Mikhail N Bochkarev

List of Publications by Year
in descending order

95 papers	3,217 citations	147566 31 h-index	168136 53 g-index
101 all docs	101 docs citations	101 times ranked	1956 citing authors

#	Article	IF	Citations
1	New trends in design of electroluminescent rare earth metallo-complexes for OLEDs. Dalton Transactions, 2010, 39, 6599.	1.6	214
2	Synthesis, Arrangement, and Reactivity of Areneâ^'Lanthanide Compounds. Chemical Reviews, 2002, 102, 2089-2118.	23.0	193
3	Synthesis and Structure of the First Molecular Thulium(II) Complex:[TmI2(MeOCH2CH2OMe)3]. Angewandte Chemie International Edition in English, 1997, 36, 133-135.	4.4	178
4	Coordination compounds of rare-earth metals with organic ligands for electroluminescent diodes. Russian Chemical Reviews, 2005, 74, 1089-1109.	2.5	170
5	Molecular compounds of â€œnewâ€•divalent lanthanides. Coordination Chemistry Reviews, 2004, 248, 835-851.	9.5	160
6	[NdI2(thf)5], the First Crystallographically Authenticated Neodymium(II) Complex. Angewandte Chemie - International Edition, 2001, 40, 3176-3178.	7.2	118
7	A New Route to Neodymium(II) and Dysprosium(II) Iodides. Chemistry - A European Journal, 1999, 5, 2990-2992.	1.7	108
8	Reduction of Azobenzene by Naphthaleneytterbium: A Tetranuclear Ytterbium(III) Complex Combining 1,2-Diphenylhydrazido(2â^') and Phenylimido Ligands. Angewandte Chemie International Edition in English, 1991, 30, 1149-1151.	4.4	94
9	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. Journal of Materials Chemistry, 2011, 21, 16611.	6.7	88
10	A Chemical Definition of the Effective Reducing Power of Thulium(II) Diiodide by Its Reactions with Cyclic Unsaturated Hydrocarbons. Chemistry - A European Journal, 2001, 7, 3558.	1.7	70
11	Binuclear complexes of La(III) and Eu(II) with the bridging naphthalene dianion. Synthesis and X-ray crystallographic analysis of [Ï¼2-Î·4:Î·4-C10H8][LaI2(THF)3]2 and [Ï¼2-Î·4:Î·4-C10H8][EuI(DME)2]2. Journal of Organometallic Chemistry, 1995, 489, 145-151.	0.8	64
12	A Novel Bis(imino)amine Ligand as a Result of Acetonitrile Coupling with the Diiodides of Dy(II) and Tm(II). Journal of the American Chemical Society, 2003, 125, 2894-2895.	6.6	61
13	Synthesis and characterization of pentaphenyldiytterbium Ph2Yb(THF)(Î¼-Ph)3Yb(THF)3. Journal of Organometallic Chemistry, 1992, 429, 27-39.	0.8	60
14	Synthesis, Structures, and Electroluminescent Properties of Scandium N,O-Chelated Complexes toward Near-White Organic Light-Emitting Diodes. Inorganic Chemistry, 2010, 49, 5094-5100.	1.9	57
15	Der erste diskrete Thulium(<scp>II</scp>)â€Komplex: [TmI₂(MeOCH₂CH₂OMe)₃]. Angewandte Chemie, 1997, 109, 123-124.	1.6	54
16	Synthesis and characterization of the lutetium naphthalene complex, CpLuC10H8(DME). Journal of Organometallic Chemistry, 1993, 447, 209-212.	0.8	53
17	Bridging Î¼-Î·5:Î·4-Coordination of an Indenyl Ligand and Reductive Coupling of Diazabutadienes in the Assembly of Di- and Tetranuclear Mixed-Valent Ytterbium Indenyldiazabutadiene Complexes. Chemistry - A European Journal, 2006, 12, 2752-2757.	1.7	50
18	Synthesis and luminescent properties of lanthanide homoleptic mercaptothi(ox)azolate complexes: Molecular structure of Ln(mbt)3 (Ln=Eu, Er). Inorganica Chimica Acta, 2006, 359, 4289-4296.	1.2	49

