Dmitry S Perekalin

List of Publications by Year
in descending order

98	1,716	304701	330122
papers	citations	22 h-index	37 g-index

102	102	102	1283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Ruthenium Catalysts with a Chiral Arene Ligand Derived from Natural Camphor. Synthesis, 2022, 54, 4721-4726.	2.3	3
2	Planar Chiral Rhodium Complexes of 1,4â€Benzoquinones. Chemistry - A European Journal, 2022, 28, .	3.3	5
3	Generation of Cyclopentadiene for Dielsâ€“Alder Reactions by Visibleâ€Light Irradiation of Iron Sandwich Complexes. Helvetica Chimica Acta, 2022, 105, .	1.6	3
4	Asymmetric cyclopropanation of electron-rich alkenes by the racemic diene rhodium catalyst: the chiral poisoning approach. Chemical Communications, 2022, 58, 6709-6712.	4.1	2
5	Synthesis of catalytically active diene and cyclopentadienyl rhodium halide complexes. Mendeleev Communications, 2021, 31, 1-7.	1.6	18
6	Cyclobutadiene Rhodium Complexes as Catalysts for the Synthesis of Amides from Electronâ€rich Arenes, Tosyl Azide and CO. ChemCatChem, 2021, 13, 2873-2878.	3.7	3
7	Cyclobutadiene cobalt complexes as catalysts for insertion of diazo compounds into Xâ€“H bonds. Mendeleev Communications, 2021, 31, 350-351.	1.6	0
8	Cyclobutadiene cobalt complexes as catalysts for insertion of diazo compounds into Xâ€“H bonds. Mendeleev Communications, 2021, 31, 350-351.	1.6	3
9	Synthesis of Rhodium Complexes with Chiral Diene Ligands via Diastereoselective Coordination and Their Application in the Asymmetric Insertion of Diazo Compounds into Eâ^'H Bonds. Angewandte Chemie, 2021, 133, 18860-18868.	2.0	5
10	Synthesis of Rhodium Complexes with Chiral Diene Ligands via Diastereoselective Coordination and Their Application in the Asymmetric Insertion of Diazo Compounds into Eâ^'H Bonds. Angewandte Chemie - International Edition, 2021, 60, 18712-18720.	13.8	25
11	Synthesis of Overloaded Cyclopentadienyl Rhodium(III) Complexes via Cyclotetramerization of tert-Butylacetylene. Organometallics, 2021, 40, 3712-3719.	2.3	21
12	Room-temperature Câ€“H bond alkynylation by merging cobalt and photocatalysts. Chemical Communications, 2021, 57, 12167-12170.	4.1	10
13	Synthesis of cyclopentadienyl iron complexes with substituted phenylene ligands via Suzuki coupling. Journal of Organometallic Chemistry, 2020, 906, 121061.	1.8	4
14	Patterning of various materials by the photochemical reaction of [(C₅H₅)Fe(C₆H₆)]⁺ complex with salicylate dyes. New Journal of Chemistry, 2020, 44, 18157-18161.	2.8	2
15	Rhodium Catalysts with a Chiral Cyclopentadienyl Ligand Derived from Natural Râ€Myrtenal. European Journal of Organic Chemistry, 2020, 2020, 6019-6025.	2.4	20
16	Reactions of arene replacement in transition metal complexes. Coordination Chemistry Reviews, 2020, 411, 213238.	18.8	20
17	Variability of Rhodium(III)-Catalyzed Reactions of Aromatic Oximes with Alkenes. Synlett, 2020, 31, 1117-1120.	1.8	6
18	Synthesis and reactivity of cyclobutadiene nickel bromide. Dalton Transactions, 2020, 49, 6801-6806.	3.3	0

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19	Unexpected antifungal activity of half-sandwich complexes with metalâ˜iodine bonds. Journal of Organometallic Chemistry, 2020, 916, 121272.	1.8	7
