

# Yan Voloshin

## List of Publications by Year in descending order

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192  
papers

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citations

147726

31  
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197736

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Hybrid iron(II) phthalocyaninatoclathrochelates with a terminal reactive vinyl group and their organo-inorganic polymeric derivatives: synthetic approaches, X-ray structures and copolymerization with styrene. <i>Dalton Transactions</i> , 2022, 51, 5645-5659.	1.6	7
2	Synthesis and spectral characterization of the first fluorescein-tagged iron(II) clathrochelates, their supramolecular interactions with globular proteins, and cellular uptake. <i>RSC Advances</i> , 2021, 11, 8163-8177.	1.7	10
3	Synthesis and Structure of the Bis- and Tris-Polyhedral Hybrid Carboranoclathrochelates with Functionalizing Biorelevant Substituents—The Derivatives of Propargylamine Iron(II) Clathrochelates with Terminal Triple C—C Bond(s). <i>Molecules</i> , 2021, 26, 3635.	1.7	1
4	Dramatic Effect of A Ring Size of Alicyclic $\pm$ -Dioximate Ligand Synthons on Kinetics of the Template Synthesis and of the Acidic Decomposition of the Methylboron-Capped Iron(II) Clathrochelates. <i>Molecules</i> , 2021, 26, 4019.	1.7	4
5	First Iron(II) Clathrochelate with a Temperature-Induced Spin Crossover to an Elusive High-Spin State. <i>Crystal Growth and Design</i> , 2021, 21, 4594-4606.	1.4	7
6	Functional supramolecular systems: design and applications. <i>Russian Chemical Reviews</i> , 2021, 90, 895-1107.	2.5	93
7	Polyaromatic-terminated iron(II) clathrochelates as electrocatalysts for efficient hydrogen production in water electrolysis cells with polymer electrolyte membrane. <i>Mendeleev Communications</i> , 2021, 31, 20-23.	0.6	8
8	Spectroelectrochemical Properties and Catalytic Activity in Cyclohexane Oxidation of the Hybrid Zr/Hf-Phthalocyaninate-Capped Nickel(II) and Iron(II) tris-Pyridineoximates and Their Precursors. <i>Molecules</i> , 2021, 26, 336.	1.7	5
9	Unexpected Side Products of Chemical Transformations in Cobalt(II) Pseudoclathrochelates: An X-Ray Diffraction Study. <i>ChemistrySelect</i> , 2020, 5, 12307-12312.	0.7	1
10	Sensing of Proteins by ICD Response of Iron(II) Clathrochelates Functionalized by Carboxyalkylsulfide Groups. <i>Biomolecules</i> , 2020, 10, 1602.	1.8	11
11	Electrocatalytic hydrogen production using the designed hexaphenanthrene iron, cobalt and ruthenium(II) cage complexes as cathode (pre)catalysts immobilized on carbonaceous substrates. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26206-26216.	3.8	16
12	Solvent-Induced Encapsulation of Cobalt(II) Ion by a Boron-Capped tris-Pyrazoloximate. <i>Inorganic Chemistry</i> , 2020, 59, 5845-5853.	1.9	22
13	New types of the hybrid functional materials based on cage metal complexes for (electro) catalytic hydrogen production. <i>Pure and Applied Chemistry</i> , 2020, 92, 1159-1174.	0.9	11
14	Dicarboxyl-terminated iron(II) clathrochelates as ICD-reporters for globular proteins. <i>RSC Advances</i> , 2019, 9, 24218-24230.	1.7	13
15	Chemical design of the heterodifunctionalized iron(II) clathrochelates with terminal biorelevant carboxyl group and reactive triple C—C bond: Synthesis, structure, redox properties and their stability in various media. <i>Inorganica Chimica Acta</i> , 2019, 496, 119047.	1.2	4
16	Iron(II) Clathrochelate with Terminal Triple C—C Bond and Its Carboranoclathrochelate Derivative with a Flexible Linker between the Polyhedral Cages: Synthesis and X-Ray Structure. <i>ChemistrySelect</i> , 2019, 4, 11572-11577.	0.7	4
17	Preparation and Electrochemistry of Iron, Ruthenium, and Cobalt(II) Hexaphenanthrene Clathrochelates Designed for Efficient Electrocatalytic Hydrogen Production and Their Physisorption on Carbon Materials. <i>Journal of the Electrochemical Society</i> , 2019, 166, H598-H607.	1.3	7
18	Induced CD of iron(II) clathrochelates: sensing of the structural and conformational alterations of serum albumins. <i>Metallomics</i> , 2019, 11, 338-348.	1.0	15

