

# Sergey Y Ketkov

## List of Publications by Citations

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150  
papers

1,895  
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22  
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35  
g-index

160  
ext. papers

2,133  
ext. citations

3.4  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
150	[(dpp-bian)Zn--Zn(dpp-bian)]: A zinc-zinc-bonded compound supported by radical-anionic ligands. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4302-5	16.4	114
149	[(dpp-bian)Ga-Ga(dpp-bian)] and [(dpp-bian)Zn-Ga(dpp-bian)]: synthesis, molecular structures, and DFT studies of these novel bimetallic molecular compounds. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 7050-6	4.8	83
148	Estimation of the barrier to rotation of benzene in the (eta 6-C6H6)2Cr crystal via topological analysis of the electron density distribution function. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6545-51 <sup>2.8</sup>	2.8	83
147	Near-infrared electroluminescent lanthanide [Pr(III), Nd(III), Ho(III), Er(III), Tm(III), and Yb(III)] N,O-chelated complexes for organic light-emitting devices. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16611		80
146	Binuclear Zinc Complexes with Radical-Anionic Diimine Ligands. <i>Organometallics</i> , <b>2009</b> , 28, 3863-3868	3.8	54
145	Synthesis, structures, and electroluminescent properties of scandium N,O-chelated complexes toward near-white organic light-emitting diodes. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 5094-100	5.1	52
144	Synthesis, molecular structure and DFT study of [(dpp-bian)Ga--M(Et(2)O)(3)] (M=Li, Na; dpp-bian=1,2-bis[(2,6-diisopropylphenyl)imino]acenaphthene). <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8465-8	4.8	46
143	A Small Cationic Organo-Copper Cluster as Thermally Robust Highly Photo- and Electroluminescent Material. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 373-381	16.4	41
142	Selective protonation of the Y-C bond in trinuclear yttrium alkyl-hydrido clusters and formation of the cationic polyhydrido core. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3824-6	4.8	38
141	Electron density distribution in vanadocene (η-C5H5)2V and mixed metallocenes (η-C5H5)M(η-C7H7) (M = Ti, V, or Cr) and (η-C5H5)Ti(η-C8H8). Effect of the nature of the cyclic ligand on the character of the M--(ligand) bond. <i>Russian Chemical Bulletin</i> , <b>2001</b> , 50, 130-141	1.7	38
140	Compounds with Direct Gallium-Lanthanum and Gallium-Zinc Bonds. <i>Organometallics</i> , <b>2011</b> , 30, 3628-3636	3.8	34
139	Novel method for the synthesis of functionalized tetrathiafulvalenes, an acceptor-donor-acceptor molecule comprising of two o-quinone moieties linked by a TTF bridge. <i>Tetrahedron</i> , <b>2010</b> , 66, 7605-7611 <sup>2.4</sup>	2.4	34
138	Rydberg series in the near-uv vapour-phase absorption spectra of (η-arene)2Cr(0) and (η-arene)2V(0) complexes. <i>Journal of Molecular Structure</i> , <b>1989</b> , 195, 175-188	3.4	33
137	N,N'-fused bisphosphole: heteroaromatic molecule with two-coordinate and formally divalent phosphorus. Synthesis, electronic structure, and chemical properties. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3243-52 <sup>5.1</sup>	5.1	29
136	Boron complexes of redox-active diimine ligand. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7952-61	4.3	28
135	Rydberg transitions in the near-ultraviolet vapor-phase absorption spectra of 3d metallocenes. <i>Inorganica Chimica Acta</i> , <b>1990</b> , 178, 233-242	2.7	28
134	Facile One-Pot Route toward Water-Soluble Lanthanide-Copper-Glycinehydroxamate 15-Metallacrown-5 Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 5202-5208	2.3	26

