Alexander B Rozhenko

List of Publications by Year
in descending order

88	1,134	393982	454577
papers	citations	19 h-index	30 g-index

93	93	93	1022
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient asymmetric synthesis of trifluoromethylated Î²-aminophosphonates and their incorporation into dipeptides. Chemical Communications, 2012, 48, 11519.	2.2	75
2	Reversible Transformation of a Stable Monomeric Silicon(II) Compound into a Stable Disilene by Phase Transfer: Experimental and Theoretical Studies of the System {[(Me3Si)2N](Me5C5)Si }n with n = 1,2. Journal of the American Chemical Society, 2009, 131, 12137-12143.	6.6	61
3	Stable Non-Pushâ€“Pull Phosphanylcarbenes: NMR Spectroscopic Characterization of a Methylcarbene. Angewandte Chemie - International Edition, 2002, 41, 2835-2837.	7.2	53
4	On the Electronic Structures of the 1,3-Diboracyclobutane-1,3-diyls and Their Valence Isomers with a B2E2 Skeleton (E=N, P, As). Chemistry - A European Journal, 2003, 9, 3611-3617.	1.7	53
5	On the Transition Metal Complexation (Fischer-Type) of Phosphanylcarbenes. Journal of the American Chemical Society, 2000, 122, 10115-10120.	6.6	51
6	Photodissociation of methyl iodide embedded in a host-guest complex: A full dimensional (189D) quantum dynamics study of CH3I@resorc[4]arene. Journal of Chemical Physics, 2011, 135, 184102.	1.2	50
7	Cyclization of C-phosphorylated (PIII) arylformamidines to 3H-1,3-benzazaphospholes. Tetrahedron, 2011, 67, 7748-7758.	1.0	44
8	Encapsulated Guest Molecules in the Dimer of Octahydroxypyridine[4]arene. Journal of the American Chemical Society, 2004, 126, 9669-9674.	6.6	41
9	Asymmetric Synthesis of Organoelement Analogues of Natural Products; Part 12: General Method for the Asymmetric Synthesis of Fluorine-Containing Phenylalanines and Î±-Methyl(phenyl)alanines via Alkylation of the Chiral Nickel(II) Schiff's Base Complexes of Glycine and Alanine. Synthesis, 1993, 1993, 117-120.	1.2	39
10	(Phosphino)(Aryl)Carbenes:Â Effect of Aryl Substituents on Their Stabilization Mode. Journal of the American Chemical Society, 2003, 125, 124-130.	6.6	39
11	Chemical Profiling, Antioxidant, and Antimicrobial Activity against Drug-Resistant Microbes of Essential Oil from Withania frutescens L.. Applied Sciences (Switzerland), 2021, 11, 5168.	1.3	30
12	Donorâ€“acceptor interactions with electrophilic terminal phosphinidene complexes. Journal of Organometallic Chemistry, 2002, 643-644, 223-230.	0.8	28
13	Asymmetric induction in thia-Diels-Alder reactions of chiral polyfluoroalkylthionocarboxylates. Journal of Fluorine Chemistry, 2010, 131, 172-183.	0.9	26
14	Synthesis of 5-(Fluoroalkyl)isoxazole Building Blocks by Regioselective Reactions of Functionalized Halogenoximes. Journal of Organic Chemistry, 2019, 84, 15877-15899.	1.7	26
15	Conformational features of calix[4]arenes with alkali metal cations: A quantum chemical investigation with density functional theory. Computational and Theoretical Chemistry, 2005, 732, 7-20.	1.5	24
16	Cyclochiral resorcin[4]arenes as effective enantioselectors in the gas phase. Journal of Mass Spectrometry, 2012, 47, 72-78.	0.7	22
17	Pentacoordination at Fluoro-Substituted Silanes by Weak Lewis Donor Addition. European Journal of Inorganic Chemistry, 2000, 2000, 375-381.	1.0	20
18	On the ligand properties of the P- versus the N-heterocyclic carbene for a Grubbs catalyst in olefin metathesis. Journal of Organometallic Chemistry, 2005, 690, 6079-6088.	0.8	19