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19	A Trigonal Prismatic Cobalt(II) Complex as a Single Molecule Magnet with a Reduced Contribution from Quantum Tunneling. <i>ChemPhysChem</i> , 2019, 20, 1001-1005.	1.0	37
20	New heterogeneous catalytic systems based on highly porous ceramic materials modified with immobilized d-metal cage complexes for H <sub>2</sub> production from CH <sub>4</sub> . <i>Mendeleev Communications</i> , 2019, 29, 669-671.	0.6	3
21	Molecular design and structural peculiarities of the 3- and 4-pyridylboron-capped tris-glyoximate and tris-dichloroglyoximate iron(II) clathrochelates with apical donor groups. <i>Polyhedron</i> , 2019, 160, 108-114.	1.0	5
22	Pseudomacrobicyclic Phthalocyaninate-Capped Cobalt(III) tris-Pyridineoximates: Template Synthesis, X-Ray Structure and Spectral Characteristics. <i>Macromolecules</i> , 2019, 12, 193-197.	0.9	4
23	Extension and functionalization of an encapsulating macrobicyclic ligand using palladium-catalyzed Suzuki-Miyaura and Sonogashira reactions of iron(II) dihalogenoclathrochelates with inherent halogen substituents. <i>RSC Advances</i> , 2018, 8, 13578-13587.	1.7	6
24	Synthesis and characterization of an Fe(II) cage complex with high stability towards strong H-acids. <i>Chemical Communications</i> , 2018, 54, 3436-3439.	2.2	20
25	Pseudoclathrochelate n-hexadecylboron-capped metal(II) tris-pyrazoloximates: synthesis, X-ray structure, spectral and magnetic characteristics. <i>Inorganica Chimica Acta</i> , 2018, 471, 413-418.	1.2	8
26	Induced chirality of cage metal complexes switched by their supramolecular and covalent binding. <i>Dalton Transactions</i> , 2018, 47, 1036-1052.	1.6	17
27	Very Large Magnetic Anisotropy of Cage Cobalt(II) Complexes with a Rigid Cholesteryl Substituent from Paramagnetic NMR Spectroscopy. <i>ACS Omega</i> , 2018, 3, 4941-4946.	1.6	20
28	Immobilization of functionalized iron(II) clathrochelates with terminal (poly)aromatic group(s) on carbonaceous materials and their detailed cyclic voltammetry study. <i>Electrochimica Acta</i> , 2018, 269, 590-609.	2.6	10
29	The molecular design of cage metal complexes for biological applications: pathways of the synthesis, and X-ray structures of a series of new N <sub>2</sub> -, S <sub>2</sub> - and O <sub>2</sub> -alicyclic iron(II) di- and tetrachloroclathrochelates. <i>New Journal of Chemistry</i> , 2018, 42, 56-66.	1.4	5
30	Determination of Large Zero-Field Splitting in High-Spin Co(I) Clathrochelates. <i>Inorganic Chemistry</i> , 2018, 57, 15330-15340.	1.9	12
31	Unexpected Product of the Reaction of Iron(II) Dichloroclathrochelate with the [Fe <sub>2</sub> (S) <sub>2</sub> (CO) <sub>6</sub> ] <sup>2-</sup> Cluster Dianion: Synthesis and X-ray Diffraction Structure of the First Cage Complex with Thiol Groups Inherently Bonded to a Macrobicyclic Framework. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 496-501.	0.3	0
32	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 complexes†. <i>Inorganica Chimica Acta</i> , 2018, 482, 90-98.	1.2	18
33	How Good is Clathrochelate Framework in Facilitating Long-Range Electron-Transfer? Case Study of the Ferrocenylboron-Capped Iron(II) Clathrochelate. <i>Macromolecules</i> , 2018, 11, 246-250.	0.9	1
34	Spectrophotometrical Study of the Physisorption of Iron(II) Clathrochelates Containing Terminal Phenanthrenyl Group(s) on Carbon Paper. <i>Macromolecules</i> , 2018, 11, 449-453.	0.9	4
35	A Convenient Synthetic Route towards the Hybrid Binuclear Metallophthalocyaninato-Capped Iron and Nickel(II) Tris-pyridineoximates. <i>Macromolecules</i> , 2018, 11, 418-420.	0.9	5
36	Synthesis, X-ray structure and electrochemical properties of hybrid binuclear metallophthalocyaninate-capped tris-pyridineoximates. <i>New Journal of Chemistry</i> , 2017, 41, 3251-3259.	1.4	16

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37	Effect of the ligand framework of cobalt clathrochelates on hydrogen evolution electrocatalysis: electrochemical, spectroscopic and Density Functional Theory analyses. <i>Electrochimica Acta</i> , 2017, 245, 1065-1074.	2.6	17
38	Synthesis, X-ray structure and reactivity of the vinyl-terminated iron(II) clathrochelate precursors and their cage derivatives with non-equivalent capping groups. <i>Inorganica Chimica Acta</i> , 2017, 463, 29-35.	1.2	14
39	Cage Metal Complexes. , 2017, , .		61
40	Synthesis and Reactivity of Cage Metal Complexes. , 2017, , 3-229.		0
41	Practical Applications of Cage Metal Complexes. , 2017, , 341-405.		0
42	Spacial and Electronic Structure of Cage Metal Complexes. , 2017, , 231-324.		1
43	Trigonal Prismatic Tris-pyridineoximate Transition Metal Complexes: A Cobalt(II) Compound with High Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2017, 56, 6943-6951.	1.9	49
44	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. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27894-27909.	3.8	18
45	Characterization of Rh: SrTiO <sub>3</sub> photoelectrodes surface-modified with a cobalt clathrochelate and their application to the hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2017, 258, 255-265.	2.6	19
46	A New Series of Cobalt and Iron Clathrochelates with Perfluorinated Ribbed Substituents. <i>ACS Omega</i> , 2017, 2, 6852-6862.	1.6	11
47	Clathrochelate iron(II) tris-nioximates with non-equivalent capping groups and their precursors: synthetic strategies, X-ray structure, and reactivity. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2313-2333.	0.8	5
48	Synthesis and X-ray structure of methyl esters of the dicarboxyphenylsulfide iron(II) clathrochelates. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3931-3945.	0.8	1
49	Magnetic Properties, EPR, and Paramagnetic NMR Spectra of Cage Metal Complexes. , 2017, , 325-339.		0
50	Synthesis and X-Ray Structure of the Monofunctionalized Amide-Terminated Phenylsulfide Iron(II) Clathrochelates. <i>Macroheterocycles</i> , 2017, 10, 552-559.	0.9	0
51	UV-Vis Spectra and Aggregation of Hybrid Binuclear Lacunar Complexes. <i>Macroheterocycles</i> , 2017, 10, 540-542.	0.9	2
52	Intramolecular self-alkylation reaction of an iron(II) dichloroclathrochelate caused cyclizationâ€“demethylation in its chelate ribbed fragment. <i>Inorganic Chemistry Communication</i> , 2016, 67, 80-84.	1.8	2
53	The Encapsulation Phenomenon. , 2016, , .		27
54	Encapsulation by Covalent Capsules. , 2016, , 9-138.		1

