Yan Voloshin

List of Publications by Year
in descending order

192 papers	4,001 citations	147726 31 h-index	197736 49 g-index
198 all docs	198 docs citations	198 times ranked	1972 citing authors

#	Article	IF	Citations
1	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. Journal of the American Chemical Society, 2015, 137, 9792-9795.	6.6	284
2	Ligand Aspect Ratio as a Decisive Factor for the Self-Assembly of Coordination Cages. Journal of the American Chemical Society, 2016, 138, 2046-2054.	6.6	133
3	Triribbed-Functionalized Clathrochelate Iron(II) Dioximates as a New and Promising Tool To Obtain Polynucleating and Polynuclear Compounds with Improved Properties. Inorganic Chemistry, 2000, 39, 1907-1918.	1.9	106
4	Polymorphism in a Cobalt-Based Single-Ion Magnet Tuning Its Barrier to Magnetization Relaxation. Journal of Physical Chemistry Letters, 2016, 7, 4111-4116.	2.1	95
5	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	2.5	93
6	Efficient electrocatalytic hydrogen production from H+ ions using specially designed boron-capped cobalt clathrochelates. Chemical Communications, 2011, 47, 7737.	2.2	82
7	Trisâ€Dioximate Cobalt(I,II,III) Clathrochelates: Stabilization of Different Oxidation and Spin States of an Encapsulated Metal Ion by Ribbed Functionalization. European Journal of Inorganic Chemistry, 2010, 2010, 5401-5415.	1.0	75
8	Clathrochelate monoribbed-functionalized iron(ii) Î±-dioximates: synthetic pathways and structural and electrochemical features. Dalton Transactions RSC, 2002, , 1193.	2.3	73
9	Tuning a Metal's Oxidation State: The Potential of Clathrochelate Systems. Angewandte Chemie - International Edition, 2005, 44, 3400-3402.	7.2	73
10	Transition Ion Strikes Back: Large Magnetic Susceptibility Anisotropy in Cobalt(II) Clathrochelates. Journal of Physical Chemistry Letters, 2014, 5, 3799-3803.	2.1	62
11	Cage Metal Complexes. , 2017, , .		61
12	Synthesis, structure, properties and immobilization on a gold surface of the monoribbed-functionalized tris-dioximate cobalt(ii) clathrochelates and an electrocatalytic hydrogen production from H+ ions. Dalton Transactions, 2012, 41, 6078.	1.6	58
13	Spin-Crossover Anticooperativity Induced by Weak Intermolecular Interactions. Journal of Physical Chemistry Letters, 2014, 5, 496-500.	2.1	55
14	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements Part I. Template synthesis and properties of macrobicyclic boron-containing iron(II) dioximates. Inorganica Chimica Acta, 1990, 170, 181-190.	1.2	53
15	Encapsulation of ruthenium(ii) with macrobicyclic dioxime-functionalized ligands: on the way to new types of DNA-cleaving agents and probes. Dalton Transactions RSC, 2002, , 1203-1211.	2.3	49
16	Ditopic Macropolycyclic Complexes:Â Synthesis of Hybrid Phthalocyaninoclathrochelates. Inorganic Chemistry, 2005, 44, 822-824.	1.9	49
17	Combined X-ray Absorption Near-Edge Structure and X-ray Photoelectron Study of the Electrocatalytically Active Cobalt(I) Cage Complexes and the Clathrochelate Cobalt(II)- and Cobalt(III)-Containing Precursors and Analogs. Journal of Physical Chemistry C, 2013, 117, 2753-2759.	1.5	49
18	Trigonal Prismatic Tris-pyridineoximate Transition Metal Complexes: A Cobalt(II) Compound with High Magnetic Anisotropy. Inorganic Chemistry, 2017, 56, 6943-6951.	1.9	49

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19	Template synthesis, structure and unusual series of phase transitions in clathrochelate iron(II) Î±-dioximates and oximehydrazonates formed by capping with functionalized boron-containing agents. Polyhedron, 2001, 20, 2721-2733.	1.0	45