133	New experimental insights into the formation of unexpected water-soluble Eu(III)Cu(II) 15-metallacrown-5 compound with acetate. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 52, 31-33	3.1	25
132	The intramolecular rearrangement of phosphinohydrazides [R'2P-NR-NR-M] -[RN?PR'2-NR-M]: general rules and exceptions. transformations of bulky phosphinohydrazines (R-NH-N(PPh2)2, R = tBu, Ph2P). <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 874-81	5.1	25
131	Rydberg transitions in bis(η-benzene)chromium; a study of isotopic effects and vibronic structures. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 2461-2466		24
130	Ultraviolet vapour-phase absorption spectra of d6 metallocenes. <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 420, 67-77	2.3	23
129	Catecholase activity of Mannich-based dinuclear CuII complexes with theoretical modeling: new insight into the solvent role in the catalytic cycle. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6623-6635	3.6	23
128	Lewis-acid induced disaggregation of dimeric arylantimony oxides. <i>Chemical Communications</i> , <b>2015</b> , 51, 5932-5	5.8	22
127	Benzonitrile Insertion into Silylarylamides in ansa-Bis(benzamidinate) Ligand Systems with Rigid o- and m-Phenylene Linkers in the Synthesis of Lithium and Rare Earth Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 4173-4183	2.3	22
126	Intramolecularly Group 15 Stabilized Aryltellurenyl Halides and Triflates. <i>Organometallics</i> , <b>2015</b> , 34, 5341-5360	3.21	21
125	The Weakly Coordinating Tris(trichlorosilyl)silyl Anion. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16490-16494	16.4	21
124	Direct detection of individual bis(arene) rotational isomers in the gas phase by mass-analyzed threshold ionization spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7072-4	16.4	21
123	From Stiba- and Bismaheteroboroxines to N,C,N-Chelated Diorganoantimony(III) and Bismuth(III) Cations-An Unexpected Case of Aryl Group Migration. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6010-9	5.1	20
122	Two-color resonance-enhanced multiphoton ionization study of the lowest Rydberg p state of bis(eta6-benzene)chromium and its deuterated derivatives. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 149-56 <sup>9</sup>	3.9	20
121	Photoabsorption study of electronic excited states of (η-cyclopentadienyl)(η-arene)manganese. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 465, 225-231	2.3	20
120	High-Resolution Mass-Analyzed Threshold Ionization Study of Deuterated Derivatives of Bis(η-benzene)chromium. <i>Organometallics</i> , <b>2006</b> , 25, 1712-1716	3.8	19
119	Resonance-enhanced multiphoton ionisation spectroscopy of jet-cooled bis(η-benzene)chromium. <i>Chemical Physics Letters</i> , <b>2003</b> , 373, 486-491	2.5	19
118	Tin(IV) and lead(IV) complexes with a tetradentate redox-active ligand. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10970-9	4.3	18
117	Study of Jet-Cooled Bis(η-Benzene)Chromium by Multiphoton Zero Kinetic Energy Mass-Analyzed Threshold Ionization Spectroscopy. <i>Israel Journal of Chemistry</i> , <b>2004</b> , 44, 65-69	3.4	18
116	Vapor-phase electronic absorption spectrum of (η-cyclopentadienyl)(η-cycloheptatrienyl)chromium. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 429, C38-C40	2.3	18

