

Vadim P Boyarskiy

List of Publications by Year in descending order

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109
papers

3,514
citations

159358

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149479

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120
all docs

120
docs citations

120
times ranked

3112
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclometallated Platinum(II) Complexes for Obtaining Phenyl-Containing Silicone Rubbers via Catalytic Hydrosilylation Reaction. <i>Russian Journal of General Chemistry</i> , 2022, 92, 79-84.	0.3	9
2	Synthesis, Structure, and Antiproliferative Action of 2-Pyridyl Urea-Based Cu(II) Complexes. <i>Biomedicines</i> , 2022, 10, 461.	1.4	10
3	Urea to Urea Approach: Access to Unsymmetrical Ureas Bearing Pyridyl Substituents. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1295-1304.	2.1	9
4	Hydrogen vs. halogen bonding in crystals of 2,5-dibromothiophene-3-carboxylic acid derivatives. <i>Journal of Molecular Structure</i> , 2022, 1260, 132785.	1.8	2
5	Dualism of 1,2,4-oxadiazole ring in noncovalent interactions with carboxylic group. <i>Journal of Molecular Structure</i> , 2022, 1262, 132974.	1.8	4
6	Reaction mechanism of regioisomerization in binuclear (diaminocarbene)PdII complexes. <i>Inorganica Chimica Acta</i> , 2021, 514, 120012.	1.2	7
7	Pd ^{II} - and Pt ^{II} -mediated coupling of aryl isocyanides with N-heterocyclic thiones. <i>New Journal of Chemistry</i> , 2021, 45, 1785-1789.	1.4	4
8	Catalyst-free synthesis of substituted pyridin-2-yl, quinolin-2-yl, and isoquinolin-1-yl carbamates from the corresponding hetaryl ureas and alcohols. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6059-6065.	1.5	12
9	2,5-Dibromothiophenes: Halogen Bond Involving Packing Patterns and Their Relevance to Solid-State Polymerization. <i>Crystal Growth and Design</i> , 2021, 21, 2526-2540.	1.4	9
10	Synthesis and Structural Characterization of Half-Sandwich Arene-Ruthenium(II) Complexes with Bis(imidazol-1-yl)methane, Imidazole and Benzimidazole. <i>Inorganics</i> , 2021, 9, 34.	1.2	4
11	Noncovalent Interaction Involving 1,2,4- and 1,3,4-Oxadiazole Systems: The Combined Experimental, Theoretical, and Database Study. <i>Molecules</i> , 2021, 26, 5672.	1.7	32
12	Deprotonated diaminocarbene platinum complexes for thermoresponsive luminescent silicone materials: both catalysts and luminophores. <i>Dalton Transactions</i> , 2021, 50, 14994-14999.	1.6	19
13	Just Add the Gold: Aggregation-Induced-Emission Properties of Alkynylphosphinegold(I) Complexes Functionalized with Phenylene-Terpyridine Subunits. <i>Inorganic Chemistry</i> , 2021, 60, 18715-18725.	1.9	6
14	Entry into (E)-3-(1,2,4-oxadiazol-5-yl)acrylic acids via a one-pot ring-opening/ring-closing/retro-Diels-Alder reaction sequence. <i>Tetrahedron Letters</i> , 2020, 61, 151543.	0.7	11
15	Application of amidoximes for the heterocycles synthesis. <i>Tetrahedron Letters</i> , 2020, 61, 152403.	0.7	20
16	Metal-Free Functionalization of Azine N-Oxides with Electrophilic Reagents. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 814-823.	0.6	12
17	The halogen bond with isocyano carbon reduces isocyanide odor. <i>Nature Communications</i> , 2020, 11, 2921.	5.8	46
18	Nucleophilic properties of the positively charged metal center in the solid state structure of Palladium(II)-Terpyridine complex. <i>Journal of Molecular Structure</i> , 2020, 1199, 126957.	1.8	3