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55	Synthesis, structure and ADMET properties of the monoribbed-functionalized iron(II) clathrochelates with terminal DNA-relevant groups. <i>Inorganica Chimica Acta</i> , 2016, 448, 7-15.	1.2	8
56	Polymorphism in a Cobalt-Based Single-Ion Magnet Tuning Its Barrier to Magnetization Relaxation. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4111-4116.	2.1	95
57	New rhenium(III) semiclatrochelates with biorelevant apical substituents: Synthesis, X-ray structure and reactivity. <i>Inorganic Chemistry Communication</i> , 2016, 72, 23-29.	1.8	5
58	Template synthesis and X-ray structure of the tris-glyoximate iron(II) clathrochelates with terminal reactive groups. <i>Inorganica Chimica Acta</i> , 2016, 453, 210-221.	1.2	6
59	Preparation, X-ray Structures, Spectroscopic, and Redox Properties of Di- and Trinuclear Iron <sup>II</sup> -Zirconium and Iron <sup>II</sup> -Hafnium Porphyrinoclatrochelates. <i>Inorganic Chemistry</i> , 2016, 55, 11867-11882.	1.9	24
60	Synthesis, structure and reactivity of iron(II) clathrochelates with terminal formyl (acetal) groups. <i>Inorganica Chimica Acta</i> , 2016, 440, 154-164.	1.2	14
61	Cytotoxicity of electrophilic iron(II)-clathrochelates in human promyelocytic leukemia cell line. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 626-629.	1.0	23
62	Clathrochelates meet phosphorus. New thio- and phosphorylation reactions of an iron(ii) dichloroclatrochelate precursor and preparation of its first phosphorus(iii)-containing macrobicyclic derivative. <i>Dalton Transactions</i> , 2016, 45, 5328-5333.	1.6	6
63	Ligand Aspect Ratio as a Decisive Factor for the Self-Assembly of Coordination Cages. <i>Journal of the American Chemical Society</i> , 2016, 138, 2046-2054.	6.6	133
64	An interaction of the functionalized closo -borates with albumins: The protein fluorescence quenching and calorimetry study. <i>Journal of Luminescence</i> , 2016, 169, 51-60.	1.5	35
65	Using Minisci Reaction for Modification of the tris-Dioximate Metal Clathrochelates: Free-Radical Substitution at the Glyoximate Fragment of an Iron(II)-Encapsulating Cage Framework. <i>Macrocyclic Chemistry</i> , 2016, 9, 413-417.	0.9	0
66	Synthesis, X-Ray Structure and (Spectro)electrochemical Study of an Electrochromic Iron(II) Clathrochelate with Tuned Redox Properties. <i>Macrocyclic Chemistry</i> , 2016, 9, 257-262.	0.9	0
67	Template Synthesis and X-Ray Structure of the First Cobalt(II) Glyoximate Clathrochelate with Terminal Formyl Groups. <i>Macrocyclic Chemistry</i> , 2016, 9, 402-405.	0.9	1
68	Electrophilic Addition of Polyaromatic o-Quinones to an Iron(II) Diaminoclatrochelate Leading to the Macrobicyclic Iron(II) tris-Dioximates with Extended Annulated Ribbed Substituents. <i>Macrocyclic Chemistry</i> , 2016, 9, 406-412.	0.9	0
69	Reactivity of Coordinated $\hat{\pm}$ -Dioximate Ribbed Fragments of the iron (II) Clathrochelate Framework in the System $\text{DMSO} \left( \text{H}^{2+} \right) \text{O} \left( \text{Fe(II)} \right) \left( \text{H}^{2+} \right) \text{O}^{2-}$ . <i>Current Inorganic Chemistry</i> , 2015, 5, 71-76.	0.2	2
70	Synthesis and Temperature-Induced Structural Phase and Spin Transitions in Hexadecylboron-Capped Cobalt(II) Hexachloroclatrochelate and Its Diamagnetic Iron(II)-Encapsulating Analogue. <i>Inorganic Chemistry</i> , 2015, 54, 5827-5838.	1.9	39
71	Molecular design of cage iron(II) and cobalt(II,III) complexes with a second fluorine-enriched superhydrophobic shell. <i>Dalton Transactions</i> , 2015, 44, 3773-3784.	1.6	14
72	First iron and cobalt(ii) hexabromoclatrochelates: structural, magnetic, redox, and electrocatalytic behavior. <i>Dalton Transactions</i> , 2015, 44, 2476-2487.	1.6	33