20	Cyclobutadiene nickel complex as a catalyst for CH-activation reactions: computational study. Mendeleev Communications, 2019, 29, 263-265.	1.6	4
21	Aldehydes as Alkylating Agents for Ketones. Chemistry - A European Journal, 2019, 25, 16225-16229.	3.3	9
22	Organometallic cyanotype: formation of Prussian blue by a photochemical decomposition of the arene iron complex. Mendeleev Communications, 2019, 29, 71-73.	1.6	5
23	Design of Manganese Phenol Piâ€complexes as Shvoâ€type Catalysts for Transfer Hydrogenation of Ketones. ChemCatChem, 2019, 11, 1602-1605.	3.7	24
24	Anthraceneâ€“rhodium complexes with metal coordination at the central ring â€“ a new class of catalysts for reductive amination. Organic and Biomolecular Chemistry, 2019, 17, 83-87.	2.8	9
25	Synthesis and Reactivity of Heptamethylcyclohexadienyl Rhodium(III) Complexes. Organometallics, 2019, 38, 4607-4614.	2.3	3
26	A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. Angewandte Chemie - International Edition, 2018, 57, 7714-7718.	13.8	174
27	A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. Angewandte Chemie, 2018, 130, 7840-7844.	2.0	70
28	Synthesis and reactivity of the cyclohexadienyl rhodium complexes. Journal of Organometallic Chemistry, 2018, 862, 71-75.	1.8	3
29	Insertion of carbenoids into X-H bonds catalyzed by the cyclobutadiene rhodium complexes. Journal of Organometallic Chemistry, 2018, 867, 86-91.	1.8	17
30	Rutheniumâ€Catalyzed Reductive Amidation without an External Hydrogen Source. European Journal of Organic Chemistry, 2018, 2018, 557-563.	2.4	10
31	Frontispiece: Rhodium(III) Complex with a Bulky Cyclopentadienyl Ligand as a Catalyst for Regioselective Synthesis of Dihydroisoquinolones through Câ˜H Activation of Arylhydroxamic Acids. Chemistry - A European Journal, 2018, 24, .	3.3	0
32	Rhodium(III) Complex with a Bulky Cyclopentadienyl Ligand as a Catalyst for Regioselective Synthesis of Dihydroisoquinolones through Câ˜H Activation of Arylhydroxamic Acids. Chemistry - A European Journal, 2018, 24, 16570-16575.	3.3	48
33	Sandwich complexes of iron and ruthenium with the semiconducting aromatic hydrocarbon picene. Journal of Organometallic Chemistry, 2018, 875, 24-28.	1.8	3
34	RÃ¼cktitelbild: A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1	
35	Synthesis of the cyclopentadienone rhodium complexes and investigation of their catalytic activity in the reductive aminationÂofÂaldehydes in the presence of carbon monoxide. Journal of Organometallic Chemistry, 2017, 835, 6-11.	1.8	12
36	Some Aspects of Reductive Amination in the Presence of Carbon Monoxide: Cyclopropyl Ketones as Bifunctional Electrophiles. Synthesis, 2017, 49, 2640-2651.	2.3	10

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37	Ligand Design for Siteâ€Selective Metal Coordination: Synthesis of Transitionâ€Metal Complexes with Î·⁶â€Coordination of the Central Ring of Anthracene. Angewandte Chemie, 2017, 129, 5676-5679.	2.0	2
38	Ligand Design for Siteâ€Selective Metal Coordination: Synthesis of Transitionâ€Metal Complexes with Î·⁶â€Coordination of the Central Ring of Anthracene. Angewandte Chemie - International Edition, 2017, 56, 5584-5587.	13.8	11
