

Valery K Brel

List of Publications by Year in descending order

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27
g-index

101
all docs

101
docs citations

101
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	“Two-in-one” organic-inorganic hybrid Mn ^{II} complexes exhibiting dual-emissive phosphorescence. Dalton Transactions, 2018, 47, 7306-7315.	1.6	56
2	Chemistry of xenon derivatives. Synthesis and chemical properties. Russian Chemical Reviews, 2001, 70, 231-264.	2.5	49
3	Alkenyliodonium salts. Russian Chemical Reviews, 2000, 69, 105-120.	2.5	47
4	Phosphorylated allenes: structure and interaction with electrophiles. Russian Chemical Reviews, 1997, 66, 205-224.	2.5	46
5	New one-pot method for the stereoselective synthesis of (E)-[² -(trifluoromethylsulfonyloxy)-alkenyl](Aryl) iodonium triflates. Tetrahedron, 1997, 53, 13139-13148.	1.0	45
6	Luminescence of the Mn ²⁺ ion in non- <i>Oh</i> and <i>T_d</i> coordination environments: the missing case of square pyramid. Dalton Transactions, 2019, 48, 16448-16456.	1.6	40
7	A red-emitting Mn(II)-based coordination polymer build on 1,2,4,5-tetrakis(diphenylphosphinyl)benzene. Inorganic Chemistry Communication, 2019, 107, 107473.	1.8	34
8	Synthesis of camphecene derivatives using click chemistry methodology and study of their antiviral activity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2181-2184.	1.0	33
9	Synthesis and Diels-Alder Reactions of Dienophiles with Pentafluoro- ⁶ -sulfanyl (SF ₅) Moiety. Synthesis, 2006, 2006, 339-343.	1.2	28
10	Manganese(II) Thiocyanate Complexes with Bis(phosphine Oxide) Ligands: Synthesis and Excitation Wavelength-Dependent Multicolor Luminescence. European Journal of Inorganic Chemistry, 2020, 2020, 695-703.	1.0	28
11	Peripheral functionalisation of a stable phthalocyanine J-type dimer to control the aggregation behaviour and NLO properties: UV-Vis, fluorescence, DFT, TDHF and thermal study. RSC Advances, 2015, 5, 8239-8247.	1.7	27
12	Phosphonoallenes for building organophosphorus derivatives. Heteroatom Chemistry, 2006, 17, 547-556.	0.4	22
13	Coordination and extraction of lanthanides(III) with tripodal ligands on the triphenylphosphine oxide platform: Effect of uncoordinating substituents. Polyhedron, 2018, 142, 71-82.	1.0	22
14	Synthesis and Cyclization of Diethylphosphono-Substituted $\hat{\pm}$ -Allenic Alcohols to 4-(Diethylphosphono)-2,5-dihydrofurans. Synthesis, 1999, 1999, 463-466.	1.2	21
15	Synthesis of new pentafluorosulfanylacrylates (F ₅ SCHCHCHO, F ₅ SCHCHCN, F ₅ SCHCHCOOCH ₃) and use of them as dienophiles in Diels-Alder reaction. Journal of Fluorine Chemistry, 2007, 128, 862-867.	0.9	21
16	1, ω -Perfluoroalkylation of aromatics via bis-decarboxylation of perfluorodicarboxylic acids with xenon difluoride. Journal of Organic Chemistry, 1993, 58, 6922-6923.	1.7	20
17	A Convenient Synthesis of 4-Halo-3-(hydroxymethyl)-2,5-dihydro-1,2-oxaphospholes. Synthesis, 1998, 1998, 710-712.	1.2	19
18	Synthesis of Camphecene and Cytisine Conjugates Using Click Chemistry Methodology and Study of Their Antiviral Activity. Chemistry and Biodiversity, 2019, 16, e1900340.	1.0	19