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19	Water soluble palladium and platinum acyclic diaminocarbene complexes: solution behavior, DNA binding, and antiproliferative activity. <i>New Journal of Chemistry</i> , 2020, 44, 5762-5773.	1.4	20
20	Convenient entry to N-pyridinylureas with pharmaceutically privileged oxadiazole substituents via the acid-catalyzed C-H activation of N-oxides. <i>Tetrahedron Letters</i> , 2019, 60, 151108.	0.7	20
21	Rhodium(I)-catalysed cross-linking of polysiloxanes conducted at room temperature. <i>Journal of Catalysis</i> , 2019, 372, 193-200.	3.1	27
22	(Isocyano Group π -Hole) \cdots \cdots [d ⁸] Interactions of (Isocyanide)[M ^{II}] Complexes, in which Positively Charged Metal Centers (d ⁸) Act as Nucleophiles. <i>Chemistry - A European Journal</i> , 2019, 25, 8590-8598.	1.7	53
23	Intermolecular hydrogen bonding H \cdots Cl in crystal structure of palladium(II)-bis(diaminocarbene) complex. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 155-164.	0.4	8
24	Halides Held by Bifurcated Chalcogen-Hydrogen Bonds. Effect of $(S, N\cdots H)Cl$ Contacts on Dimerization of Cl(carbene)Pd ^{II} Species. <i>Inorganic Chemistry</i> , 2018, 57, 3420-3433.	1.9	66
25	Mechanism of generation of closo-decaborato amidrazones. Intramolecular non-covalent B \cdots H \cdots π (Ph) interaction determines stabilization of the configuration around the amidrazone C \equiv N bond. <i>New Journal of Chemistry</i> , 2018, 42, 8693-8703.	1.4	52
26	Novel Cyanoarylporphyrazines with Triazole Groups at the Macrocycle Periphery as Potential Sensibilizers of Photodynamic Therapy and Optical Probes of Intracellular Viscosity. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2339-2346.	0.3	1
27	Electrochemical Reduction of Trichlorobiphenyls: Mechanism and Regioselectivity. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2058-2066.	0.3	1
28	Formation of Homo- and Heteronuclear Platinum(II) and Palladium(II) Carbene Complexes in the Reactions of Coordinated Isocyanides with Aminothiazaheterocycles. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2119-2124.	0.3	13
29	Pt/Pd and I/Br Isostructural Exchange Provides Formation of $C\cdots I\cdots Pd$, $C\cdots Br\cdots Pt$, and $C\cdots Br\cdots Pd$ Metal-Involving Halogen Bonding. <i>Crystal Growth and Design</i> , 2018, 18, 5973-5980.	1.4	52
30	Ligation-Enhanced π -Hole \cdots Interactions Involving Isocyanides: Effect of π -Hole \cdots Noncovalent Bonding on Conformational Stabilization of Acyclic Diaminocarbene Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 6722-6733.	1.9	50
31	Electrophilicity of aliphatic nitrilium closo-decaborate clusters: Hyperconjugation provides an unexpected inverse reactivity order. <i>Journal of Organometallic Chemistry</i> , 2018, 870, 97-103.	0.8	12
32	Intra-/Intermolecular Bifurcated Chalcogen Bonding in Crystal Structure of Thiazole/Thiadiazole Derived Binuclear (Diaminocarbene)Pd ^{II} Complexes. <i>Crystals</i> , 2018, 8, 112.	1.0	46
33	Coupling of Bis(xylylisocyanide) Palladium(II) Complex with 1,2,4-Thiadiazole-5-amines. <i>Russian Journal of General Chemistry</i> , 2018, 88, 713-720.	0.3	12
34	Interaction of benzene-1,2-diamines with isocyanide complexes of palladium(II): Insight into the mechanism. <i>Inorganica Chimica Acta</i> , 2017, 455, 607-612.	1.2	9
35	H ₂ C(X) \cdots X ⁺ (X = Cl, Br) Halogen Bonding of Dihalomethanes. <i>Crystal Growth and Design</i> , 2017, 17, 1353-1362.	1.4	78
36	Halogen ligands exchange in palladium(II) acyclic diaminocarbene complexes and their stereochemistry. <i>Inorganica Chimica Acta</i> , 2017, 458, 190-198.	1.2	6