20	Size matters, so does shape: Inhibition of transcription of T7 RNA polymerase by iron(II) clathrochelates. Journal of Inorganic Biochemistry, 2013, 124, 42-45.	1.5	45
21	Formation of the second superhydrophobic shell around an encapsulated metal ion: synthesis, X-ray structure and electrochemical study of the clathrochelate and bis-clathrochelate iron(<scp>ii</scp>) and cobalt(<scp>ii</scp>,<scp>iii</scp>) dioximates with ribbed perfluoroarylsulfide substituents. Dalton Transactions, 2012, 41, 737-746.	1.6	40
22	Iron vs. cobalt clathrochelate electrocatalysts of HER: the first example on a cage iron complex. Dalton Transactions, 2013, 42, 4373.	1.6	39
23	Synthesis and Temperature-Induced Structural Phase and Spin Transitions in Hexadecylboron-Capped Cobalt(II) Hexachloroclathrochelate and Its Diamagnetic Iron(II)-Encapsulating Analogue. Inorganic Chemistry, 2015, 54, 5827-5838.	1.9	39
24	The synthesis and structure of a macrobicyclic hexahalogenide trisdioximate as a promising precursor of functionalized clathrochelates. New Journal of Chemistry, 1999, 23, 355-358.	1.4	38
25	Recent advances in biological applications of cage metal complexes. RSC Advances, 2015, 5, 72621-72637.	1.7	38
26	Insight into the Electronic Structure, Optical Properties, And Redox Behavior of the Hybrid Phthalocyaninoclathrochelates from Experimental and Density Functional Theory Approaches. Inorganic Chemistry, 2012, 51, 8362-8372.	1.9	37
27	A Trigonal Prismatic Cobalt(II) Complex as a Single Molecule Magnet with a Reduced Contribution from Quantum Tunneling. ChemPhysChem, 2019, 20, 1001-1005.	1.0	37
28	An interaction of the functionalized closo -borates with albumins: The protein fluorescence quenching and calorimetry study. Journal of Luminescence, 2016, 169, 51-60.	1.5	35
29	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elementsâ€"VII. Clathrochelate tris-dioximates of cobalt(III) formed by tin tetrachloride. Polyhedron, 1992, 11, 1939-1948.	1.0	33
30	Cage complexes of transition metals in biochemistry and medicine. Russian Chemical Bulletin, 2007, 56, 577-605.	0.4	33
31	Study of anti-fibrillogenic activity of iron(II) clathrochelates. Bioorganic and Medicinal Chemistry, 2014, 22, 1883-1888.	1.4	33
32	First iron and cobalt(ii) hexabromoclathrochelates: structural, magnetic, redox, and electrocatalytic behavior. Dalton Transactions, 2015, 44, 2476-2487.	1.6	33
33	First trigonal-antiprismatic tris-dichloroglyoximate iron(ii) clathrochelate and its reactivity in nucleophilic substitution reactions. New Journal of Chemistry, 2003, 27, 1148-1155.	1.4	32
34	Title is missing!. Hyperfine Interactions, 2002, 141/142, 309-320.	0.2	30
35	Pathways of directed synthesis of iron(II) clathrochelates and polyclathrochelates with non-equivalent capping groups starting from antimony- and germanium-containing precursors. Inorganica Chimica Acta, 2004, 357, 3187-3204.	1.2	30
36	Mono- and trichloride clathrochelate iron (II) chloroglyoximates and their functionalization: The effect of the substituents in the clathrochelate framework on the reactivity of the chlorine-containing fragments in nucleophilic substitution reactions. Inorganica Chimica Acta, 2006, 359, 553-569.	1.2	30

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37	Cage iron(II) complexes with apical and ribbed adamantyl substituents: The creation of second (hydrophobic) shell of an encapsulated metal ion. Inorganica Chimica Acta, 2007, 360, 1543-1554.	1.2	30
38	Copper-promoted reductive homocoupling of quasi-aromatic iron(ii) clathrochelates: boosting the inhibitory activity in a transcription assay. Chemical Communications, 2014, 50, 3166.	2.2	30
39	Chloride Ion-Aided Self-Assembly of Pseudoclathrochelate Metal Tris-pyrazoloximates. Inorganic Chemistry, 2014, 53, 3062-3071.	1.9	30