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19	Synthesis and molecular structure of new acyclic analogues of nucleotides with a 1,2-alkadienic skeleton. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 4220.	1.5	18
20	Deep-red phosphorescent organic-inorganic hybrid Mn(II) complexes based on 2-(diphenylphosphoryl)-N,N-diethylacetamide ligand. <i>Polyhedron</i> , 2018, 148, 184-188.	1.0	18
21	Phenyliodine(III) Sulfate as a New Reagent for Synthesis of Diaryliodonium Salts. <i>Synthesis</i> , 1995, 1995, 775-776.	1.2	17
22	Unusual reactivity of 3-chloro-1-pentafluorosulfanylpropene in nucleophilic substitution reactions. <i>Tetrahedron Letters</i> , 2005, 46, 4777-4779.	0.7	17
23	Synthesis and Epoxidation of 1,3-, 1,4-, and 1,5-Alkadienes with Pentafluoro- δ^6 -sulfanyl (SF5) Groups. <i>Synthesis</i> , 2005, 2005, 1245-1250.	1.2	17
24	Extraction and coordination studies of a carbonyl-phosphine oxide scorpionate ligand with uranyl and lanthanide(III) nitrates: structural, spectroscopic and DFT characterization of the complexes. <i>Dalton Transactions</i> , 2016, 45, 5162-5179.	1.6	16
25	Oxidative properties of xenon (II) compounds. A new, convenient synthesis of [bis(trifluoroacetoxy)iodo]arenes, [bis(trifluoroacetoxy)iodo]perfluoroalkanes and λ^4 -oxo-bridged aryliodoso-derivatives. <i>Tetrahedron</i> , 1997, 53, 1145-1150.	1.0	15
26	Synthesis of 3-Azido-4-(diethoxyphosphoryl)alka-1,3-dienes and Their Transformation to Derivatives of 2 <i>H</i> -Azirine. <i>Synthesis</i> , 2007, 2007, 2674-2680.	1.2	15
27	Low-symmetry A3B type pentachlorocyclotriphosphazene substituted phthalocyanine with improved nonlinear optical properties: Synthesis, spectroscopic and ab initio(TD)DFT study. <i>Dyes and Pigments</i> , 2020, 174, 108095.	2.0	15
28	Alkenylsulfenylchlorides : Synthesis and AdE reactions of 2-alkoxy-2-oxo-3-R-4-chlorothio-1,2-oxaphosphol-3-enes. <i>Tetrahedron Letters</i> , 1994, 35, 8275-8278.	0.7	12
29	New Synthetic Route to 2-(Diethylphosphono)-2H-Azirines. <i>Synthesis</i> , 2002, 2002, 1829.	1.2	12
30	Cyclization of allenyl phosphonates to 3-chloro-4-(diethylphosphono)-2,5-dihydrofurans induced by CuCl ₂ . <i>Mendeleev Communications</i> , 2002, 12, 64-65.	0.6	12
31	Tripodal organophosphorus ligands as synergistic agents in the solvent extraction of lanthanides(III). Structure of mixed complexes and effect of diluents. <i>Polyhedron</i> , 2019, 161, 276-288.	1.0	12
32	Coordination and extraction properties of 1,2-bis(diphenylphosphoryl)-benzene toward f-block element nitrates: Structural, spectroscopic and DFT characterization of the complexes. <i>Polyhedron</i> , 2021, 198, 115085.	1.0	12
33	Induced oxidative rearrangement of non-terminal alkynes by [fluoro(trifluoromethanesulfonyloxy)iodo]benzene to esters of 2-alkyl- and 2-arylalkanoic acids. <i>Mendeleev Communications</i> , 1999, 9, 189-190.	0.6	11
34	1,5-Diaryl-3-oxo-1,4-pentadienes based on (4-oxopiperidin-1-yl)(aryl)methyl phosphonate scaffold: synthesis and antitumor properties. <i>Medicinal Chemistry Research</i> , 2017, 26, 140-152.	1.1	11
35	A dinuclear Re(I) tricarbonyl complex showing thermochromic luminescence. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108058.	1.8	11
36	New Approach toward Dual-Emissive Organic-Inorganic Hybrids by Integrating Mn(II) and Cu(I) Emission Centers in Ionic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31000-31009.	4.0	11