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19	Calixarenes as Hosts for Ammonium Cations: A Quantum Chemical Study and Mass-Spectrometric Investigations. Chemistry - A European Journal, 2006, 12, 8995-9000.	1.7	19
20	A new procedure for the synthesis of alkyl perfluoroalkanedithiocarboxylates. Journal of Fluorine Chemistry, 1991, 55, 329-333.	0.9	16
21	Geometric and Electronic Structure of Carbocene, (C5R5)2C, versus Silicocene, (C5R5)2Si (R = H, Me). Organometallics, 1999, 18, 2099-2106.	1.1	16
22	Multinuclear NMR spectroscopy and semi-empirical MNDO-PM3 quantum chemical investigations of the compounds C6H5XY (X=S, SO, SO2; Y=CF3, CH3). Journal of Fluorine Chemistry, 1994, 69, 41-49.	0.9	15
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. Journal of Fluorine Chemistry, 2006, 127, 774-779.	0.9	13
24	A kinetic study of guest displacement reactions on a hostâ€“guest complex with a photoswitchable calixarene. Journal of Mass Spectrometry, 2008, 43, 1553-1564.	0.7	13
25	Stable Nâ€Phosphanyl Acyclic Diaminocarbenes. European Journal of Inorganic Chemistry, 2014, 2014, 3259-3270.	1.0	13
26	On structure and stability of pyrimidine ylidenes and their homologues. Computational and Theoretical Chemistry, 2017, 1103, 83-91.	1.1	12
27	Synthesis, molecular docking studies, and larvicidal activity evaluation of new fluorinated neonicotinoids against Anopheles darlingiÂlarvae. PLoS ONE, 2020, 15, e0227811.	1.1	12
28	Cu-Catalyzed Pyridine Synthesis via Oxidative Annulation of Cyclic Ketones with Propargylamine. Journal of Organic Chemistry, 2021, 86, 7315-7325.	1.7	12
29	Kemp's triacid attached to octa-O-methyl resorc[4]arenes: conformations in solution and comparative binding studies with various 2-amino pyridines. Tetrahedron, 2008, 64, 3813-3825.	1.0	10
30	Photochromic resorcin[4]arenes: stabilization of intramolecular anthracene dimers in solution. Photochemical and Photobiological Sciences, 2009, 8, 1187-1194.	1.6	10
31	Synthesis and Some Chemical Properties of a 1,2Î»3Ïƒ3-Thiaphosphirane. European Journal of Inorganic Chemistry, 2011, 2011, 1762-1767.	1.0	10
32	Simple Route to Adducts of (Amino)(aryl)carbene with Phosphorus Pentafluoride. European Journal of Inorganic Chemistry, 2013, 2013, 4154-4158.	1.0	10
33	Complexation of dichloro(ethylenediamine)palladium(II) with 1-hydroxyethylidene-1,1-diphosphonic acid. Inorganica Chimica Acta, 2018, 474, 96-103.	1.2	10
34	Reactions of cycloalkanecarboxylic acids with SF4. II. Fluorination of gem-dichlorocyclopropanecarboxylic acids with SF4. Journal of Fluorine Chemistry, 1994, 69, 231-236.	0.9	9
35	Dissociation of the P=C Ylidic Bond. European Journal of Inorganic Chemistry, 2007, 2007, 254-258.	1.0	9
36	Stable gem-trifluoromethyl anionic Ïƒ-complexes based on 1,3,5-tris(sulfonyl)benzene derivatives and their transformations. Journal of Fluorine Chemistry, 2010, 131, 1344-1352.	0.9	9