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73	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. <i>Journal of the American Chemical Society</i> , 2015, 137, 9792-9795.	6.6	284
74	Recent advances in biological applications of cage metal complexes. <i>RSC Advances</i> , 2015, 5, 72621-72637.	1.7	38
75	Free-Radical Reaction of Iron(II) Dichloroclathrochelate with 1,3-Dioxolane Radical Derivative: Synthesis and Structure of Macrobicyclic tris-Dioximate Bearing 1,3-Dioxolan-2-yl Ribbed Substituent. <i>Macroheterocycles</i> , 2015, 8, 71-74.	0.9	3
76	Copper(I)- and copper(0)-promoted homocoupling and homocoupling/hydrodehalogenation reactions of dihalogenoclathrochelate precursors for C-C conjugated iron(II) bis-cage complexes. <i>Dalton Transactions</i> , 2014, 43, 17934-17948.	1.6	26
77	Synthesis, structure, and reactivity of C-isopropyl-ortho-carborane organoboron derivatives. <i>Russian Chemical Bulletin</i> , 2014, 63, 2343-2350.	0.4	4
78	Metal-catalyzed cross-coupling reactions of iron(II) cage complexes: New furyl-containing macrobicyclic scaffold, a reactive halogenoclathrochelate precursor and its ribbed-functionalized derivatives. <i>Inorganic Chemistry Communication</i> , 2014, 44, 134-138.	1.8	9
79	Copper-promoted reductive homocoupling of quasi-aromatic iron(II) clathrochelates: boosting the inhibitory activity in a transcription assay. <i>Chemical Communications</i> , 2014, 50, 3166.	2.2	30
80	Study of anti-fibrillogenic activity of iron(II) clathrochelates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1883-1888.	1.4	33
81	Towards the clathrochelate-based electrochromic materials: The case study of the first iron(II) cage complex with an annelated quinoxaline fragment. <i>Inorganic Chemistry Communication</i> , 2014, 44, 183-187.	1.8	13
82	Spin-Crossover Anticooperativity Induced by Weak Intermolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 496-500.	2.1	55
83	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. <i>Dalton Transactions</i> , 2014, 43, 9677.	1.6	17
84	Transition Ion Strikes Back: Large Magnetic Susceptibility Anisotropy in Cobalt(II) Clathrochelates. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3799-3803.	2.1	62
85	A Mononuclear Mn(II) Pseudoclathrochelate Complex Studied by Multi-Frequency Electron-Paramagnetic-Resonance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 886-889.	2.1	9
86	Synthesis of the first morpholine-containing iron(II) clathrochelates: A new class of efficient functionalized transcription inhibitors. <i>Inorganica Chimica Acta</i> , 2014, 421, 300-306.	1.2	21
87	Binuclear iron(II) cage complexes as electrocatalysts of hydrogen evolution reaction in different hydrogen-producing systems. <i>Electrochimica Acta</i> , 2014, 125, 302-306.	2.6	17
88	C-carboranylation of a quasi-aromatic iron(II) cage complex and its organic aromatic analog by the metal-catalyzed (promoted) cross-coupling reactions. <i>Inorganic Chemistry Communication</i> , 2014, 43, 142-145.	1.8	12
89	Chloride Ion-Aided Self-Assembly of Pseudoclathrochelate Metal Tris-pyrazoloximates. <i>Inorganic Chemistry</i> , 2014, 53, 3062-3071.	1.9	30
90	On a Way to New Types of the Hybrid Polyazomethine-Pyrazolate Metal Pseudomacrobicyclic Complexes: the Synthesis and Structure of Their Ligand Synthones. <i>Macroheterocycles</i> , 2014, 7, 34-39.	0.9	1