40	Reactions of chloride iron(II) clathrochelates with aliphatic amines: an unexpected influence of the nature of the amine and solvent on the reaction products. Inorganica Chimica Acta, 2001, 321, 116-134.	1.2	28
41	Interaction of Dichloride Iron(II) Clathrochelate with Dimercaptomaleodinitrile: Synthesis of the Precursor Monoribbed-Functionalized Phthalocyaninoclathrochelates and the Unexpected Formation of a New Thiophene-Containing Heterocyclic System in the Ribbed Chelate Fragment of the Clathrochelate Framework. Inorganic Chemistry, 2008, 47, 2155-2161.	1.9	27
42	Synthesis, structural and electrochemical features of alicyclic and aromatic Î±,Î±â€²-N2- and-S2-dioximate macrobicyclic cobalt(II,III) and ruthenium(II) tris-complexes. Inorganica Chimica Acta, 2011, 370, 322-332.	1.2	27
43	The Encapsulation Phenomenon. , 2016, , .		27
44	Single molecular switch based on thiol tethered iron(II)clathrochelate on gold. Electrochimica Acta, 2009, 54, 5431-5438.	2.6	26
45	Copper(<scp>i</scp>)- and copper(0)-promoted homocoupling and homocouplingâ€“hydrodehalogenation reactions of dihalogenoclathrochelate precursors for Câ€“C conjugated iron(<scp>ii</scp>) bis-cage complexes. Dalton Transactions, 2014, 43, 17934-17948.	1.6	26
46	Template synthesis, structure and electrochemistry of trinuclear iron(II) clathrochelate dioximates with ferrocenylboron fragments. Journal of Organometallic Chemistry, 1997, 536-537, 207-216.	0.8	25
47	Synthesis, spectral and electrochemical characteristics of asymmetrical iron(II) tris-dioximates. Polyhedron, 1998, 17, 4315-4326.	1.0	25
48	Synthesis, structure and electron-mediator properties of the mono- and difunctionalized macrobicyclic iron(II) tris-dioximates with thiol terminated ribbed spacer substituents. Inorganica Chimica Acta, 2009, 362, 2982-2988.	1.2	25
49	Interaction of the Iron(II) Cage Complexes With Proteins: Protein Fluorescence Quenching Study. Journal of Fluorescence, 2013, 23, 889-895.	1.3	25
50	Template synthesis, X-ray structure, spectral and redox properties of the paramagnetic alkylboron-capped cobalt(II) clathrochelates and their diamagnetic iron(II)-containing analogs. Inorganica Chimica Acta, 2013, 399, 67-78.	1.2	25
51	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements. Part III. Template synthesis, structure and properties of clathrochelate tin-containing iron(II) dioximates formed by tin tetrachloride. Inorganica Chimica Acta, 1991, 185, 83-91.	1.2	24
52	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements Part IV. Crystalline and molecular structure of an iron(II) complex with macrobicyclic fluoroborate-containing tris-diphenylglyoximate ligand and its MÃ¶ssbauer (57Fe) parameters. Inorganica Chimica Acta, 1991, 184, 107-110.	1.2	24
53	Macrobicyclic iron (II) oximehydrazonates and Î±-dioximates formed by capping with antimony (V) triorganyles: the first synthesis of antimony-containing clathrochelates. Inorganic Chemistry Communication, 1998, 1, 328-331.	1.8	24
54	Synthesis and DNA binding properties of dioximeâ€“peptide nucleic acids. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2927-2930.	1.0	24

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55	Template synthesis and structure of mono- and trisubstituted ribbed-functionalized iron(II) clathrochelates. Inorganica Chimica Acta, 2005, 358, 131-146.	1.2	24
56	On a way to new types of the polyfunctional and polytopic systems based on cage metal complexes: Cadmium-promoted nucleophilic substitution with low-active nucleophilic agents. Polyhedron, 2009, 28, 3431-3438.	1.0	24
