. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 7315-7325	4.2	2
85	Chemical Profiling, Antioxidant, and Antimicrobial Activity against Drug-Resistant Microbes of Essential Oil from <i>Withania frutescens</i> L.. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5168	2.6	19
84	Synthesis and enantioselectivity properties of stereoisomers of inherently chiral propyloxy-octyloxy-calix[4]arene acetic acids. <i>Tetrahedron</i> , <b>2021</b> , 80, 131894	2.4	6
83	Twisting and Turning the Sulfonamide Bond: A Synthetic, Quantum Chemical, and Crystallographic Study. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 5288-5299	4.2	6
82	Interaction between 2-pyrrolidine-1-hydroxymethane-1,1-diphosphonic acid and palladium(II) in aqueous solutions. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 505, 119503	2.7	
81	Synthesis, molecular docking studies, and larvicidal activity evaluation of new fluorinated neonicotinoids against <i>Anopheles darlingi</i> larvae. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227811	3.7	2
80	Dichlorophosphoranides Stabilized by Formamidinium Substituents. <i>Heteroatom Chemistry</i> , <b>2020</b> , 2020, 1-6	1.2	
79	β-Ketophosphonates in the Synthesis of β-Amino phosphonates. <i>Current Green Chemistry</i> , <b>2020</b> , 7, 226-238	1.3	3
78	Enhanced preparation of aryl and heteroaryl sulfur pentafluorides using mercury (II) oxide - hydrogen fluoride media as a fluorinating reagent. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 239, 109635	2.1	1
77	Formation of 10/12/14-Membered Rings is Favored over 5/6/7-Membered. An Unexpected Result from Oxazole Chemistry. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 4962-4967	3.2	0
76	Synthesis of 5-(Fluoroalkyl)isoxazole Building Blocks by Regioselective Reactions of Functionalized Halogenoximes. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 15877-15899	4.2	14
75	Transformation Routes of PV- and PIII-N-Substituted Acyclic Diaminocarbenes. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1621-1632	2.3	1
74	Complexation of dichloro(ethylenediamine)palladium(II) with 1-hydroxyethylidene-1,1-diphosphonic acid. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 474, 96-103	2.7	8
73	Synthesis of 4-Heteroaryl isoxazoles from Amino Acid-Derived Halogenoximes and Push-Pull Enamines. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 5585-5595	3.2	3
72	On structure and stability of pyrimidine ylidenes and their homologues. <i>Computational and Theoretical Chemistry</i> , <b>2017</b> , 1103, 83-91	2	7
71	Synthesis of 2-polyfluoroalkyl-2,3-dihydro-1,3,4-thiadiazoles via regioselective [3+2] cycloaddition of nitrile imines to polyfluoroalkanethioamides. <i>Chemistry of Heterocyclic Compounds</i> , <b>2017</b> , 53, 1268-1276	1.4	6
70	Diastereoselective reaction of 1,3-dihydroxy calixarene with acylisocyanates: new and easy approach for preparing inherently chiral calyx[4]arenes. <i>Structural Chemistry</i> , <b>2016</b> , 27, 261-272	1.8	4

- 69 Synthesis of a new photoresponsive molecular carcerand. *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 331, 165-174 4.7 5
- 68 Molecular and electronic structure of 1,3,2-diazaphosphinine derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 399-404 1 2
- 67 Zwitterionic Phosphoranides as Intermediates in the Reaction of Phosphorus Tribromide with N,N-Dimethyl-N<sup>2</sup>-arylformamidines. *Heteroatom Chemistry*, **2016**, 27, 12-22 1.2 7
- 66 Stereoselective synthesis of six stereoisomers of inherently chiral methoxy-propoxy-butoxy-methoxycarbonylmethoxy-tert-butylcalix[4]arene. *Tetrahedron Letters*, **2015**, 56, 4788-4791 2 6
- 65 1,2-migration in N-phosphano functionalized N-heterocyclic carbenes. *Journal of Computational Chemistry*, **2015**, 36, 42-8 3.5 2
- 64 On the reaction of diaminocarbenes with aroylimines. *Journal of Organic Chemistry*, **2015**, 80, 1387-94 4.2 2