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91	ESI-MS Study of Ionization Pathways and Cation-Receptor Properties of the Iron(II) Mono- and Bis-Clathrochelates. <i>Macrocyclic Chemistry</i> , 2014, 7, 302-310.	0.9	1
92	Interaction of the Iron(II) Cage Complexes With Proteins: Protein Fluorescence Quenching Study. <i>Journal of Fluorescence</i> , 2013, 23, 889-895.	1.3	25
93	New hydroxylamine-containing macrobicyclic encapsulating ligand: Unexpected double addition of ethyl radicals to the azomethine fragment of a boron-capped iron(II) clathrochelate dioximate. <i>Inorganic Chemistry Communication</i> , 2013, 36, 117-121.	1.8	5
94	Structural peculiarities of a homologous series of iron(II) cage complexes with ribbed glyoximate, methylglyoximate, and dimethylglyoximate chelate fragments. <i>Russian Chemical Bulletin</i> , 2013, 62, 1858-1865.	0.4	9
95	Template synthesis, structure and electropolymerization of the 2-thiopheneboron-capped cobalt(II) clathrochelates. <i>Inorganic Chemistry Communication</i> , 2013, 29, 160-164.	1.8	10
96	Synthesis of Conjugates of the Iron(II) Tris-Dioximates and the Dithiol-Terminated Calix[4]Arenes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 503-506.	0.8	4
97	Stereoselective C-alkylation of an iron(II) dichloroclathrochelate via free-radical reactions with alcohols. <i>Inorganic Chemistry Communication</i> , 2013, 30, 159-162.	1.8	12
98	Apically linked iron(II) $\hat{\pm}$ -dioximate and $\hat{\pm}$ -oximehydrazonate bis-clathrochelates: synthesis, structure and electrocatalytic properties. <i>Dalton Transactions</i> , 2013, 42, 13667.	1.6	20
99	First example of perfluoroalkylation of a quasi-aromatic encapsulating ligand: 2,5-Dithiahexane-assisted reaction of the iron(II) diiodoclathrochelate with trifluoromethylcopper(I). <i>Inorganic Chemistry Communication</i> , 2013, 33, 147-150.	1.8	13
100	Template synthesis, structure and properties of 4-pyridinylboron-capped iron(II) clathrochelate precursors for Bubnov diallylation reaction. <i>Inorganic Chemistry Communication</i> , 2013, 33, 57-62.	1.8	12
101	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. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2753-2759.	1.5	49
102	First Phosphorus Functionalized Clathrochelate Iron(II) $\hat{\pm}$ -Dioximates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 159-161.	0.8	3
103	A new type of polytopic coordination compound: The synthesis and NMR studies of the first hybrid thiacalix[4]arenoclathrochelates. <i>Polyhedron</i> , 2013, 50, 90-100.	1.0	4
104	Template synthesis, X-ray structure, spectral and redox properties of the paramagnetic alkylboron-capped cobalt(II) clathrochelates and their diamagnetic iron(II)-containing analogs. <i>Inorganica Chimica Acta</i> , 2013, 399, 67-78.	1.2	25
105	Cage Metal Complexes: Synthesis, X-ray Structure, and Spectral and Redox Behavior of the First Hybrid Iron(II) Clathrochelate-scorpionate and Its Pyrazoloxime-armed Macrocyclic Intermediate. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1987-1992.	1.0	14
106	Unexpected transformation of mono- to bis-macrobicyclic dimethylglyoximate framework in a chloroform solution: Photochemical, MALDI-TOF MS and X-ray diffraction studies. <i>Inorganic Chemistry Communication</i> , 2013, 35, 242-246.	1.8	7
107	Iron vs. cobalt clathrochelate electrocatalysts of HER: the first example on a cage iron complex. <i>Dalton Transactions</i> , 2013, 42, 4373.	1.6	39
108	Size matters, so does shape: Inhibition of transcription of T7 RNA polymerase by iron(II) clathrochelates. <i>Journal of Inorganic Biochemistry</i> , 2013, 124, 42-45.	1.5	45

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109	First clathrochelate iron and cobalt(II) tris-dioximates with reactive apical substituents. <i>Inorganic Chemistry Communication</i> , 2013, 30, 53-57.	1.8	20
110	Perfluoroarylation of Iron(II) Di- and Hexaiodoclathrochelates - Synthesis, X-ray Structure, and Properties of the First Cage Complexes with Inherent PentafluoroPhenyl Substituent(s). <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3178-3184.	1.0	8
111	Cage Metal Complexes: Synthesis, X-ray Structure, and Spectral and Redox Behavior of the First Hybrid Iron(II) Clathrochelatoscorpionate and Its Pyrazoloxime-Armed Macrocyclic Intermediate <sup>3</sup> . <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1972-1972.	1.0	1
112	Free-radical Reaction of the Iron(II) Dichloroclathrochelate with Tetrahydrofurane Radical Derivatives: Synthesis and Structure of the Monotetrahydrofuryl-Containing Cage Complex. <i>Macroheterocycles</i> , 2012, 5, 11-16.	0.9	12
113	First "Click"-Synthesis of the Ribbed-Functionalized Metal Clathrochelates: Cycloaddition of Benzyl Azide to Propargylamine Iron(II) Macrobicyclic and the Unexpected Transformations of the Resulting Cage Complex. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4507-4514.	1.0	21
114	Synthesis and structure of the first clathrochelate iron(II) tris-dioximates with inherent nitrile substituent(s) and new dehalogenation $\text{H}^+$ reduction reaction at a quasi-aromatic macrobicyclic framework. <i>Dalton Transactions</i> , 2012, 41, 921-928.	1.6	23
115	Insight into the Electronic Structure, Optical Properties, And Redox Behavior of the Hybrid Phthalocyaninoclathrochelates from Experimental and Density Functional Theory Approaches. <i>Inorganic Chemistry</i> , 2012, 51, 8362-8372.	1.9	37
116	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(II) and cobalt(II) dioximates with ribbed perfluoroarylsulfide substituents. <i>Dalton Transactions</i> , 2012, 41, 737-746.	1.6	40
117	Synthesis, structure, properties and immobilization on a gold surface of the monoribbed-functionalized tris-dioximate cobalt(II) clathrochelates and an electrocatalytic hydrogen production from $\text{H}^+$ ions. <i>Dalton Transactions</i> , 2012, 41, 6078.	1.6	58
118	Copper(I)-promoted halogen exchange in the iron(II) dichloroclathrochelate. <i>Inorganic Chemistry Communication</i> , 2012, 17, 128-131.	1.8	8
119	Synthesis, spectra and properties of the first protono- and ionogenic tris-dioximate iron(II) clathrochelates. <i>Polyhedron</i> , 2012, 40, 32-39.	1.0	22
120	Efficient electrocatalytic hydrogen production from $\text{H}^+$ ions using specially designed boron-capped cobalt clathrochelates. <i>Chemical Communications</i> , 2011, 47, 7737.	2.2	82
121	Free-radical reactions of the tris-dioximate clathrochelates: synthesis and X-ray structure of the first cyclohexyl-substituted monoribbed-functionalized macrobicyclic iron(II) complex. <i>Russian Chemical Bulletin</i> , 2011, 60, 2504-2509.	0.4	11
122	Reactions of dichloro-substituted iron(II) clathrochelate with 1,4-dioxane radical derivatives: synthesis, structure, and spectral characteristics of the dioxane ring opening product in the ribbed fragment of the macrobicyclic ligand. <i>Russian Chemical Bulletin</i> , 2011, 60, 2510-2517.	0.4	5
123	First example of the ribbed-functionalized iron(II) clathrochelate with six pendant closo-borate substituents. <i>Russian Chemical Bulletin</i> , 2011, 60, 2518-2521.	0.4	11
124	New types of the germanium-capped clathrochelate iron(II) and cobalt(III) tris-dioximates: The synthesis, structure and electrochemical properties. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1043-1047.	1.8	16
125	New cadmium-promoted reaction of a C-nucleophile: Synthesis and X-ray structure of the first dicyanopyrazine iron(II) clathrochelate. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1504-1507.	1.8	13
126	The first monoribbed-functionalized tris-dioximate iron(II) clathrochelate with two inherent $\text{NH}_2$ -substituents, its reactivity, acid-base and coordination-chemical properties. <i>Inorganica Chimica Acta</i> , 2011, 366, 91-97.	1.2	22