57	Preparation, X-ray Structures, Spectroscopic, and Redox Properties of Di- and Trinuclear Ironâ€“Zirconium and Ironâ€“Hafnium Porphyrinoclathrochelates. Inorganic Chemistry, 2016, 55, 11867-11882.	1.9	24
58	New capping agents for oximehydrazonate clathrochelates: sterically controlled synthesis, structural characterization and intramolecular reactions. Inorganica Chimica Acta, 1999, 284, 180-190.	1.2	23
59	Synthesis and structure of the first clathrochelate iron(<scp>ii</scp>) tris-dioximates with inherent nitrile substituent(s) and new dehalogenation â€“ reduction reaction at a quasi-aromatic macrobicyclic framework. Dalton Transactions, 2012, 41, 921-928.	1.6	23
60	Cytotoxicity of electrophilic iron(II)â€“clathrochelates in human promyelocytic leukemia cell line. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 626-629.	1.0	23
61	New o-carboranyl-containing capping agents for d-metal tris-dioximates and first bis-C-carboranylboron-capped iron(II) clathrochelates: Synthesis and X-ray structure. Inorganic Chemistry Communication, 2009, 12, 135-139.	1.8	22
62	Synthesis, X-ray structure and redox properties of the macrobicyclic iron(II) N2- and S2-containing vic-dioximates. Inorganica Chimica Acta, 2010, 363, 134-146.	1.2	22
63	The first monoribbed-functionalized tris-dioximate iron(II) clathrochelate with two inherent NH2-substituents, its reactivity, acidâ€“base and coordination-chemical properties. Inorganica Chimica Acta, 2011, 366, 91-97.	1.2	22
64	Synthesis, spectra and properties of the first protono- and ionogenic tris-dioximate iron(II) clathrochelates. Polyhedron, 2012, 40, 32-39.	1.0	22
65	Solvent-Induced Encapsulation of Cobalt(II) Ion by a Boron-Capped tris-Pyrazoloximate. Inorganic Chemistry, 2020, 59, 5845-5853.	1.9	22
66	Synthesis and structure of monoribbed-functionalized disulfide iron(II) clathrochelates and their coordination as the ligands toward platinum(II) and platinum(IV) ions. Inorganica Chimica Acta, 2009, 362, 149-158.	1.2	21
67	First â€œClickâ€•Synthesis of the Ribbed-Functionalized Metal Clathrochelates: Cycloaddition of Benzyl Azide to Propargylamine Iron(II) Macrobicycle and the Unexpected Transformations of the Resulting Cage Complex. European Journal of Inorganic Chemistry, 2012, 2012, 4507-4514.	1.0	21
68	Synthesis of the first morpholine-containing iron(II) clathrochelates: A new class of efficient functionalized transcription inhibitors. Inorganica Chimica Acta, 2014, 421, 300-306.	1.2	21
69	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elementsâ€”V. Synthesis and properties of polymeric germanium-containing iron(II) dioximates. Polyhedron, 1992, 11, 457-461.	1.0	20
70	First hybrid oximehydrazonate phthalocyaninoclathrochelates: The synthesis and properties of lutetium phthalocyanine-capped cage iron(II) complexes. Polyhedron, 2007, 26, 2733-2740.	1.0	20
71	New antimony-capped iron(II) and cobalt(III) clathrochelate precursors of the polytopic hybrid cage complexes: Synthesis, X-ray structures and electrochemistry. Polyhedron, 2008, 27, 325-334.	1.0	20
72	Apically linked iron(ii) Î±-dioximate and Î±-oximehydrazonate bis-clathrochelates: synthesis, structure and electrocatalytic properties. Dalton Transactions, 2013, 42, 13667.	1.6	20

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73	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. Inorganic Chemistry Communication, 2013, 30, 53-57.	1.8	20
74	Synthesis and characterization of an Fe(<scp>i</scp>) cage complex with high stability towards strong H-acids. Chemical Communications, 2018, 54, 3436-3439.	2.2	20
75	Very Large Magnetic Anisotropy of Cage Cobalt(II) Complexes with a Rigid Cholesteryl Substituent from Paramagnetic NMR Spectroscopy. ACS Omega, 2018, 3, 4941-4946.	1.6	20