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37	Synthesis of 4-Substituted-4-(Diethylphosphono)-2-Methylbuta-2,3-dien-1-oles. Synthetic Communications, 1999, 29, 3869-3880.	1.1	10
38	Synthesis of 4,5-Dihydroisoxazoles Connected by Short Spacers to the Pentafluoro-6-sulfanyl Group. Synthesis, 2006, 2006, 2665-2670.	1.2	9
39	Levoglucosenone-derived precursors for the stereoselective synthesis of methylene-expanded analogues of C-nucleosides. Mendeleev Communications, 2015, 25, 44-46.	0.6	9
40	Synthesis of Alkene, Alcohols, and Heterocycles Containing the Pentafluorosulfanyl (SF ₅) Grouping. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1284-1287.	0.8	8
41	Click chemistry methodology in the synthesis of anabasine and cytosine conjugates with isoxazole derivatives. Russian Journal of Organic Chemistry, 2016, 52, 54-60.	0.3	8
42	Functionalization of bioactive substrates with a F ₅ SCH ₂ CH ₂ moiety. Journal of Sulfur Chemistry, 2020, 41, 29-43.	1.0	8
43	Synthesis, coordination and extraction properties of 2,3-bis(diphenylphosphoryl)pyridine toward f-block elements. Mendeleev Communications, 2021, 31, 306-308.	0.6	8
44	One-step synthesis of N-sulfonylazepines from sulfonylamides and benzene in the presence of XeF ₂ . Mendeleev Communications, 1998, 8, 68.	0.6	7
45	New synthesis of trimethylsilyl diphenylphosphinite. Mendeleev Communications, 2016, 26, 397-398.	0.6	7
46	Synthesis and antitumor activity of daunorubicin conjugates with of 3,4-methylenedioxybenzaldehyde. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126617.	1.0	7
47	Green- and red-phosphorescent Mn(II) iodide complexes derived from 1,3-bis(diphenylphosphinyl)propane. Polyhedron, 2020, 188, 114706.	1.0	7
48	Introduction of the halonitromethyl framework into aromatic rings via a XeF ₂ mediated radical process. Tetrahedron Letters, 1990, 31, 4799-4800.	0.7	6
49	Xenon fluorosulfates and their AdE-reactions with olefins. Tetrahedron Letters, 1990, 31, 5225-5226.	0.7	6
50	A New Approach to the Synthesis of 3-Substituted 4-(Diethoxyphosphoryl)isoxazoles from 3-Azidoalka-1,3-dienylphosphonates. Synthesis, 2009, 2009, 3405-3410.	1.2	6
51	Synthesis of gem-bisphosphonates with (3-aryl-4,5-dihydroisoxazol-5-yl)methylamino moiety. Mendeleev Communications, 2015, 25, 234-235.	0.6	6
52	The synthesis and extraction properties of new 2-(phosphorylalkyl)- and 2-(phosphorylalkenyl)-substituted 1,8- and 1,6-naphthyridines. Chemistry of Heterocyclic Compounds, 2016, 52, 583-591.	0.6	6
53	Regioselective aza-Michael addition of azoles to 4-(diphenylphosphoryl)but-3-en-2-one. Mendeleev Communications, 2016, 26, 75-76.	0.6	6
54	Xenon difluoride-trimethylsilyl isocyanate-triflic acid as a new system for the amination of aromatic compounds. Mendeleev Communications, 2001, 11, 172-173.	0.6	5

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55	Synthesis of phthalocyanine compounds bearing 2-(diethoxyphosphoryl)-4-methylpenta-1,3-dienyl functional groups. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 343-350.	0.4	5
56	3,5-Bis(Arylidene)-4-Piperidones Modified by Bisphosphonate Groups as Novel Anticancer Agents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 741-746.	0.8	5
57	Novel approach to the design of potential bioactive alkaloid anabasine conjugates using click chemistry methodology. <i>Heteroatom Chemistry</i> , 2016, 27, 245-252.	0.4	5
58	Synthesis and molecular structure of functionalized tris[2-(4-substituted butoxyphenyl)]phosphine oxides as precursors of tripodal ligands. <i>Heteroatom Chemistry</i> , 2018, 29, .	0.4	5
59	Hydrogen bonding in triols on the triphenylphosphine oxide platform in crystal and solution: Effect of linker length. <i>Journal of Molecular Structure</i> , 2020, 1217, 128324.	1.8	5
60	Synthesis and biological evaluation of indolylglyoxylamide bisphosphonates, antimetastatic microtubule-targeting derivatives of indibulin with improved aqueous solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127635.	1.0	5
61	New tripodal ligand on the triphenylphosphine oxide platform with 1,2,3-triazole side arms: synthesis, structure, coordination, and extraction properties. <i>Monatshefte für Chemie</i> , 2020, 151, 1705-1713.	0.9	5
62	SYNTHESIS OF 4-SUBSTITUTED-4-(DIETHYLPHOSPHONO)-BUTA-2,3-DIEN-1-ALS. <i>Synthetic Communications</i> , 2002, 32, 2855-2862.	1.1	4
63	New method for preparation of (2-aminopyridin-4-yl)methanol. <i>Russian Journal of Organic Chemistry</i> , 2015, 51, 744-745.	0.3	4
64	Reaction of cytosine with alka-1,3- and -2,3-dien-2-ylphosphonates. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1804-1811.	0.3	4
65	New synthesis of trimethylsilyldiphenylphosphinite. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1462-1463.	0.8	4
66	Synthesis of hybrid compounds composed of daunorubicin covalently linked with Cp ₂ Fe and CpMn(CO) ₃ . <i>Mendeleev Communications</i> , 2017, 27, 608-609.	0.6	4
67	Synthesis, coordination and extraction properties of 2,3-bis(diphenylphosphoryl)pyridine toward f-block elements. <i>Mendeleev Communications</i> , 2021, 31, 306-308.	0.6	4
68	Interaction of trimethylsilyl isocyanate with xenon difluoride and fluoroxenonium triflate in the presence of alkenes. <i>Mendeleev Communications</i> , 2001, 11, 171-172.	0.6	3
69	Synthesis of diethyl (aryl)(4-oxopiperidin-1-yl)methylphosphonates. <i>Mendeleev Communications</i> , 2015, 25, 232-233.	0.6	3
70	Reaction of vinyl- and allenylphosphorylated compounds with cytosine in aqueous medium. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2592-2595.	0.3	3
71	Synthesis of new daunorubicin N-derivatives by one-step reductive amination. <i>Russian Journal of General Chemistry</i> , 2017, 87, 1323-1326.	0.3	3
72	A New Approach to the Synthesis of Acyclic Nucleotide Phosphonate Analogues with Triple or Double Bonds. <i>Synthesis</i> , 2012, 44, 2359-2364.	1.2	2