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127	Synthesis, structural and electrochemical features of alicyclic and aromatic $\text{N}_2$ - and $\text{S}_2$ -dioximate macrobicyclic cobalt(II,III) and ruthenium(II) tris-complexes. <i>Inorganica Chimica Acta</i> , 2011, 370, 322-332.	1.2	27
128	Unexpected radical substitution of the dichlorine-containing iron(II) clathrochelate with 1,4-dioxane derivatives: Novel approach to functionalization of its macrobicyclic framework. <i>Polyhedron</i> , 2011, 30, 1233-1237.	1.0	19
129	Tris-dioximate Cobalt(I,II,III) Clathrochelates: Stabilization of Different Oxidation and Spin States of an Encapsulated Metal Ion by Ribbed Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5401-5415.	1.0	75
130	Synthesis, X-ray structure and redox properties of the macrobicyclic iron(II) $\text{N}_2$ - and $\text{S}_2$ -containing vic-dioximates. <i>Inorganica Chimica Acta</i> , 2010, 363, 134-146.	1.2	22
131	Template synthesis, structure and spectra of the semiclathrochelate and clathrochelate 1,4-pentadienylboron-capped iron(II) oximehydrazonates. <i>Inorganica Chimica Acta</i> , 2010, 363, 395-403.	1.2	5
132	Single molecular switch based on thiol tethered iron(II)clathrochelate on gold. <i>Electrochimica Acta</i> , 2009, 54, 5431-5438.	2.6	26
133	Ferrocenyl-containing iron(ii) clathrochelate-benzoyl peroxide, a new initiating system for radical polymerization of methyl methacrylate. <i>Russian Chemical Bulletin</i> , 2009, 58, 1162-1165.	0.4	1
134	Synthesis and structure of monoribbed-functionalized disulfide iron(II) clathrochelates and their coordination as the ligands toward platinum(II) and platinum(IV) ions. <i>Inorganica Chimica Acta</i> , 2009, 362, 149-158.	1.2	21
135	Synthesis, structure and electron-mediator properties of the mono- and difunctionalized macrobicyclic iron(II) tris-dioximates with thiol terminated ribbed spacer substituents. <i>Inorganica Chimica Acta</i> , 2009, 362, 2982-2988.	1.2	25
136	Synthesis, X-ray structures and properties of the first tris-dioximate cobalt clathrochelates with nonequivalent chelate ribbed fragments. <i>Inorganica Chimica Acta</i> , 2009, 362, 5144-5150.	1.2	10
137	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. <i>Polyhedron</i> , 2009, 28, 3431-3438.	1.0	24
138	Allylic boranes are chemists' best friends: Reactivity, applications, new opportunities. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1754-1763.	0.8	13
139	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. <i>Inorganic Chemistry Communication</i> , 2009, 12, 135-139.	1.8	22
140	The first ribbed functionalized tris-dioximate clathrochelates with inherent hydroxyl substituents: Synthesis, spectra and X-ray structure. <i>Inorganic Chemistry Communication</i> , 2009, 12, 919-922.	1.8	5
141	Synthesis and structure of the ferrocenylboron-capped clathrochelate iron(ii) oximehydrazonates. <i>Russian Chemical Bulletin</i> , 2008, 57, 1215-1222.	0.4	4
142	Template synthesis and structures of bis-ferrocenylboronate macrobicyclic iron(ii) tris-dioximates. <i>Russian Chemical Bulletin</i> , 2008, 57, 1223-1230.	0.4	1
143	The first example of the alkoxy-containing iron(ii) tris-dioximate clathrochelate: synthesis, structure, and properties. <i>Russian Chemical Bulletin</i> , 2008, 57, 1308-1313.	0.4	4
144	Crystal and molecular structures of pinacol ester of ferrocenyl-1,1-diboronic acid. <i>Russian Chemical Bulletin</i> , 2008, 57, 1314-1316.	0.4	0