76	A new type of binuclear oximehydrazonate clathrochelates of iron(II): synthesis, spectra and structure. Inorganica Chimica Acta, 1997, 255, 255-268.	1.2	19
77	Macrocyclization of the semiclathrochelate o-carboranylboronate and n-butylboronate iron(II) oximehydrazonates: synthesis and structure of clathrochelate products and unexpected allosteric effect of the apical substituent. Russian Chemical Bulletin, 2007, 56, 1787-1794.	0.4	19
78	Unexpected radical substitution of the dichlorine-containing iron(II) clathrochelate with 1,4-dioxane derivatives: Novel approach to functionalization of its macrobicyclic framework. Polyhedron, 2011, 30, 1233-1237.	1.0	19
79	Characterization of Rh:SrTiO3 photoelectrodes surface-modified with a cobalt clathrochelate and their application to the hydrogen evolution reaction. Electrochimica Acta, 2017, 258, 255-265.	2.6	19
80	Quadrupole Splittings in Trigonal-prismatic Iron(II) Complexes: the Possibility of Obtaining Absolute Partial Quadrupole Splittings. Mendeleev Communications, 1993, 3, 45-47.	0.6	18
81	MACROBICYCLIC D-METAL TRIS-DIOXIMATES OBTAINED BY CROSS-LINKING WITH P-BLOCK ELEMENTS. PART VI. PREPARATION, MOLECULAR STRUCTURE AND MÃ–SSBAUER (57FE, 119SN) PARAMETERS OF AN IRON(II) COMPLEX WITH A MACROBICYCLIC TIN-CONTAINING TRIS-NIOXIMATE LIGAND. Journal of Coordination Chemistry, 1993, 28, 319-328.	0.8	18
82	MACROBICYCLIC d-METAL TRIS-DIOXIMATES OBTAINED BY CROSS-LINKING WITH p-BLOCK ELEMENTS. PART X. THE FIRST CRYSTAL AND MOLECULAR STRUCTURE OF CLATHROCHELATE TRIS-DIOXIMATES WITH NONSYMMETRICAL DIOXIMES:merISOMERS OF AN IRON (II) COMPLEX WITH A MACROBICYCLIC PHENYLBORON PHENYLGLYOXIMATE LIGAND. Journal of Coordination Chemistry, 1993, 28, 97-103.	0.8	18
83	Tris(trifluoromethyl)germanium iodide as a new cross-linking agent in the synthesis of clathrochelates: monomeric mono- and binuclear iron(II) complexes formed by capping with germanium(IV). Inorganica Chimica Acta, 2000, 299, 104-111.	1.2	18
84	Hydrogen production with a designed clathrochelate-based electrocatalytic materials: Synthesis, X-ray structure and redox-properties of the iron cage complexes with pendant (poly)aryl-terminated ribbed substituents. International Journal of Hydrogen Energy, 2017, 42, 27894-27909.	3.8	18
85	Inhibition of DNA synthesis in the transcription system of Taq DNA polymerase by various iron and cobalt(II) tris-dioximate clathrochelates: In vitro study and X-ray structure of leader inhibitors, the carboxyl-terminated macrobicyclic complexesâ˜† Inorganica Chimica Acta, 2018, 482, 90-98.	1.2	18
86	Clathrochelates meet phosphorus: thiophosphorylation of Fe(ii) dichloroclathrochelate precursor, synthesis of N,S-donor macrobicyclic ligands and their Pd(ii) complexes as potent catalysts of Suzuki cross-coupling reaction. Dalton Transactions, 2014, 43, 9677.	1.6	17
87	Binuclear iron(II) cage complexes as electrocatalysts of hydrogen evolution reaction in different hydrogen-producing systems. Electrochimica Acta, 2014, 125, 302-306.	2.6	17
88	Effect of the ligand framework of cobalt clathrochelates on hydrogen evolution electrocatalysis: electrochemical, spectroscopic and Density Functional Theory analyses. Electrochimica Acta, 2017, 245, 1065-1074.	2.6	17
89	Induced chirality of cage metal complexes switched by their supramolecular and covalent binding. Dalton Transactions, 2018, 47, 1036-1052.	1.6	17
90	New types of the germanium-capped clathrochelate iron(II) and cobalt(III) tris-dioximates: The synthesis, structure and electrochemical properties. Inorganic Chemistry Communication, 2011, 14, 1043-1047.	1.8	16