39	Synthesis of 13-vertex dimetallacarboranes by electrophilic insertion into 12-vertex ruthenacarboranes. Dalton Transactions, 2017, 46, 15710-15718.	3.3	2
40	Cyclobutadiene complexes of platinum metals. Coordination Chemistry Reviews, 2017, 349, 156-168.	18.8	25
41	Cluster [Co3(CO)3(Âµ2-CO)3(Âµ3-C8H8)]-as a Ligand: Experimental and Theoretical Study. European Journal of Inorganic Chemistry, 2017, 2017, 5663-5669.	2.0	2
42	Unpredictable cycloisomerization of 1,11-dien-6-ynes by a common cobalt catalyst. Beilstein Journal of Organic Chemistry, 2017, 13, 639-643.	2.2	3
43	Heterogeneous bromination of alkenes using Bi(<scp>iii</scp>) polybromide complexes as {Br₂} source. RSC Advances, 2016, 6, 62011-62013.	3.6	22
44	Cyclobutadiene Arene Complexes of Rhodium and Iridium. Organometallics, 2016, 35, 3025-3031.	2.3	26
45	Observation of superconductivity in hydrogen sulfide from nuclear resonant scattering. Science, 2016, 351, 1303-1306.	12.6	121
46	Cyclobutadiene Metal Complexes: A New Class of Highly Selective Catalysts. An Application to Direct Reductive Amination. ACS Catalysis, 2016, 6, 2043-2046.	11.2	49
47	General Route to Cyclobutadiene Rhodium Complexes. Chemistry - A European Journal, 2015, 21, 16344-16348.	3.3	23
48	Selective Ruthenium Labeling of the Tryptophan Residue in the Bee Venom Peptide Melittin. Chemistry - A European Journal, 2015, 21, 4923-4925.	3.3	30
49	Synthesis of the half-sandwich ruthenium complexes [Cp*RuL3]+ via naphthalene replacement in [Cp*Ru(C10H8)]+. Mendeleev Communications, 2015, 25, 29-31.	1.6	13
50	Synthesis of cyclohexadienyl ruthenium complexes by replacement of the naphthalene ligand in [(Î·5-C6H3Me4)Ru(Î·6-C10H8)]+. Journal of Organometallic Chemistry, 2015, 785, 106-111.	1.8	10
51	17-Crown-5 ether condensed with 11-vertex nido-carborane. Russian Chemical Bulletin, 2014, 63, 2351-2354.	1.5	1
52	Synthesis of amino acid esters of the ruthenium naphthalene complex [(C5Me4CH2OH)Ru(C10H8)]+. Inorganica Chimica Acta, 2014, 409, 390-393.	2.4	13
53	Synthesis of cyclohexadienyl ruthenium arene complexes by replacement of acetonitrile ligands in [(Î·5-C6H7)Ru(MeCN)3]+. Journal of Organometallic Chemistry, 2014, 754, 1-4.	1.8	5
54	Synthesis of the cyclohexadienyl ruthenium arene complexes [(Î·5-C6H3Me4)Ru(Î·6-arene)]+ from the dimethyloctadienyl rutheniumÂchloride[(Î¼-Î·3:Î·3-C10H16)RuCl2]2. Journal of Organometallic Chemistry, 2014, 770, 1-5.	1.8	5

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55	Ruthenium naphthalene complexes with a carboxy-substituted cyclopentadienyl ligand. Mendeleev Communications, 2014, 24, 214-215.	1.6	1
56	Cyclopentadienyl ruthenium complexes with naphthalene and other polycyclic aromatic ligands. Coordination Chemistry Reviews, 2014, 276, 153-173.	18.8	37
57	Synthesis and structures of cationic bis(arene)rhenium complexes. Journal of Organometallic Chemistry, 2013, 727, 60-63.	1.8	29
58	Synthesis of Ruthenium Halfâ€Sandwich Complexes by Naphthalene Replacement in [CpRu(C₁₀H₈)]⁺. European Journal of Inorganic Chemistry, 2013, 2013, 481-493.	2.0	46