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145	New antimony-capped iron(II) and cobalt(III) clathrochelate precursors of the polytopic hybrid cage complexes: Synthesis, X-ray structures and electrochemistry. <i>Polyhedron</i> , 2008, 27, 325-334.	1.0	20
146	Synthesis and structure of the first clathrochelate ligand with a cis-diimidazolyl donor fragment. <i>Inorganic Chemistry Communication</i> , 2008, 11, 988-991.	1.8	6
147	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. <i>Inorganic Chemistry</i> , 2008, 47, 2155-2161.	1.9	27
148	Encapsulation of organic and inorganic anions: synthesis of macropolycyclic ligands and their anion-receptor properties. <i>Russian Chemical Reviews</i> , 2008, 77, 161-175.	2.5	8
149	Cage iron(II) complexes with apical and ribbed adamantyl substituents: The creation of second (hydrophobic) shell of an encapsulated metal ion. <i>Inorganica Chimica Acta</i> , 2007, 360, 1543-1554.	1.2	30
150	First hybrid oximehydrazonate phthalocyaninoclathrochelates: The synthesis and properties of lutetium phthalocyanine-capped cage iron(II) complexes. <i>Polyhedron</i> , 2007, 26, 2733-2740.	1.0	20
151	Cage complexes of transition metals in biochemistry and medicine. <i>Russian Chemical Bulletin</i> , 2007, 56, 577-605.	0.4	33
152	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. <i>Russian Chemical Bulletin</i> , 2007, 56, 1787-1794.	0.4	19
153	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. <i>Inorganica Chimica Acta</i> , 2006, 359, 553-569.	1.2	30
154	Cage complexes as a molecular scaffold for polyfunctional and polytopic systems: Synthesis of the first closo-borate iron(II) clathrochelate. <i>Russian Chemical Bulletin</i> , 2006, 55, 22-25.	0.4	10
155	Cage complexes as a molecular scaffold for assembling of polyfunctional and multicentered systems: Synthesis of ribbed-functionalized dopamine-containing iron(II) clathrochelate and its properties as a receptor for boric acid. <i>Russian Chemical Bulletin</i> , 2006, 55, 1119-1125.	0.4	3
156	Application of the allylboration reaction of terminal acetylenes with allyldihaloboranes for the preparation of capping agents for the synthesis of precursors of polymeric iron(II) clathrochelates. <i>Russian Chemical Bulletin</i> , 2006, 55, 1971-1981.	0.4	5
157	Reactivity of iron(II) dichloride clathrochelate: Synthesis and properties of mono- and disubstituted amino clathrochelates. <i>Russian Chemical Bulletin</i> , 2006, 55, 1982-1988.	0.4	7
158	Template synthesis and structure of mono- and trisubstituted ribbed-functionalized iron(II) clathrochelates. <i>Inorganica Chimica Acta</i> , 2005, 358, 131-146.	1.2	24
159	Tuning a Metal's Oxidation State: The Potential of Clathrochelate Systems. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3400-3402.	7.2	73
160	Unexpected macrocyclization of ruthenium(II) bis- $\beta$ -benzylidioximate: synthesis and structure of the BF <sub>2</sub> -cross-linked cyclooctadiene complex. <i>Russian Chemical Bulletin</i> , 2005, 54, 816-819.	0.4	2
161	Cage complexes as a molecular scaffold for assembling of polyfunctional and multicentered systems: Synthesis and structures of the first nitroxide clathrochelates. <i>Russian Chemical Bulletin</i> , 2005, 54, 1125-1130.	0.4	11
162	Ditopic Macropolycyclic Complexes: Synthesis of Hybrid Phthalocyaninoclathrochelates. <i>Inorganic Chemistry</i> , 2005, 44, 822-824.	1.9	49