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37	New promising porphyrazine-based agents for optical theranostics of cancer. Russian Journal of General Chemistry, 2017, 87, 479-484.	0.3	11
38	Sodium difluoromethanesulfinate—A difluoromethylating agent toward protonated heterocyclic bases. Russian Journal of Organic Chemistry, 2017, 53, 539-546.	0.3	9
39	Diversity of Isomerization Patterns and Protolytic Forms in Aminocarbene Pd ^{II} and Pt ^{II} Complexes Formed upon Addition of <i>N,N</i> -Diphenylguanidine to Metal-Activated Isocyanides. Organometallics, 2017, 36, 4145-4159.	1.1	24
40	Sonogashira reaction catalyzed by palladium isocyanide complex modified in situ. Russian Journal of General Chemistry, 2017, 87, 1663-1666.	0.3	7
41	Optimization of the chemical stage of pretreatment of technical polychlorobiphenyls for destruction. Doklady Chemistry, 2017, 476, 206-210.	0.2	11
42	Fluorescent (pyrazolyl acetoxime)Zn II complexes: Synthetic, structural, and photophysical studies. Inorganica Chimica Acta, 2017, 455, 9-14.	1.2	3
43	Reaction of <i>o</i> -aminophenol and <i>o</i> -aminobenzyl alcohol with palladium(II) bis(isocyanide) complexes. Russian Journal of General Chemistry, 2016, 86, 2350-2355.	0.3	3
44	Alkenylation of Arenes and Heteroarenes with Alkynes. Chemical Reviews, 2016, 116, 5894-5986.	23.0	368
45	Crystal structure of cis-[PdCl ₂ (CNMe) ₂]. Journal of Structural Chemistry, 2016, 57, 822-825.	0.3	16
46	Difference in Energy between Two Distinct Types of Chalcogen Bonds Drives Regioisomerization of Binuclear (Diaminocarbene)Pd ^{II} Complexes. Journal of the American Chemical Society, 2016, 138, 14129-14137.	6.6	114
47	Solvent- and halide-free synthesis of pyridine-2-yl substituted ureas through facile C—H functionalization of pyridine N-oxides. Green Chemistry, 2016, 18, 6630-6636.	4.6	33
48	Regioselectivity of the methanolysis of polychlorinated biphenyls. Russian Journal of General Chemistry, 2016, 86, 2318-2324.	0.3	4
49	Catalysis of the Suzuki reaction by acyclic diaminocarbene palladium complexes generated in situ. Russian Journal of General Chemistry, 2016, 86, 2033-2036.	0.3	11
50	Palladium(II)-Mediated Addition of Benzenediamines to Isocyanides: Generation of Three Types of Diaminocarbene Ligands Depending on the Isomeric Structure of the Nucleophile. Organometallics, 2016, 35, 218-228.	1.1	31
51	Synthesis of 1,4-dihydrophosphinoline 1-oxides by acid-promoted cyclization of 1-(diphenylphosphoryl)allenes. Organic and Biomolecular Chemistry, 2016, 14, 1370-1381.	1.5	29
52	1,4-Dihydrophosphinolines and their complexes with group 10 metals. New Journal of Chemistry, 2016, 40, 3336-3342.	1.4	10
53	Effect of the structural factors on reactivity of aryl halides in the copper-catalyzed arylation of aniline in aqueous medium. Russian Journal of General Chemistry, 2015, 85, 2277-2281.	0.3	2
54	Comparative activity of aryl, alkyl, and cycloalkyl halides in the Suzuki reaction catalyzed with acyclic diaminocarbene complex of palladium. Russian Journal of General Chemistry, 2015, 85, 2541-2546.	0.3	6

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55	Metal-Mediated and Metal-Catalyzed Reactions of Isocyanides. <i>Chemical Reviews</i> , 2015, 115, 2698-2779.	23.0	442
56	Copper-catalyzed C–N bond cross-coupling of aryl halides and amines in water in the presence of ligand derived from oxalyl dihydrazide: scope and limitation. <i>Tetrahedron</i> , 2015, 71, 7931-7937.	1.0	13
57	Theoretical study of the structure of acyclic diaminecarbene ligands in Pd(II) complexes. <i>Russian Journal of General Chemistry</i> , 2015, 85, 894-898.	0.3	4
58	Application of palladium complexes bearing acyclic amino(hydrazido)carbene ligands as catalysts for copper-free Sonogashira cross-coupling. <i>Journal of Catalysis</i> , 2015, 329, 449-456.	3.1	58
59	Facile Gold-Catalyzed Heterocyclization of Terminal Alkynes and Cyanamides Leading to Substituted 2-Amino-1,3-Oxazoles. <i>Organic Letters</i> , 2015, 17, 3502-3505.	2.4	65
60	Synthesis of acyclic diaminecarbene palladium complex featuring triethoxysilane moiety. <i>Inorganic Chemistry Communication</i> , 2015, 61, 21-23.	1.8	8
61	Structure of isocyanide palladium(II) complexes and their reactivity toward nitrogen nucleophiles. <i>Russian Journal of General Chemistry</i> , 2015, 85, 2313-2333.	0.3	41
62	Acid-promoted transformations of 1-(diphenylphosphoryl)allenes: synthesis of novel 1,4-dihydrophosphinoline 1-oxides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1333-1338.	1.5	15
63	Cobalt-Catalyzed Methoxycarbonylation of Substituted Dichlorobenzenes as an Example of a Facile Radical Anion Nucleophilic Substitution in Chloroarenes. <i>Molecules</i> , 2014, 19, 5876-5897.	1.7	9
64	Reversible chelating in acyclic diaminecarbene palladium complex containing hydrazide fragment. <i>Russian Journal of General Chemistry</i> , 2014, 84, 2138-2141.	0.3	6
65	Hydrazinoaminocarbene–palladium complexes as easily accessible and convenient catalysts for copper-free Sonogashira reactions. <i>Tetrahedron Letters</i> , 2014, 55, 2101-2103.	0.7	34
66	Synthetic and structural investigation of [PdBr ₂ (CNR) ₂] (R=Cy, Xyl). <i>Journal of Molecular Structure</i> , 2014, 1068, 222-227.	1.8	20
67	Facile and convenient synthesis of aryl hydrazines via copper-catalyzed C–N cross-coupling of aryl halides and hydrazine hydrate. <i>Tetrahedron</i> , 2014, 70, 4043-4048.	1.0	17
68	Palladium-ADC complexes as efficient catalysts in copper-free and room temperature Sonogashira coupling. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 162-171.	4.8	50
69	Masked Rhodamine Dyes of Five Principal Colors Revealed by Photolysis of a 2-Diazo-Indanone Caging Group: Synthesis, Photophysics, and Light Microscopy Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 13162-13173.	1.7	68
70	Polar Red-Emitting Rhodamine Dyes with Reactive Groups: Synthesis, Photophysical Properties, and Two-Color STED Nanoscopy Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 146-157.	1.7	52
71	Catalytic activity of palladium(II) diaminecarbene complexes in the Sonogashira and Suzuki reactions. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 551-554.	0.3	11
72	Steric effect of substituents in haloarenes on the rate of cross-coupling reactions. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 360-365.	0.3	18