59	Reactions of the cyclopentadienyl ruthenium complexes (C5R5)Ru(cod)Cl and [(C5R5)Ru(MeCN)3]+ (RÂ=ÂH, Me) with phenylacetylene and acetic acid: Unexpected difference in reactivity of CpRu and Cp*Ru complexes. Journal of Organometallic Chemistry, 2013, 737, 21-25.	1.8	7
60	Synthesis and reactivity of the cyclohexadienyl ruthenium complex [(hhh5-C6H7)Ru(MeCN)3]+ with labile acetonitrile ligands. Mendeleev Communications, 2013, 23, 133-134.	1.6	5
61	Communications, 2012, 22, 134-135.	1.6	2
62	Synthesis of iron complexes [(Î·5-indenyl)FeL3]+ from the readily available[(Î·5-indenyl)Fe(Î·6-indene)]+. Inorganica Chimica Acta, 2012, 392, 73-76.	2.4	4
63	Arene Exchange in the Ruthenium-Naphthalene Complex [CpRu(C10H8)]+. European Journal of Inorganic Chemistry, 2012, 2012, 1485-1492.	2.0	37
64	Cyclotrimerization of alkynes catalyzed by the naphthalene ruthenium complex [CpRu(C10H8)]+. Russian Chemical Bulletin, 2011, 60, 2110-2113.	1.5	6
65	Convenient synthesis of the ruthenium complexes CpRu(diene)X (X=Cl, Br, I) by naphthalene substitution in [CpRu(C10H8)]+. Mendeleev Communications, 2011, 21, 82-83.	1.6	13
66	Arene exchange in the anthracene ruthenium complex [(C5Me4CH2OMe)Ru(C14H10)]+. Mendeleev Communications, 2011, 21, 163-164.	1.6	8
67	Simple Synthesis of Ruthenium Ï€ Complexes of Aromatic Amino Acids and Small Peptides. Chemistry - A European Journal, 2010, 16, 8466-8470.	3.3	41
68	(Mesitylene)ruthenium Ï€-complexes with benzo-15-crown-5 and dibenzo-18-crown-6. Journal of Organometallic Chemistry, 2010, 695, 1200-1204.	1.8	3
69	Cyclopentadienyl ruthenium complexes with tricarbollide ligands. Collection of Czechoslovak Chemical Communications, 2010, 75, 1139-1148.	1.0	10
70	Stacking interaction in crystals of a dinuclear rhodium complex with a bridging phenylborole ligand. Russian Chemical Bulletin, 2009, 58, 1094-1096.	1.5	1
71	New method for the synthesis of substituted ruthenocenes. Russian Chemical Bulletin, 2008, 57, 2032-2033.	1.5	13
72	Thermal arene exchange in the naphthalene complex [CpRu(Î·6-C10H8)]+. Russian Chemical Bulletin, 2008, 57, 2201-2203.	1.5	21

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73	Reactions of the borole complex CpRh(Î·5-C4H4BPh) with monocationic organometallic fragments. Inorganica Chimica Acta, 2008, 361, 1715-1721.	2.4	17
74	A New Approach to the Photochemically Controlled Crown Ethers: (Tetramethylcyclobutadiene)cobalt Complexes with Benzo-15-Crown-5 and Dibenzo-18-Crown-6. Organometallics, 2008, 27, 3654-3658.	2.3	18
75	Unprecedented steric deformation of ortho-carborane. Chemical Communications, 2008, , 5345.	4.1	37
76	Crucial role of Ruâ‹¯H interactions in the crystal packing of ruthenocene and its derivatives. CrystEngComm, 2008, 10, 827.	2.6	40
77	Iron and Cobalt Complexes with Thiacarborane Ligands. Organometallics, 2008, 27, 5273-5278.	2.3	12
78	Synthesis, Structure, Electrochemistry, and MÃ¶ssbauer Effect Studies of the Ferraphosphadicarbollides [(C5R5)Fe(PC2B8H10)] (R = H, Me). European Journal of Inorganic Chemistry, 2007, 2007, 4190-4196.	2.0	10