- 63 Investigation of N- and C-Phosphanylation of [1,2,4]Triazolo[4,3-a]pyridines. *Heteroatom Chemistry*, **2015**, 26, 277-289 1.2 2
- 62 A Convenient Approach to N-(Di-tert-butylphosphanyl)- and N-(Di-tert-butylphosphoroselenoyl)formamidinium Salts: Carbene Precursors. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1192-1203 2.3 4
- 61 1-Oxo-1-fluoro-1,2,4-benzothiadiazines: A new type of cyclic sulfonimidoyl fluorides. *Journal of Fluorine Chemistry*, **2014**, 160, 16-19 2.1 6
- 60 On the stability of perfluoroalkyl-substituted singlet carbenes: a coupled-cluster quantum chemical study. *Journal of Physical Chemistry A*, **2014**, 118, 1479-88 2.8 3
- 59 Stable N-Phosphanyl Acyclic Diaminocarbenes. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3259-3270 3.27012
- 58 Density Functional Theory Calculations of Enzyme Inhibitor Interactions in Medicinal Chemistry and Drug Design. *Challenges and Advances in Computational Chemistry and Physics*, **2014**, 207-240 0.7 3
- 57 Electrophilic intramolecular cyclization of functional derivatives of unsaturated compounds: VI. Reaction of 2-(cyclohex-2-en-1-yl)acetanilides with arylsulfanyl chlorides. Structural and quantum chemical study of isomerization of 2-(2-arylsulfanyl-3-chlorocyclohexyl)acetanilides. *Russian Journal of Organic Chemistry*, **2014**, 50, 1397-1408 0.7 2
- 56 Intermediate carbene formation in the reaction of thioamides with phosphorus (III) derivatives: Quantum chemical investigation. *International Journal of Quantum Chemistry*, **2014**, 114, 241-248 2.1 3
- 55 Simple Route to Adducts of (Amino)(aryl)carbene with Phosphorus Pentafluoride. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4154-4158 2.3 8
- 54 Molecular and electronic structure of triethylammonium salt of N-[(1-acetyl-2-oxopropyl)(phenyl)- $\lambda$ -sulfanylidene]ethanesulfonamide. *Journal of Sulfur Chemistry*, **2013**, 34, 421-431 2.3
- 53 Anion- $\pi$ Interactions in adducts of anionic guests with octahydroxy-pyridine[4]arene: theoretical and experimental elucidation. *New Journal of Chemistry*, **2013**, 37, 356-365 3.6 6
- 52 Perfluorophenylcalix[4]arenes: prospective hosts for nucleophilic guests. Synthesis, structure and quantum chemical calculations. *Tetrahedron Letters*, **2013**, 54, 3496-3499 2 6

51	Enantioselective Recognition of Amino Acids by Enantiomerically Pure Calix[4]arene Carboxylic Acid or Their Diastereomerically Pure N-(1-Phenyl)ethyl Amides. <i>Macrocyclics</i> , <b>2013</b> , 6, 227-233	2.2	5
50	( $\beta,\beta$ )-Phosphoranes versus ( $\beta,\beta$ )-thiaphosphiranes: quantum chemical investigation of products of phosphalkene sulfurization. <i>Journal of Computational Chemistry</i> , <b>2012</b> , 33, 1023-8	3.5	3
49	Cyclochiral resorcin[4]arenes as effective enantioselectors in the gas phase. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 72-8	2.2	20
48	Efficient asymmetric synthesis of trifluoromethylated $\beta$ -aminophosphonates and their incorporation into dipeptides. <i>Chemical Communications</i> , <b>2012</b> , 48, 11519-21	5.8	73
47	Island Homoaromaticity in the W-Shaped 2,4-Diphospha-3-arsapentadienide Anion and Related Compounds: Theoretical and Experimental Investigations. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 2502-2507	2.3	4
46	Photodissociation of methyl iodide embedded in a host-guest complex: a full dimensional (189D) quantum dynamics study of CH <sub>3</sub> I@resorc[4]arene. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 184102	3.9	44
45	2,3-Dihydro-1H-naphtho[1,8-de][1,3]diphosphinines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 841-844	1	2
44	Compounds Featuring the Structural Fragment P-C-P. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 621-625	1	2
43	Cyclization of C-phosphorylated (PIII) arylformamidines to 3H-1,3-benzazaphospholes. <i>Tetrahedron</i> , <b>2011</b> , 67, 7748-7758	2.4	42