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73	ADC-Based Palladium Catalysts for Aqueous Suzuki–Miyaura Cross-Coupling Exhibit Greater Activity than the Most Advantageous Catalytic Systems. <i>Organometallics</i> , 2013, 32, 5212-5223.	1.1	67
74	<i>Cis/trans</i> equilibrium as the way to form Pd carbene catalyst from <i>trans</i> -isocyanide complex. <i>Journal of Coordination Chemistry</i> , 2013, 66, 3592-3601.	0.8	12
75	Carbonylation of halides using catalysts based on cobalt carbonyl: a promising approach to the synthesis of organic acids as intermediates in drug production. <i>Pharmaceutical Chemistry Journal</i> , 2013, 47, 315-317.	0.3	0
76	Coupling of C-amino aza-substituted heterocycles with an isocyanide ligand in palladium(ii) complex. <i>Russian Chemical Bulletin</i> , 2013, 62, 758-766.	0.4	25
77	New acyclic Pd–diaminocarbene catalyst for Suzuki arylation of meso-chlorosubstituted tricarboindocyanine dyes. <i>Tetrahedron Letters</i> , 2013, 54, 1202-1204.	0.7	35
78	Catalytic activity of palladium acyclic diaminocarbene complexes in the synthesis of 1,3-diarylpropynones via Sonogashira reaction: cross- versus homo-coupling. <i>Tetrahedron Letters</i> , 2013, 54, 2369-2372.	0.7	35
79	Metal-mediated coupling of a coordinated isocyanide and indazoles. <i>Dalton Transactions</i> , 2013, 42, 10394.	1.6	30
80	Mechanism and Regioselectivity of the Electrochemical Reduction in Polychlorobiphenyls (PCBs): Kinetic Analysis for the Successive Reduction of Chlorines from Dichlorobiphenyls. <i>Journal of Physical Chemistry C</i> , 2012, 116, 655-664.	1.5	20
81	Acyclic diaminocarbenes (ADCs) as a promising alternative to N-heterocyclic carbenes (NHCs) in transition metal catalyzed organic transformations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2029-2056.	9.5	169
82	Palladium catalyzed cyanation of o-dichloroarenes with potassium hexacyanoferrate(ii). <i>Russian Chemical Bulletin</i> , 2012, 61, 980-983.	0.4	5
83	N(2)-Monosubstituted bishydrazides of oxalic acid as new efficient components of the system for the copper-catalyzed C-N cross-coupling in water. <i>Russian Chemical Bulletin</i> , 2012, 61, 1009-1013.	0.4	5
84	Crystal structures and conformational behavior in solution of two isomeric dicyanobiphenyls. <i>Journal of Molecular Structure</i> , 2011, 998, 79-83.	1.8	1
85	Reduction of mono- and dichlorobiphenyls with sodium-naphthalene complex. <i>Russian Journal of General Chemistry</i> , 2010, 80, 800-808.	0.3	6
86	Regioselective electrochemical reduction of 2,4-dichlorobiphenyl – Distinct standard reduction potentials for carbon–chlorine bonds using convolution potential sweep voltammetry. <i>Chemical Physics Letters</i> , 2010, 490, 148-153.	1.2	11
87	Rhodamines–NN: A Novel Class of Caged Fluorescent Dyes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3520-3523.	7.2	162
88	Cover Picture: Rhodamines–NN: A Novel Class of Caged Fluorescent Dyes (<i>Angew. Chem. Int. Ed.</i> 20/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3391-3391.	7.2	0
89	Chemoselectivity of cobalt-catalysed carbonylation – A reliable platform for the synthesis of fluorinated benzoic acids. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 81-85.	0.9	5
90	Experimental and theoretical studies on synthesis and structure elucidation of some polychlorinated biphenyl derivatives. <i>Journal of Molecular Structure</i> , 2010, 975, 180-185.	1.8	6