115	The electronic absorption spectra of the alkyl-substituted derivatives of bis(benzene)chromium(0) in the vapour phase. <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 328, 341-348	2.3	18
114	Nanosecond multiphoton ionization spectroscopy of transition-metal sandwich compounds: a comparative study of nickelocene, ferrocene and bis( $\eta$ -benzene)chromium. <i>Molecular Physics</i> , <b>2004</b> , 102, 1749-1757	1.7	17
113	Spectroscopy in the Ultraviolet and Visible Regions As Studied by Solution-Phase and Vapor-Phase Photoabsorption in the Ultraviolet and Visible Regions $\square$ <i>Organometallics</i> , <b>1996</b> , 15, 4747-4754	3.8	17
112	Increasing the Brønsted acidity of Ph <sub>2</sub> PO <sub>2</sub> H by the Lewis acid B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . Formation of an eight-membered boraphosphinate ring [Ph <sub>2</sub> POB(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> O] <sub>2</sub> . <i>Chemical Communications</i> , <b>2016</b> , 52, 10992-5 <sup>8</sup>	5.8	17
111	Electronic absorption spectra of molybdenum(0) bisarene complexes, ( $\eta$ -Arene) <sub>2</sub> Mo <sup>0</sup> . <i>Journal of Organometallic Chemistry</i> , <b>1990</b> , 389, 187-195	2.3	16
110	Taking a snapshot of the triplet excited state of an OLED organometallic luminophore using X-rays. <i>Nature Communications</i> , <b>2020</b> , 11, 2131	17.4	15
109	Copper(II)Cerium(III) 15-metallacrown-5 based on glycinehydroxamic acid as a new precursor for heterobimetallic composite materials on carbon nanotubes. <i>Polyhedron</i> , <b>2016</b> , 114, 96-100	2.7	15
108	Compactly Fused o-Quinone-Extended Tetrathiafulvalene-o-Quinone Triad $\square$ Redox-Amphoteric Ligand. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 4571-4576	3.2	15
107	New high-spin iron complexes based on bis(imino)acenaphthenes (BIAN): synthesis, structure, and magnetic properties. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 2122-2131	1.7	14
106	Reversible C=C Bond Activation by an Intramolecularly Coordinated Antimony(I) Compound. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 12884-12888	4.8	13
105	Nuclearity dependent solvent contribution to the catechol oxidase activity of novel copper(II) complexes derived from Mannich-base ligand platforms: synthesis, crystal structure and mechanism. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 8586-8597	3.6	13
104	Compounds of chromium, titanium, and zirconium with different reduced forms of acenaphthene-1,2-diimine. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 870-882	1.7	13
103	Anhydrous mono- and dinuclear tris(quinolinolate) complexes of scandium: the missing structures of rare earth metal 8-quinolinolates. <i>Dalton Transactions</i> , <b>2011</b> , 40, 7713-7	4.3	13
102	Zero kinetic energy spectroscopy: mass-analyzed threshold ionization spectra of chromium sandwich complexes with alkylbenzenes, ( $\eta$ )-RPh) <sub>2</sub> Cr (R = Me, Et, i-Pr, t-Bu). <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 11298-303	2.8	13
101	Vibrational Frequencies and Ionization Energy of Bis( $\eta$ -Benzene)Chromium as Studied by Density Functional Theory. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2007</b> , 221, 597-607	3.1	13
100	Combined photoelectron-photoabsorption study of ( $\eta$ Cycloheptatrienyl)( $\eta$ Cyclopentadienyl)tungsten. <i>Journal of Organometallic Chemistry</i> , <b>1995</b> , 501, 107-115 <sup>2.3</sup>	2.3	13
99	Electronic excited states of bis( $\eta$ -arene) tungsten: an investigation by ultraviolet photoabsorption spectroscopy in the vapour and solution phases. <i>Chemical Physics</i> , <b>1996</b> , 203, 245-255	2.3	13
98	Threshold ionization of cobaltocene: the metallocene molecule revealing zero kinetic energy States. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11527-30	16.4	12