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73	Reaction of diphenylphosphinoyllallene derivatives of cytosine. Russian Journal of General Chemistry, 2017, 87, 1731-1736.	0.3	2
74	1,4-Unsubstituted 2-phosphorylated vinylacetylenes as valuable phosphorus-containing dipolarophiles. Mendeleev Communications, 2018, 28, 653-654.	0.6	2
75	New synthesis of trimethylsilyl esters of phosphorus(III) acids. Monatshefte für Chemie, 2019, 150, 1993-1997.	0.9	2
76	Simple methods of modification of daunorubicin on the daunosamine nitrogen atom. Medicinal Chemistry Research, 2021, 30, 564-573.	1.1	2
77	Competing N vs. P(O),C(O)-coordination in complexes of mono- and bis-1,2,3-triazole ligands modified by carbamoylmethylphosphine oxide fragments with palladium(II), uranyl(II), and lanthanum(III): Solid and solution structures. Polyhedron, 2022, 215, 115680.	1.0	2
78	Reactions of electrophilic addition xenon of fluorosulfates. Journal of Fluorine Chemistry, 1991, 54, 34.	0.9	1
79	Synthesis of diethyl [(2S,4S)-4-hydroxytetrahydrofuran-2-ylmethyl]phosphonate. Russian Journal of General Chemistry, 2015, 85, 2754-2758.	0.3	1
80	Synthesis of 2H-aziriny phosphonates and phosphine oxides from phosphorus containing allenes. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 1464-1466.	0.8	1
81	Reaction of (2-methoxyprop-2-yl)diphenylphosphine oxide with alkyl bromides. Mendeleev Communications, 2018, 28, 290-291.	0.6	1
82	4-Alkyl-3-azidomethyl-2-ethoxy-2,5-dihydro-5H-1,2-oxaphosphole 2-Oxides: Synthesis and 1,3-Cycloaddition. Synthesis, 0, 54, .	1.2	1
83	N-Phosphorylation of daunorubicin – synthetic approaches and antiproliferative properties of the products. Medicinal Chemistry Research, 0, , .	1.1	1
84	Phosphorylated Dihydrofurans and Furans via Intramolecular Cyclization of Allenic Alcohols. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1935-1935.	0.8	0
85	A New Synthetic Rout to Phosphonate Analogues of Phosphatidyl Derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1931-1931.	0.8	0
86	Synthesis of Unsaturated Phosphonates as Acyclic Nucleosides Analogues. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1933-1933.	0.8	0
87	Synthesis and Epoxidation of 1,3-, 1,4-, and 1,5-Alkadienes with Pentafluoro- λ^6 -sulfanyl (SF ₅) Groups.. ChemInform, 2005, 36, no.	0.1	0
88	Synthesis and Structure of New gem-Diols with 1,2,3-Triazole Fragment. Russian Journal of General Chemistry, 2018, 88, 1108-1113.	0.3	0
89	Dinuclear Rel complex based on 1,2,4,5-tetrakis(diphenylphosphino)- pyridine: synthesis and luminescence properties. Mendeleev Communications, 2021, 31, 810-812.	0.6	0