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91	Synthesis, X-ray structure and electrochemical properties of hybrid binuclear metallophthalocyaninate-capped tris-pyridineoximates. New Journal of Chemistry, 2017, 41, 3251-3259.	1.4	16
92	Electrocatalytic hydrogen production using the designed hexaphenanthrene iron, cobalt and ruthenium(II) cage complexes as cathode (pre)catalysts immobilized on carbonaceous substrates. International Journal of Hydrogen Energy, 2020, 45, 26206-26216.	3.8	16
93	MACROBICYCLIC TRIS-DIOXIMATES. REACTIONS OF COBALT (III) TRIS-DIOXIMATES WITH TIN(IV) FLUORIDE AND BROMIDE. Journal of Coordination Chemistry, 1994, 31, 147-155.	0.8	15
94	Induced CD of iron(<scp>ii</scp>) clathrochelates: sensing of the structural and conformational alterations of serum albumins. Metallomics, 2019, 11, 338-348.	1.0	15
95	Cage Metal Complexes: Synthesis, Xâ€ray Structure, and Spectral and Redox Behavior of the First Hybrid Iron(II) Clathrochelatoscorpionate and Its Pyrazoloximeâ€Armed Macrocyclic Intermediate. European Journal of Inorganic Chemistry, 2013, 2013, 1987-1992.	1.0	14
96	Molecular design of cage iron(<scp>ii</scp>) and cobalt(<scp>ii</scp>,<scp>iii</scp>) complexes with a second fluorine-enriched superhydrophobic shell. Dalton Transactions, 2015, 44, 3773-3784.	1.6	14
97	Synthesis, structure and reactivity of iron(II) clathrochelates with terminal formyl (acetal) groups. Inorganica Chimica Acta, 2016, 440, 154-164.	1.2	14
98	Synthesis, X-ray structure and reactivity of the vinyl-terminated iron(II) clathrochelate precursors and their cage derivatives with non-equivalent capping groups. Inorganica Chimica Acta, 2017, 463, 29-35.	1.2	14
99	Allylic boranes are chemistâ€™s best friends: Reactivity, applications, new opportunities. Journal of Organometallic Chemistry, 2009, 694, 1754-1763.	0.8	13
100	New cadmium-promoted reaction of a C-nucleophile: Synthesis and X-ray structure of the first dicyanopyrazine iron(II) clathrochelate. Inorganic Chemistry Communication, 2011, 14, 1504-1507.	1.8	13
101	First example of perfluoroalkylation of a quasi-aromatic encapsulating ligand: 2,5-Dithiahexane-assisted reaction of the iron(II) diiodoclathrochelate with trifluoromethylcopper(I). Inorganic Chemistry Communication, 2013, 33, 147-150.	1.8	13
102	Towards the clathrochelate-based electrochromic materials: The case study of the first iron(II) cage complex with an annelated quinoxaline fragment. Inorganic Chemistry Communication, 2014, 44, 183-187.	1.8	13
103	Dicarboxyl-terminated iron(<scp>ii</scp>) clathrochelates as ICD-reporters for globular proteins. RSC Advances, 2019, 9, 24218-24230.	1.7	13
104	Free-radical Reaction of the Iron(II) Dichloroclathrochelate with Tetrahydrofurane Radical Derivatives: Synthesis and Structure of the Monotetrahydrofuryl-Containing Cage Complex. Macroheterocycles, 2012, 5, 11-16.	0.9	12
105	Stereoselective C-alkylation of an iron(II) dichloroclathrochelate via free-radical reactions with alcohols. Inorganic Chemistry Communication, 2013, 30, 159-162.	1.8	12
106	Template synthesis, structure and properties of 4-pyridinylboron-capped iron(II) clathrochelate precursors for Bubnov diallylation reaction. Inorganic Chemistry Communication, 2013, 33, 57-62.	1.8	12
107	C-carboranylation of a quasi-aromatic iron(II) cage complex and its organic aromatic analog by the metal-catalyzed (promoted) cross-coupling reactions. Inorganic Chemistry Communication, 2014, 43, 142-145.	1.8	12
108	Determination of Large Zero-Field Splitting in High-Spin Co(I) Clathrochelates. Inorganic Chemistry, 2018, 57, 15330-15340.	1.9	12