97	Rydberg structures in the gas-phase electronic absorptionspectra of $\eta^7$ -cycloheptatrienyl $\eta^5$ -cyclopentadienyl complexes of molybdenum. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 2467-2472		12
96	Trinuclear alkyl hydrido rare-earth complexes supported by amidopyridinato ligands: synthesis, structures, C-Si bond activation and catalytic activity in ethylene polymerization. <i>Dalton Transactions</i> , <b>2014</b> , 43, 14450-60	4.3	11
95	Charge transfer and band gap of ferrocene intercalated into TiSe <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>2010</b> , 497, 187-190	2.5	11
94	MOCVD Synthesis of Germanium Filled Diamondlike Carbon Nanotubes and Microtubes from Organogermanium Precursors and Their Field-Emission Properties. <i>Chemical Vapor Deposition</i> , <b>2006</b> , 12, 357-363		11
93	From a 2,1-Benzazasole to Elusive 1-Arsanaphthalenes in One Step. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5668-5671	4.8	10
92	The Reaction of Cyclohexanone Azine with PCl <sub>3</sub> . Synthesis of Annulated Dichlorodiazaphosphole and its Unusual Transannulation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1173-1178	1.2	10
91	Thermodynamics of the Bis( $\eta$ -t-butylphenyl)chromium Fulleride [Cr( $\eta$ -t-BuPh) <sub>2</sub> ] $\eta$ -C <sub>60</sub> . <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 65-69	5.1	10
90	Scandium 2-mercaptobenzothiazolate: Synthesis, structure and electroluminescent properties. <i>Polyhedron</i> , <b>2010</b> , 29, 400-404	2.7	10
89	Structures of Rydberg transitions in the absorption spectra of methyl-substituted derivatives of bis( $\eta$ -benzene)chromium. <i>Russian Chemical Bulletin</i> , <b>1998</b> , 47, 868-874	1.7	10
88	Mass-Resolved Nanosecond Laser Spectroscopy of Jet-Cooled Ferrocene in the Region of the 3d <sub>z<sup>2</sup></sub> - $\eta$ R <sub>4px,y</sub> One-Photon Rydberg Transition. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 4041-4045	2.8	10
87	A planar binuclear cobalt(ii) phthalocyanine as a highly efficient catalyst for the oxidation of a mercaptan. <i>Chemical Communications</i> , <b>2020</b> , 56, 5653-5656	5.8	9
86	Nanosecond multiphoton ionisation of jet-cooled ferrocene. <i>Inorganic Chemistry Communication</i> , <b>2002</b> , 5, 909-912	3.1	9
85	Rydberg spectra of bis( $\eta$ -benzene)chromium derivatives. <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 649, 100-107	2.3	9
84	Rydberg transitions in titanium sandwich complexes: Gas-phase and solution-phase photoabsorption study of ( $\eta$ -C <sub>7</sub> H <sub>7</sub> )( $\eta$ -C <sub>5</sub> H <sub>5</sub> )Ti, ( $\eta$ -C <sub>8</sub> H <sub>8</sub> )( $\eta$ -C <sub>5</sub> H <sub>5</sub> )Ti, and ( $\eta$ -C <sub>8</sub> H <sub>8</sub> )( $\eta$ -C <sub>5</sub> Me <sub>5</sub> )Ti. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 451-455	3.6	9
83	New hybrid material based on multiwalled carbon nanotubes decorated with rhenium nanoparticles. <i>Journal of Surface Investigation</i> , <b>2015</b> , 9, 694-698	0.5	8
82	Pyrolytic deposition of nanostructured titanium carbide coatings on the surface of multiwalled carbon nanotubes. <i>Technical Physics Letters</i> , <b>2016</b> , 42, 517-519	0.7	8
81	Facile activation of alkynes with a boroguanidinato-stabilized germylene: a combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12339-12353	4.3	8
80	Das schwach koordinierende Tris(trichlorsilyl)silyl-Anion. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16713-16717	3.6	8