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37	On the Bonding Properties of Diphosphanylmethanide Complexes with the Group-14 Elements Silicon, Germanium, Tin, and Lead in Their Divalent Oxidation States. European Journal of Inorganic Chemistry, 1999, 1999, 1155-1159.	1.0	8
38	Zwitterionic Phosphoranides as Intermediates in the Reaction of Phosphorus Tribromide with N,Nâ€Dimethylâ€Nâ€²â€arylformamidines. Heteroatom Chemistry, 2016, 27, 12-22.	0.4	8
39	Synthesis of 2-polyfluoroalkyl-2,3-dihydro-1,3,4-thiadiazoles via regioselective [3+2] cycloaddition of nitrile imines to polyfluoroalkanethioamides. Chemistry of Heterocyclic Compounds, 2017, 53, 1268-1276.	0.6	8
40	Synthesis of 4â€Hetarylisoxazoles from Amino Acidâ€Derived Halogenoximes and Pushâ€Pull Enamines. European Journal of Organic Chemistry, 2018, 2018, 5585-5595.	1.2	8
41	Enhanced preparation of aryl and heteryl sulfur pentafluorides using mercury (II) oxide - hydrogen fluoride media as a fluorinating reagent. Journal of Fluorine Chemistry, 2020, 239, 109635.	0.9	8
42	Twisting and Turning the Sulfonamide Bond: A Synthetic, Quantum Chemical, and Crystallographic Study. Journal of Organic Chemistry, 2020, 85, 5288-5299.	1.7	8
43	1,2-Diphosphetes with Unusual Structures â€“ A Quantum Chemical Investigation of Bonding Propertiesâ€†. European Journal of Inorganic Chemistry, 1998, 1998, 951-955.	1.0	7
44	Calix[4]arenequinazolinones. Synthesis and structure. Tetrahedron, 2007, 63, 11451-11457.	1.0	7
45	Specificity of¹³C NMR Shielding Calculations in Thiocarbonyl Compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1386-1405.	0.8	7
46	1-Oxo-1-fluoro-1,2,4-benzothiadiazinesâ€”A new type of cyclic sulfonimidoyl fluorides. Journal of Fluorine Chemistry, 2014, 160, 16-19.	0.9	7
47	Stereoselective synthesis of six stereoisomers of inherently chiral methoxy-propoxy-butoxy-methoxycarbonylmethoxy-tert-butylcalix[4]arene. Tetrahedron Letters, 2015, 56, 4788-4791.	0.7	7
48	Synthesis and enantiorecognition properties of stereoisomeres of inherently chiral propyloxy-octyloxy-calix[4]arene acetic acids. Tetrahedron, 2021, 80, 131894.	1.0	7
49	Synthesis of 1,3-Diphospha-2,3-dihydro-1H-phenalenes. European Journal of Inorganic Chemistry, 2010, 2010, 1552-1558.	1.0	6
50	Island Homoaromaticity in the Wâ€Shaped 2,4â€Diphosphaâ€3â€arsapentadienide Anion and Related Compounds â€“ Theoretical and Experimental Investigations. European Journal of Inorganic Chemistry, 2012, 2012, 2502-2507.	1.0	6
51	Anionâ€“Ï€ interactions in adducts of anionic guests with octahydroxy-pyridine[4]arene: theoretical and experimental elucidation. New Journal of Chemistry, 2013, 37, 356-365.	1.4	6
52	Perfluorophenylcalix[4]arenes: prospective hosts for nucleophilic guests. Synthesis, structure and quantum chemical calculations. Tetrahedron Letters, 2013, 54, 3496-3499.	0.7	6
53	On the Stability of Perfluoroalkyl-Substituted Singlet Carbenes: A Coupled-Cluster Quantum Chemical Study. Journal of Physical Chemistry A, 2014, 118, 1479-1488.	1.1	6
54	Synthesis of a new photoresponsive molecular carcerand. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 165-174.	2.0	6

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55	Enantioselective Recognition of Amino Acids by Enantiomerically Pure Calix[4]arene Carboxylic Acid or Their Diastereomerically Pure N-(1-Phenyl)Âethyl Amides. Macroheterocycles, 2013, 6, 227-233.	0.9	6
56	Reactions of chlorophosphenium salts with 1,1,3,3-tetraalkyl-2-trimethylsilylguanidines. Molecular structures of new heterocyclic systems: [R2NPN{C(NR2)2}]2 2+ and [R2NP{N[C(NR2)2]}]2AlCl3. Journal of the Chemical Society Chemical Communications, 1993, , 963.	2.0	5
57	Density Functional Theory Calculations of Enzymeâ€“Inhibitor Interactions in Medicinal Chemistry and Drug Design. Challenges and Advances in Computational Chemistry and Physics, 2014, , 207-240.	0.6	5
58	Diastereoselective reaction of 1,3-dihydroxy calixarene with acylisocyanates: new and easy approach for preparing inherently chiral calyx[4]arenes. Structural Chemistry, 2016, 27, 261-272.	1.0	5
59	Latent Nucleophilic Carbenes. Journal of Organic Chemistry, 2022, 87, 373-385.	1.7	5
60	Conjugation in phosphabutadienes: ab initio investigation and NMR spectral manifestation. Computational and Theoretical Chemistry, 2000, 498, 1-20.	1.5	4
61	On the d6-Transition Metal Complex Formation of Electron-Rich Methylenephosphanes, a Quantum Chemical Investigation. European Journal of Inorganic Chemistry, 2001, 2001, 2891.	1.0	4
62	Palladium(II) complexes with 1-hydroxyethylidene-1,1-diphosphonic acid. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2008, 34, 493-498.	0.3	4
63	Dialkylamido Sulfoxylic Acid Fluorides, I: Synthesis and Reactions with Olefins. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1149-1160.	0.8	4
64	(Ïƒ³,Î»⁵)â€phosphoranes versus (Ïƒ³_,Î»³)â€thiaphosphiranes: Quantum chemical investigation of products of phosphaalkene sulfurization. Journal of Computational Chemistry, 2012, 33, 1023-1028.	1.5	4
65	A Convenient Approach toN-(Di-tert-butylphosphanyl)-andN-(Di-tert-butylphosphoroselenoyl)formamidinium Salts: Carbene Precursors. European Journal of Inorganic Chemistry, 2014, 2014, 1192-1203.	1.0	4
66	Î±-Ketophosphonates in the Synthesis of Î±-iminophosphonates. Current Green Chemistry, 2020, 7, 226-238.	0.7	4
67	Conjugation in Phosphabutadienes: Ab initio Investigation and NMR Spectral Manifestation: II. Magnetic Shielding in Iminophosphines and Heterobutadienes Derived from Them. Russian Journal of General Chemistry, 2004, 74, 500-514.	0.3	3
68	Interaction of K2PdCl4 with aminoalkyldiphosphonic acids. Russian Journal of Inorganic Chemistry, 2011, 56, 1494-1500.	0.3	3
69	Intermediate carbene formation in the reaction of thioamides with phosphorus (III) derivatives: Quantum chemical investigation. International Journal of Quantum Chemistry, 2014, 114, 241-248.	1.0	3
70	1,2-migration inN-phosphano functionalizedN-heterocyclic carbenes. Journal of Computational Chemistry, 2015, 36, 42-48.	1.5	3
71	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. Journal of Fluorine Chemistry, 2010, 131, 254-260.	0.9	2
72	2,3-Dihydro-1H-naphtho[1,8-de][1,3]diphosphinines. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 841-844.	0.8	2