79	Chemical transformations of reaction products of 2-methyl-3-(4-tolyl)-4(3H)-quinazolone with benzil and its 4,4â€²-derivatives. Russian Chemical Bulletin, 2007, 56, 154-159.	1.5	1
80	(Tetramethylcyclobutadiene)cobalt Complexes with Phosphacarborane Ligandsâ€. Organometallics, 2006, 25, 2419-2426.	2.3	17
81	A restricted polyhedral rearrangement of an aminosubstituted 12-vertex ferratricarbollide. Inorganica Chimica Acta, 2006, 359, 3264-3268.	2.4	20
82	Sandwich iridium complexes with the monoanionic carborane ligand [9-SMe2-7,8-C2B9H10]â¯'. Russian Chemical Bulletin, 2006, 55, 84-88.	1.5	12
83	Synthesis, Structure, Electrochemistry, and Metal-Atom Dynamics of Cyclopentadienyl Ferracarboranes. European Journal of Inorganic Chemistry, 2006, 2006, 1786-1795.	2.0	21
84	(Tetramethylcyclobutadiene)cobalt Complexes with Tricarbollide Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 1737-1742.	2.0	19
85	The remarkable stability of the Clâ€“Â·Â·Â·(Ï€-system) contacts in 2,3,5-triphenyltetrazolium chloride. Mendeleev Communications, 2005, 15, 237-239.	1.6	11
86	Structural Dualism in the Zwitterionic 7-RRâ€²NH-nido-7,8,9-C3B8H10 Tricarbollide Series: An Example of Absolute Tautomerism. Angewandte Chemie - International Edition, 2005, 44, 6222-6226.	13.8	12
87	Metal complexes with an aminosubstituted tricarbollide ligand. Journal of Organometallic Chemistry, 2005, 690, 2775-2779.	1.8	17
88	Electrochemical behaviour of cobalta-dicarbollide sandwich complexes with different capping units. Journal of Solid State Electrochemistry, 2005, 9, 750-757.	2.5	11
89	Calculations of thermodynamic stability of CpCoC2B9H11 cobaltacarborane isomers. Russian Chemical Bulletin, 2005, 54, 1603-1605.	1.5	13
90	Synthesis and studies of spectroscopic and electrochemical properties of dinuclear ruthenium(II) and manganese(II) complexes. Russian Chemical Bulletin, 2005, 54, 2354-2358.	1.5	2

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91	Ferra- and Ruthenatricarbollides CpFeC3B8H11and Cp*RuC3B8H11. Organometallics, 2005, 24, 4387-4392.	2.3	33
92	Synthesis and Rearrangements of Aminosubstituted Ferra- and Ruthenatricarbaboranes. Inorganic Chemistry, 2005, 44, 1655-1659.	4.0	32
93	Structures of cationic metallacarborane complexes [(Î·-9-Me2S-7,8-C2B9H10)Ni(Î¼-Cp)Ni(Î·-9-Me2S-7,8-C2B9H10)]+ and [Cp*Ru(Me2S-C2B9H10)RuCp*]+. Russian Chemical Bulletin, 2004, 53, 1958-1962.	1.5	9
94	(Tetramethylcyclobutadiene)cobalt Complexes with Five-Electron Carbo- and Heterocyclic Ligandsâ€. Organometallics, 2004, 23, 5944-5957.	2.3	55
95	Direct Electrophilic Insertion into a Twelve-Vertex Metallacarborane. Angewandte Chemie - International Edition, 2002, 41, 4112-4114.	13.8	33
96	Synthesis and structure of rhodium complexes with monoanionic carborane ligand [9-SMe2-7,8-C2B9H10]â^'. Journal of Organometallic Chemistry, 2002, 657, 115-122.	1.8	40
97	(Arene)ruthenium complexes with the monoanionic carborane ligand [9-SMe2-7,8-C2B9H10]â€“. Russian Chemical Bulletin, 2002, 51, 1928-1930.	1.5	9
98	Synthesis of the iridacarborane halide complexes [(Î·-9-SMe2-7,8-C2B9H10)IrX2]2 (X = Cl, Br, or I). Russian Chemical Bulletin, 2001, 50, 1334-1335.	1.5	9