- 79 Chemistry of the phosphorus-nitrogen ligands. Multiple isomeric transformations of the diphosphinohydrazine bearing 8-quinolyl substituent: P-K, P-N, and P-R migrations caused by different factors. *Inorganic Chemistry*, **2010**, 49, 9677-82 5.1 8
- 78 Multiphoton ionization of jet-cooled nickelocene with tunable nanosecond laser pulses. *Chemical Physics*, **2003**, 293, 91-97 2.3 8
- 77 Reversible Addition of Carbon Dioxide to Main Group Metal Complexes at Temperatures about 0 °C. *Chemistry - A European Journal*, **2021**, 27, 5745-5753 4.8 8
- 76 New insights into water-soluble and water-coordinated copper 15-metallacrown-5 gadolinium complexes designed for high-field magnetic resonance imaging applications. *Applied Organometallic Chemistry*, **2018**, 32, e4389 3.1 7
- 75 Metal- and Ligand-Supported Reduction of the {Fe<sub>2</sub>S<sub>2</sub>} Cluster as a Path to Formation of Molecular Group 13 Element Complexes {Fe<sub>2</sub>S<sub>2</sub>M} (M = Al, Ga). *Organometallics*, **2014**, 33, 2713-2720 3.8 7
- 74 Synthesis, characterization and photophysical properties of new cyclometallated platinum(II) complexes with pyrazolonate ancillary ligand. *Journal of Organometallic Chemistry*, **2013**, 733, 1-8 2.3 7
- 73 Stoichiometric synthesis of fullerene compounds with lithium and sodium and analysis of their IR and EPR spectra. *Physics of the Solid State*, **2004**, 46, 1365-1370 0.8 7
- 72 Preparation and Thermal Decomposition of Ln(III)-Cu(II) Polynuclear Metallamacrocyclic Compounds Based on Glycinehydroxamic Acid. *Macroheterocycles*, **2016**, 9, 263-267 2.2 7
- 71 Diverse reactivity of a boraguanidinato germylene toward organic pseudohalides. *Dalton Transactions*, **2018**, 47, 14880-14883 4.3 7
- 70 DFT-Supported Threshold Ionization Study of Chromium Biphenyl Complexes: Unveiling the Mechanisms of Substituent Influence on Redox Properties of Sandwich Compounds. *Chemistry - A European Journal*, **2017**, 23, 13669-13675 4.8 6
- 69 Synthesis and luminescence properties of lithium, zinc and scandium 1-(2-pyridyl)naphtholates. *Organic Electronics*, **2012**, 13, 3203-3210 3.5 6
- 68 Threshold Ionization of Cobaltocene: The Metallocene Molecule Revealing Zero Kinetic Energy States. *Angewandte Chemie*, **2012**, 124, 11695-11698 3.6 6
- 67 Gas-phase electronic absorption spectroscopy of substituted bis(β-benzene)chromium derivatives: Rydberg transitions in bis(β-anisole)chromium and bis(β-2,6-dimethylpyridine)chromium. *Russian Chemical Bulletin*, **2004**, 53, 1932-1937 1.7 6
- 66 Low-coordinate Sm(II) and Yb(II) complexes derived from sterically-hindered 1,2-bis(imino)acenaphthene (Ar-bian). *Dalton Transactions*, **2020**, 49, 14445-14451 4.3 6
- 65 Synthesis, crystal structures and luminescent properties of the copper(I) pyrazolonate complexes. *Inorganica Chimica Acta*, **2015**, 425, 189-197 2.7 5
- 64 Investigation of Chromophoric Behavior of Water-Soluble La(III)-Cu(II) Polynuclear Metallamacrocyclic 15-MC-5 Complex. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2018**, 644, 907-911 1.3 5
- 63 Group II metal complexes with the N-(2-oxy-3,5-di-tert-butylphenyl)-4,6-di-tert-butyl-o-iminobenzoquinone ligand: an ESR study. *Russian Chemical Bulletin*, **2011**, 60, 2522-2530 1.7 5
- 62 Vapor-phase and solution-phase UV spectroscopic studies of β-pentadienyl derivatives of iron and ruthenium. *Journal of Organometallic Chemistry*, **1998**, 563, 209-217 2.3 5