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109	Cage complexes as a molecular scaffold for assembling of polyfunctional and multicentered systems: Synthesis and structures of the first nitroxide clathrochelates. Russian Chemical Bulletin, 2005, 54, 1125-1130.	0.4	11
110	Free-radical reactions of the tris-dioximate clathrochelates: synthesis and X-ray structure of the first cyclohexyl-substituted monoribbed-functionalized macrobicyclic iron(ii) complex. Russian Chemical Bulletin, 2011, 60, 2504-2509.	0.4	11
111	First example of the ribbed-functionalized iron(ii) clathrochelate with six pendante closo-borate substituents. Russian Chemical Bulletin, 2011, 60, 2518-2521.	0.4	11
112	A New Series of Cobalt and Iron Clathrochelates with Perfluorinated Ribbed Substituents. ACS Omega, 2017, 2, 6852-6862.	1.6	11
113	Sensing of Proteins by ICD Response of Iron(II) Clathrochelates Functionalized by Carboxyalkylsulfide Groups. Biomolecules, 2020, 10, 1602.	1.8	11
114	New types of the hybrid functional materials based on cage metal complexes for (electro) catalytic hydrogen production. Pure and Applied Chemistry, 2020, 92, 1159-1174.	0.9	11
115	Cage complexes as a molecular scaffold for polyfunctional and polytopic systems: Synthesis of the first closo-borate iron(II) clathrochelate. Russian Chemical Bulletin, 2006, 55, 22-25.	0.4	10
116	Synthesis, X-ray structures and properties of the first tris-dioximate cobalt clathrochelates with nonequivalent chelate ribbed fragments. Inorganica Chimica Acta, 2009, 362, 5144-5150.	1.2	10
117	Template synthesis, structure and electropolymerization of the 2-thiopheneboron-capped cobalt(II) clathrochelates. Inorganic Chemistry Communication, 2013, 29, 160-164.	1.8	10
118	Immobilization of functionalized iron(II) clathrochelates with terminal (poly)aromatic group(s) on carbonaceous materials and their detailed cyclic voltammetry study. Electrochimica Acta, 2018, 269, 590-609.	2.6	10
119	Synthesis and spectral characterization of the first fluorescein-tagged iron(<scp>ii</scp>) clathrochelates, their supramolecular interactions with globular proteins, and cellular uptake. RSC Advances, 2021, 11, 8163-8177.	1.7	10
120	Structural peculiarities of a homologous series of iron(II) cage complexes with ribbed glyoximate, methylglyoximate, and dimethylglyoximate chelate fragments. Russian Chemical Bulletin, 2013, 62, 1858-1865.	0.4	9
121	Metal-catalyzed cross-coupling reactions of iron(II) cage complexes: New furyl-containing macrobicyclic scaffold, a reactive halogenoclathrochelate precursor and its ribbed-functionalized derivatives. Inorganic Chemistry Communication, 2014, 44, 134-138.	1.8	9
122	A Mononuclear Mn(II) Pseudoclathrochelate Complex Studied by Multi-Frequency Electron-Paramagnetic-Resonance Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 886-889.	2.1	9
123	MACROBICYCLIC d-METAL TRIS-DIOXIMATES OBTAINED BY CROSS-LINKING WITH p-BLOCK ELEMENTS. XV. CRYSTAL AND MOLECULAR STRUCTURES OF TWO MACROBICYCLIC TIN-CONTAINING COBALT(III) TRIS-DIOXIMATES. Journal of Coordination Chemistry, 1995, 34, 203-213.	0.8	8
124	Encapsulation of organic and inorganic anions: synthesis of macropolycyclic ligands and their anion-receptor properties. Russian Chemical Reviews, 2008, 77, 161-175.	2.5	8
125	Copper(I)-promoted halogen exchange in the iron(II) dichloroclathrochelate. Inorganic Chemistry Communication, 2012, 17, 128-131.	1.8	8
126	Perfluoroarylation of Iron(II) Di- and Hexaiodoclathrochelates - Synthesis, X-ray Structure, and Properties of the First Cage Complexes with Inherent PentafluoroÂphenÂyl Substituent(s). European Journal of Inorganic Chemistry, 2013, 2013, 3178-3184.	1.0	8

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