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91	10.1007/s11176-008-1021-2. , 2010, 78, 127.		0
92	Rhodamine Spiroamides for Multicolor Single-Molecule Switching Fluorescent Nanoscopy. Chemistry - A European Journal, 2009, 15, 10762-10776.	1.7	112
93	Structure of 2-chloro-3-phenylbenzoic acid. Journal of Structural Chemistry, 2009, 50, 585-587.	0.3	4
94	Participation of cyclic cobaltolactone anionic complex in the catalytic cycle of arylhalides carbonylation. Russian Journal of General Chemistry, 2009, 79, 2449-2451.	0.3	2
95	Photostable, Amino Reactive and Water-Soluble Fluorescent Labels Based on Sulfonated Rhodamine with a Rigidized Xanthene Fragment. Chemistry - A European Journal, 2008, 14, 1784-1792.	1.7	71
96	Calculation of the possibility of formation of a cyclic metallolactone anionic complex in the methyloxirane-potassium tetracarbonylcobaltate system. Russian Journal of General Chemistry, 2008, 78, 1380-1381.	0.3	2
97	Catalytic systems for carbonylation of aryl halides. Russian Journal of General Chemistry, 2008, 78, 1742-1753.	0.3	10
98	Multicolor Far-Field Fluorescence Nanoscopy through Isolated Detection of Distinct Molecular Species. Nano Letters, 2008, 8, 2463-2468.	4.5	224
99	Production of aromatic acids and the utilization of polychlorobiphenyls dioxin-like dielectrics by means of aryl halide carbonylation. Petroleum Chemistry, 2007, 47, 268-272.	0.4	1
100	Mechanism of the catalytic carbonylation of aryl halides with a modified cobalt carbonyl. Russian Journal of General Chemistry, 2007, 77, 915-922.	0.3	9
101	Synthesis of heteroaromatic carboxylic acids by carbonylation of hetaryl halides with catalysts based on cobalt carbonyl modified with epoxides. Russian Journal of Applied Chemistry, 2007, 80, 571-575.	0.1	4
102	A versatile procedure for synthesis of organic acids by cobalt carbonyl catalyzed carbonylation of organic halides. Russian Journal of Applied Chemistry, 2007, 80, 945-950.	0.1	1
103	Dechlorination of persistent organic pollutants polychlorobiphenyls by catalytic carbonylation. Russian Journal of Applied Chemistry, 2007, 80, 1090-1096.	0.1	6
104	New synthesis of aryl \hat{I}^2 -bromoalkyl sulfones from arenesulfonyl chlorides via cross halogenation. Russian Journal of Organic Chemistry, 2007, 43, 990-994.	0.3	10
105	Carbonylation of chlorobiphenyls catalyzed by modified cobalt carbonyl. Russian Journal of Organic Chemistry, 2007, 43, 1760-1764.	0.3	5
106	A computationally feasible quantum chemical model for ^{13}C NMR chemical shifts of PCB-derived carboxylic acids. Chemosphere, 2006, 62, 368-374.	4.2	5
107	Application of copper(I) halides to modifying reactivity of polyhalomethanes and arenesulfonyl chlorides in free-radical addition. \hat{I}^2 -Cross-halogenation-reaction. Russian Journal of Organic Chemistry, 2006, 42, 1120-1130.	0.3	17
108	Synthesis of Aromatic Carboxylic Acids by Carbonylation of Aryl Halides in the Presence of Epoxide-Modified Cobalt Carbonyls as Catalysts. Russian Journal of Applied Chemistry, 2005, 78, 1844-1848.	0.1	6

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109	Addition of Bromotrichloromethane and Tetrachloromethane to cis-Cyclooctene, Cyclohexene, and Norbornadiene in the Presence of Palladium(II) Complexes. Russian Journal of Organic Chemistry, 2003, 39, 933-946.	0.3	11