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163	Pathways of directed synthesis of iron(II) clathrochelates and polyclathrochelates with non-equivalent capping groups starting from antimony- and germanium-containing precursors. <i>Inorganica Chimica Acta</i> , 2004, 357, 3187-3204.	1.2	30
164	Synthesis and DNA binding properties of dioxime-peptide nucleic acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2927-2930.	1.0	24
165	First trigonal-antiprismatic tris-dichloroglyoximate iron(ii) clathrochelate and its reactivity in nucleophilic substitution reactions. <i>New Journal of Chemistry</i> , 2003, 27, 1148-1155.	1.4	32
166	Encapsulation of ruthenium(ii) with macrobicyclic dioxime-functionalized ligands: on the way to new types of DNA-cleaving agents and probes. <i>Dalton Transactions RSC</i> , 2002, , 1203-1211.	2.3	49
167	Clathrochelate monoribbed-functionalized iron(ii) $\hat{\pm}$ -dioximates: synthetic pathways and structural and electrochemical features. <i>Dalton Transactions RSC</i> , 2002, , 1193.	2.3	73
168	Title is missing!. <i>Hyperfine Interactions</i> , 2002, 141/142, 309-320.	0.2	30
169	Template synthesis, structure and unusual series of phase transitions in clathrochelate iron(II) $\hat{\pm}$ -dioximates and oximehydrazonates formed by capping with functionalized boron-containing agents. <i>Polyhedron</i> , 2001, 20, 2721-2733.	1.0	45
170	Reactions of chloride iron(II) clathrochelates with aliphatic amines: an unexpected influence of the nature of the amine and solvent on the reaction products. <i>Inorganica Chimica Acta</i> , 2001, 321, 116-134.	1.2	28
171	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). <i>Inorganica Chimica Acta</i> , 2000, 299, 104-111.	1.2	18
172	Triribbed-Functionalized Clathrochelate Iron(II) Dioximates as a New and Promising Tool To Obtain Polynucleating and Polynuclear Compounds with Improved Properties. <i>Inorganic Chemistry</i> , 2000, 39, 1907-1918.	1.9	106
173	New capping agents for oximehydrazonate clathrochelates: sterically controlled synthesis, structural characterization and intramolecular reactions. <i>Inorganica Chimica Acta</i> , 1999, 284, 180-190.	1.2	23
174	The synthesis and structure of a macrobicyclic hexahalogenide trisdioximate as a promising precursor of functionalized clathrochelates. <i>New Journal of Chemistry</i> , 1999, 23, 355-358.	1.4	38
175	Macrocyclic iron (II) oximehydrazonates and $\hat{\pm}$ -dioximates formed by capping with antimony (V) triorganyles: the first synthesis of antimony-containing clathrochelates. <i>Inorganic Chemistry Communication</i> , 1998, 1, 328-331.	1.8	24
176	Synthesis, spectral and electrochemical characteristics of asymmetrical iron(II) tris-dioximates. <i>Polyhedron</i> , 1998, 17, 4315-4326.	1.0	25
177	Template synthesis, structure and electrochemistry of trinuclear iron(II) clathrochelate dioximates with ferrocenylboron fragments. <i>Journal of Organometallic Chemistry</i> , 1997, 536-537, 207-216.	0.8	25
178	A new type of binuclear oximehydrazonate clathrochelates of iron(II): synthesis, spectra and structure. <i>Inorganica Chimica Acta</i> , 1997, 255, 255-268.	1.2	19
179	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. <i>Journal of Coordination Chemistry</i> , 1995, 34, 203-213.	0.8	8
180	MACROBICYCLIC TRIS-DIOXIMATES. REACTIONS OF COBALT (III) TRIS-DIOXIMATES WITH TIN(IV) FLUORIDE AND BROMIDE. <i>Journal of Coordination Chemistry</i> , 1994, 31, 147-155.	0.8	15

#	ARTICLE	IF	CITATIONS
181	Structures of three alicyclic $\hat{\pm}$ -dioximes with a ring size of six to eight. Acta Crystallographica Section C: Crystal Structure Communications, 1993, 49, 635-639.	0.4	4
182	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
183	MACROBICYCLIC D-METAL TRIS-DIOXIMATES OBTAINED BY CROSS-LINKING WITH P-BLOCK ELEMENTS. PART VI. PREPARATION, MOLECULAR STRUCTURE AND $M\ddot{A}$ -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
184	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: <i>mer</i> ISOMERS OF AN IRON (II) COMPLEX WITH A MACROBICYCLIC PHENYLBORON PHENYLGLYOXIMATE LIGAND. Journal of Coordination Chemistry, 1993, 28, 97-103.	0.8	18
185	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements $\hat{\text{V}}$ . Synthesis and properties of polymeric germanium-containing iron(II) dioximates. Polyhedron, 1992, 11, 457-461.	1.0	20
186	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements $\hat{\text{VII}}$ . Clathrochelate tris-dioximates of cobalt(III) formed by tin tetrachloride. Polyhedron, 1992, 11, 1939-1948.	1.0	33
187	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
188	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 $M\ddot{A}$ ssbauer (57Fe) parameters. Inorganica Chimica Acta, 1991, 184, 107-110.	1.2	24
189	Macrobicyclic d-metal tris-dioximates obtained by cross-linking with p-block elements Part II. FAB mass spectrometry of macrobicyclic boron-containing iron(II) dioximates. Inorganica Chimica Acta, 1991, 180, 189-193.	1.2	5
190	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
191	Syntheses and reactivity of the apically functionalized (pseudo)macrobicyclic iron(II) tris-dioximates and their hybrid phthalocyaninatoclathrochelate derivatives comprising reactive and vector terminal group. New Journal of Chemistry, 0, , .	1.4	4
192	Monoribbed $\hat{\text{C}}$ -functionalized macrobicyclic iron( $\langle \text{scp} \rangle \text{II} \langle / \text{scp} \rangle$ ) complexes decorated with terminal reactive and vector groups: synthetic strategy towards, chemical transformations and structural characterization. Chinese Journal of Chemistry, 0, , .	2.6	3