42	Different ways of coordination for aminoalkyldiphosphonic acids in palladium(II) complexes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2011</b> , 37, 941-948	1.6	2
41	Interaction of K <sub>2</sub> PdCl <sub>4</sub> with aminoalkyldiphosphonic acids. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 1494-1500	1.5	3
40	Synthesis and Some Chemical Properties of a 1,2 $\beta\beta$ -Thiaphosphirane. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 1762-1767	2.3	9
39	An Unusual Intramolecular P-P Cyclization of The P-C-P System in Phosphaphenalenenes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 758-760	1	1
38	Halogen migration vs. hydrogen halogenide elimination in reactions of 1-chloro-2,2,2-trifluoroethansulfonyl chloride and 1,2,2,2-tetrafluoroethansulfonyl fluoride with amines: theoretical and experimental investigation. <i>Journal of Fluorine Chemistry</i> , <b>2010</b> , 131, 254-260	2.1	2
37	Stable gem-trifluoromethyl anionic $\beta$ -complexes based on 1,3,5-tris(sulfonyl)benzene derivatives and their transformations. <i>Journal of Fluorine Chemistry</i> , <b>2010</b> , 131, 1344-1352	2.1	9
36	Synthesis of 1,3-Diphospha-2,3-dihydro-1H-phenalenenes. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 1552-1558	2.3	6
35	Asymmetric induction in thia-Diels-Alder reactions of chiral polyfluoroalkylthionocarboxylates. <i>Journal of Fluorine Chemistry</i> , <b>2010</b> , 131, 172-183	2.1	23
34	Structure of palladium(II) complexes with nitrilotrimethylenephosphonic acid in aqueous solutions according to <sup>31</sup> P and <sup>1</sup> H NMR data. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2009</b> , 35, 674-680	1.6	1

33	Specificity of $^{13}\text{C}$ NMR Shielding Calculations in Thiocarbonyl Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2009</b> , 184, 1386-1405	1	7
32	Reversible transformation of a stable monomeric silicon(II) compound into a stable disilene by phase transfer: experimental and theoretical studies of the system $\{[(\text{Me}_3\text{Si})_2\text{N}](\text{Me}_5\text{C}_5\text{Si})\}_n$ with $n = 1, 2$ . <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12137-43	16.4	56
31	Photochromic resorcin[4]arenes: stabilization of intramolecular anthracene dimers in solution. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 1187-94	4.2	9
30	Dialkylamido Sulfoxylic Acid Fluorides, I: Synthesis and Reactions with Olefins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2009</b> , 184, 1149-1160	1	4
29	A kinetic study of guest displacement reactions on a host-guest complex with a photoswitchable calixarene. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 1553-64	2.2	10
28	Kemp $\beta$ triacid attached to octa-O-methyl resorc[4]arenes: conformations in solution and comparative binding studies with various 2-amino pyridines. <i>Tetrahedron</i> , <b>2008</b> , 64, 3813-3825	2.4	5
27	Palladium(II) complexes with 1-hydroxyethylidene-1,1-diphosphonic acid. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2008</b> , 34, 493-498	1.6	4
26	Dissociation of the P=C Ylidic Bond. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 254-258	2.3	8
25	Calix[4]arenequinazolinones. Synthesis and structure. <i>Tetrahedron</i> , <b>2007</b> , 63, 11451-11457	2.4	6
24	Calixarenes as hosts for ammonium cations: a quantum chemical study and mass-spectrometric investigations. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 8995-9000	4.8	17
23	Reduction of 4-fluoro-5-(1,1,2,2-tetrafluoroethyl)-3H-1,2-dithiole-3-thione with sodium sulfide: Synthesis of fluoro-containing sulfur-rich heterocycles. <i>Journal of Fluorine Chemistry</i> , <b>2006</b> , 127, 774-779 <sup>2.1</sup>		11
22	On the ligand properties of the P- versus the N-heterocyclic carbene for a Grubbs catalyst in olefin metathesis. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 6079-6088	2.3	19