61	Synthesis and investigation of titanium diselenide intercalated with ferrocene and cobaltocene. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1466-1471	0.8	5
60	Fine Substituent Effects in Sandwich Complexes: A Threshold Ionization Study of Monosubstituted Chromium Bisarene Compounds. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4690-4	4.8	5
59	Germynes and stannynes stabilized within N2PE rings (E = Ge or Sn): combined experimental and theoretical study. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10343-54	4.3	5
58	One-Electron Reduction of 2-Mono(2,6-diisopropylphenylimino)acenaphthene-1-one (dpp-mian). <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3858-3866	4.8	5
57	Quantum chemical study of formation of Cu(II)/III metallamacrocyclic complexes based on glycinehydroximate ligands. <i>Russian Chemical Bulletin</i> , <b>2018</b> , 67, 1173-1181	1.7	5
56	The first water-soluble polynuclear metallamacrocyclic Sr(II)-Cu(II) complex based on simple glycinehydroximate ligands. <i>Dalton Transactions</i> , <b>2019</b> , 48, 10479-10487	4.3	4
55	Novel hybrid materials based on the vanadium oxide nanobelts. <i>Applied Surface Science</i> , <b>2016</b> , 368, 395-402	4.7	4
54	Thermodynamics of dimer fullerene complex [(Me3Si)3C60]2 in the range from 0 ? T/K ? 480. <i>Journal of Chemical Thermodynamics</i> , <b>2007</b> , 39, 798-803	2.9	4
53	Interaction of sodium fullerene derivatives with trimethylchlorosilane. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 1000-1006	0.8	4
52	Nature of low-lying electron excited states of ( $\eta^5$ -cyclopentadienyl) ( $\eta^7$ -cycloheptatrienyl)niobium. <i>Russian Chemical Bulletin</i> , <b>1994</b> , 43, 583-587	1.7	4
51	Polynuclear Aminohydroximate Metallamacrocyclic Cu(II)-Ce(III) Complexes: A Facile Route to Intricate Nanostructures of Copper and Cerium Oxides. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1002-1010	2.3	4
50	pH-Responsive Switching Properties of a Water-Soluble Metallamacrocyclic Phenylalaninehydroximate La(III)/Cu(II) Complex: Insight into Tuning Protonation Ligand States. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 4328-4335	2.3	3
49	Deposition of nanocrystalline nonstoichiometric chromium oxide coatings on the surface of multiwalled carbon nanotubes by chromium acetylacetonate vapor pyrolysis. <i>Technical Physics Letters</i> , <b>2017</b> , 43, 396-398	0.7	3
48	Electronic excited states of chromium and vanadium bisarene complexes revisited: interpretation of the absorption spectra on the basis of TD DFT calculations. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17703-11	4.3	3
47	Thermodynamics of the bis-( $\eta^6$ -m-xylene)molybdenum fulleride [( $\eta^6$ -(m-xylene))2Mo] $\eta^2$ [C60]	4.1	3
46	Heat Capacity and Standard Thermodynamic Functions of Bis( $\eta^6$ -mesitylene)vanadium Fulleride [( $\eta^6$ -sim-Me3H3C6)2V] $\eta^2$ [C60] over the Range from T = (0 to 345) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3100-3105	2.8	3
45	Analysis of the Rydberg structure in the vapor-phase electronic absorption spectrum of ( $\eta^7$ -cycloheptatrienyl)( $\eta^5$ -cyclopentadienyl) chromium. <i>Russian Chemical Bulletin</i> , <b>1999</b> , 48, 1656-1663	1.7	3
44	Optical absorption study of half-open ferrocene and open ferrocene. <i>Journal of Organometallic Chemistry</i> , <b>1995</b> , 487, 263-266	2.3	3