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73	Compounds Featuring the Structural Fragment P-C-P. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 621-625.	0.8	2
74	Different ways of coordination for aminoalkyldiphosphonic acids in palladium(II) complexes. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 941-948.	0.3	2
75	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.	0.3	2
76	On the Reaction of Diaminocarbenes with Aroylimines. Journal of Organic Chemistry, 2015, 80, 1387-1394.	1.7	2
77	Investigation of Nâ€•and Câ€Phosphanylation of [1,2,4]Triazolo[4,3â€a]pyridines. Heteroatom Chemistry, 2015, 26, 277-289.	0.4	2
78	Molecular and electronic structure of 1,3,2-diazaphosphinine derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 399-404.	0.8	2
79	Transformation Routes of P V â€•and P III â€•N â€Substituted Acyclic Diaminocarbenes. European Journal of Inorganic Chemistry, 2019, 2019, 1621-1632.	1.0	2
80	On the reaction of 1,1-dichloropolyfluoroalkylsulfenyl chlorides with lithium hexamethyldisilylamide. Journal of Fluorine Chemistry, 1994, 66, 7-8.	0.9	1
81	Structure of palladium(II) complexes with nitrilotrimethylenephosphonic acid in aqueous solutions according to 31P and 1H NMR data. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2009, 35, 674-680.	0.3	1
82	An Unusual Intramolecular P-P Cyclization of The P-C-P System in Phosphaphenalenes. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 758-760.	0.8	1
83	Formation of 10/12/14â€Membered Rings is Favored over 5/6/7â€Membered. An Unexpected Result from Oxazole Chemistry. European Journal of Organic Chemistry, 2019, 2019, 4962-4967.	1.2	1
84	Stable Carbenes as Structural Components of Partially Saturated Sulfur-Containing Heterocycles. Molecules, 2022, 27, 1458.	1.7	1
85	Structure of Low-Coordinated Phosphorus (III) Compounds Including Phosphorus-Nitrogen Multiple Bond: 13C, 15N and 31P NMR Investigation. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 111, 18-18.	0.8	0
86	Molecular and electronic structure of triethylammonium salt of N-[(1-acetyl-2-oxopropyl)(phenyl)-Î»4-sulfanylidene]ethanesulfonamide. Journal of Sulfur Chemistry, 2013, 34, 421-431.	1.0	0
87	Interaction between 2-pyrrolidine-1-hydroxymethane-1,1-diphosphonic acid and palladium(II) in aqueous solutions. Inorganica Chimica Acta, 2020, 505, 119503.	1.2	0
88	Dichlorophosphoranides Stabilized by Formamidinium Substituents. Heteroatom Chemistry, 2020, 2020, 1-6.	0.4	0