21	Conformational features of calix[4]arenes with alkali metal cations: A quantum chemical investigation with density functional theory. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 732, 7-20		24
20	Conjugation in Phosphabutadienes: Ab initio Investigation and NMR Spectral Manifestation: II. Magnetic Shielding in Iminophosphines and Heterobutadienes Derived from Them. <i>Russian Journal of General Chemistry</i> , <b>2004</b> , 74, 500-514	0.7	3
19	Encapsulated guest molecules in the dimer of octahydroxypyridine[4]arene. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9669-74	16.4	40
18	On the electronic structures of the 1,3-diboracyclobutane-1,3-diyls and their valence isomers with a B $_2$ E $_2$ skeleton (E=N, P, As). <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 3611-7	4.8	43
17	(Phosphino)(aryl)carbenes: effect of aryl substituents on their stabilization mode. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 124-30	16.4	36
16	Stable non-push-pull phosphanylcarbenes: NMR spectroscopic characterization of a methylcarbene. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2835-7	16.4	43

15	Donor-acceptor interactions with electrophilic terminal phosphinidene complexes. <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 643-644, 223-230	2.3	23
14	On the d6-Transition Metal Complex Formation of Electron-Rich Methylene phosphanes, a Quantum Chemical Investigation. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 2891	2.3	3
13	. <i>European Journal of Inorganic Chemistry</i> , <b>2000</b> , 2000, 375-381	2.3	20
12	Conjugation in phosphabutadienes: ab initio investigation and NMR spectral manifestation. <i>Computational and Theoretical Chemistry</i> , <b>2000</b> , 498, 1-20		3
11	On the Transition Metal Complexation (Fischer-Type) of Phosphanlycarbenes. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 10115-10120	16.4	44
10	On the Bonding Properties of Diphosphanlymethanide Complexes with the Group-14 Elements Silicon, Germanium, Tin, and Lead in Their Divalent Oxidation States. <i>European Journal of Inorganic Chemistry</i> , <b>1999</b> , 1999, 1155-1159	2.3	7
9	Geometric and Electronic Structure of Carbocene, (C5R5)2C, versus Silicocene, (C5R5)2Si (R = H, Me) <i>Organometallics</i> , <b>1999</b> , 18, 2099-2106	3.8	13
8	1,2-Diphosphetes with Unusual Structures [A Quantum Chemical Investigation of Bonding Properties?]. <i>European Journal of Inorganic Chemistry</i> , <b>1998</b> , 1998, 951-955	2.3	5
7	Structure of Low-Coordinated Phosphorus (III) Compounds Including Phosphorus-Nitrogen Multiple Bond: 13C, 15N and 31P NMR Investigation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1996</b> , 111, 18-18	1	
6	On the reaction of 1,1-dichloropolyfluoroalkylsulfenyl chlorides with lithium hexamethyldisilylamide. <i>Journal of Fluorine Chemistry</i> , <b>1994</b> , 66, 7-8	2.1	0
5	Reactions of cycloalkanecarboxylic acids with SF4. II. Fluorination of gem-dichlorocyclopropanecarboxylic acids with SF4. <i>Journal of Fluorine Chemistry</i> , <b>1994</b> , 69, 231-236	2.1	6
4	Multinuclear NMR spectroscopy and semi-empirical MNDO-PM3 quantum chemical investigations of the compounds C6H5XY (X=S, SO, SO2; Y=CF3, CH3). <i>Journal of Fluorine Chemistry</i> , <b>1994</b> , 69, 41-49	2.1	12
3	Reactions of chlorophosphonium salts with 1,1,3,3-tetraalkyl-2-trimethylsilylguanidines. Molecular structures of new heterocyclic systems: [R2NPN{C(NR2)2}]22+ and [R2NP{N[C(NR2)2]}]2AlCl3. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 963		4
2	Asymmetric Synthesis of Organoelement Analogues of Natural Products; Part 12: General Method for the Asymmetric Synthesis of Fluorine-Containing Phenylalanines and Methyl(phenyl)alanines via Alkylation of the Chiral Nickel(II) Schiff Base Complexes of Glycine and Alanine. <i>Synthesis</i> , <b>1993</b> , 117-120	2.9	35
1	A new procedure for the synthesis of alkyl perfluoroalkanedithiocarboxylates. <i>Journal of Fluorine Chemistry</i> , <b>1991</b> , 55, 329-333	2.1	15