43	Ionic Interactions between Charged Phthalocyanine and Fullerene Derivatives. <i>Macroheterocycles</i> , <b>2014</b> , 7, 145-152	2.2	3
42	Unsymmetrically Substituted Phthalocyanine Carboxylic Acids. <i>Macroheterocycles</i> , <b>2016</b> , 9, 180-185	2.2	3
41	Substituent effects on the electronic structures of sandwich compounds: new understandings provided by DFT-assisted laser ionization spectroscopy of bisarene complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 569-577	4.3	3
40	Metal-Organic Frameworks Derived from Calcium and Strontium Complexes of a Redox-Active Ligand. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3238-3248	5.1	3
39	Rare-earth metal-mediated PhC[triple bond, length as m-dash]N insertion into N,N-bis(trimethylsilyl)naphthalene-1,8-diamido dianion - a synthetic approach to complexes coordinated by ansa-bridged amido-amidinato ligand. <i>Dalton Transactions</i> , <b>2018</b> , 47, 438-451	4.3	3
38	Synthesis, X-ray investigation and DFT calculations of solvated barium $\beta$ -diketonate complexes with 18-dibenzocrown-6: [Ba(pta)2(18DBC6)](C6H5CH3)2 and [Ba(pta)2(18DBC6)](CH2Cl2) (pta = 1,1,1-trifluoro-5,5-dimethylhexanedionato-2,4; 18DBC6 = 18-dibenzocrown-6). <i>Polyhedron</i> , <b>2014</b> , 70, 888-898	2.7	2
37	Synthesis and properties of ion-radical salts based on bis(arene)chromium complexes and fullerene derivatives. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 854-861	1.7	2
36	Polyadducts of fullerene C60 with tert-butyl groups. <i>Russian Chemical Bulletin</i> , <b>2011</b> , 60, 1888-1898	1.7	2
35	The thermodynamic properties of the [(Me3Si)7C60]2 fullerene complex. <i>Russian Journal of Physical Chemistry A</i> , <b>2007</b> , 81, 854-860	0.7	2
34	Two-color resonance photoionization spectrum of nickelocene in a supersonic jet. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2004</b> , 97, 567-571	0.7	2
33	Gas-phase electronic absorption spectra of metallocene dihydrides M( $\beta$ -C5H5)2H2 (M=Mo, W). <i>Journal of Organometallic Chemistry</i> , <b>2002</b> , 664, 106-109	2.3	2
32	$\pi$ -Electron delocalization and electronic transitions in oligomeric and polymeric phthalocyanine zinc(II) complexes. Part 1: Linear oligo- and one-dimensional polyphthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2020</b> , 24, 515-527	1.8	2
31	Water-Soluble Bismuth(III) Polynuclear Tyrosinehydroxamate Metallamacrocyclic Complex: Structural Parallels to Lanthanide Metallacrowns. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
30	TD DFT insights into unusual properties of excited sandwich complexes: structural transformations and vibronic interactions in Rydberg-state bis( $\beta$ benzene)chromium. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 23988-23997	3.6	2
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27	Probing Limits of a C=C Bond Activation by N-Coordinated Organopnictogen(I) Compounds. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 4030	2.3	2
26	Lewis Superacidic Tellurenyl Cation-Induced Electrophilic Activation of an Inert Carborane. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14577-14581	4.8	2



25	Electronic excited states of mixed sandwich complexes, $(\eta^5\text{-C}_7\text{H}_7)(\eta^5\text{-C}_5\text{H}_5)\text{M}$ (M = V, Cr): Investigation with time-dependent density functional theory. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 487, 281-286 <sup>2.7</sup>	2.7	1
24	Synthesis of Hybrid Materials Based on Iron Nanoparticle-Decorated Multiwalled Carbon Nanotubes. <i>Inorganic Materials</i> , <b>2018</b> , 54, 233-236	0.9	1
23	New Hybrid Material Based on Multiwalled Carbon Nanotubes Decorated by Rhenium-Tungsten Nanodendrites. <i>Journal of Surface Investigation</i> , <b>2018</b> , 12, 682-687	0.5	1
22	Singlet oxygen quantum yields and photostability of planar binuclear phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2017</b> , 21, 844-849	1.8	1
21	Redox reactions of organic C60 derivatives. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 1590-1598	1.7	1
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19	Electronic structures of mixed sandwich ansa-complexes of chromium as studied by gas-phase absorption spectroscopy and quantum chemistry. <i>Russian Chemical Bulletin</i> , <b>2009</b> , 58, 682-690	1.7	1
18	Phase transitions in titanium diselenide intercalated with cobaltocene at high pressures of up to 20 GPa. <i>Physics of the Solid State</i> , <b>2008</b> , 50, 941-944	0.8	1
17	A study of peralkylated derivatives of bis( $\eta^5$ -benzene)chromium by gas-phase electronic absorption spectroscopy. <i>Russian Chemical Bulletin</i> , <b>2001</b> , 50, 1390-1394	1.7	1
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14	Study of composite MWCNT/pyrolytic Cr interface by NEXAFS spectroscopy. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 741, 012038	0.3	1
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8	Reversible C=C Bond Activation by an Intramolecularly Coordinated Antimony(III) Compound. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 12854-12854	4.8	

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