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19	Synthesis, magnetic susceptibility and X-ray crystal structure of (tBuNCHCHNtBu)3Yb. Journal of Organometallic Chemistry, 1995, 486, 177-182.	0.8	48
20	Cï£¿C Coupling and Cï£¿H Bond Activationâ€"Unexpected Pathways in the Reactions of[Yb(Î·5-C13H9)2(thf)2] with Diazadienes. Angewandte Chemie - International Edition, 2004, 43, 5045-5048.	7.2	48
21	Facile Syntheses of Unsolvated UI3 and Tetramethylcyclopentadienyl Uranium Halides. Inorganic Chemistry, 2005, 44, 3993-4000.	1.9	47
22	Solvent-Mediated Redox Transformations of Ytterbium Bis(indenyl)diazabutadiene Complexes. European Journal of Inorganic Chemistry, 2005, 2005, 2812-2818.	1.0	46
23	Interaction of naphthaleneytterbium with tetraphenyltin. Molecular structure of Ph3SnYb(THF)2(Î¼-Ph)3Yb(THF)3. Journal of Organometallic Chemistry, 1991, 421, 29-38.	0.8	41
24	Efficient synthetic route to anhydrous mononuclear tris(8-quinolinolato)lanthanoid complexes for organic light-emitting devices. Inorganica Chimica Acta, 2005, 358, 3625-3632.	1.2	40
25	Synthesis and ESR-characterization of radical anion complexes of lanthanum. X-ray crystal structure of the mixed bipy, bipyâ¯1 complex of lanthanum(III) [LaI2(bipy)(bipy)(DME)]: evidence for an inter-ligand charge transfer. Journal of Organometallic Chemistry, 1996, 524, 125-131.	0.8	38
26	Chloro, Alkyl and Aryl Complexes of Rare Earth Metals Supported by Bulky Tetrasubstituted Guanidinate Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 747-756.	1.0	37
27	LMCT facilitated room temperature phosphorescence and energy transfer in substituted thiophenolates of Gd and Yb. Dalton Transactions, 2017, 46, 3041-3050.	1.6	37
28	Synthesis and Structure of the First Lanthanide Complex with the Bridging, Antiaromatic 2,2â€²-Bipyridine Dianion: [{Yb(Î¼2-N2C10H8)(thf)2}3]. Angewandte Chemie - International Edition, 1999, 38, 2262-2264.	7.2	35
29	Lanthanide phenolates with heterocyclic substituents. Synthesis, structure and luminescent properties. Polyhedron, 2013, 50, 112-120.	1.0	33
30	Electroluminescent properties of lanthanide pentafluorophenolates. Journal of Materials Chemistry C, 2014, 2, 1532-1538.	2.7	32
31	Lanthanide imidodiphosphinate complexes. Synthetic Metals, 2009, 159, 1398-1402.	2.1	31
32	Reduction of vanadium(II) to vanadium(O) by naphthaleneytterbium: synthesis and X-ray crystal structure of the two-dimensional multidecker complex [(Î·5-C5H5)V(Î¼-Î·6:Î·2-C10H8)Yb(THF)-(Î·5-C5H5)]n. Inorganica Chimica Acta, 1992, 201, 69-74.	1.2	30
33	Synthesis and characterization of Eu(II) and Sm(II) complexes containing the cyclopentadienylvanadiumnaphthalene anion. Molecular structure of [(C5H5)V(C10H8)2Eu(THF)(DME) and [(C5H5)V(C10H8)Eu(C5H5)(THF)]n]. Journal of Organometallic Chemistry, 1996, 511, 157-162.	0.8	29
34	2-Mercaptobenzothiazolate complexes of rare earth metals and their electroluminescent properties. Organic Electronics, 2009, 10, 623-630.	1.4	29
35	Reduction of azobenzene by neodymium(II), dysprosium(II), and thulium(II) diiodides. Journal of Organometallic Chemistry, 2003, 682, 218-223.	0.8	27
36	8-Quinolinolate complexes of yttrium and ytterbium: molecular arrangement and fragmentation under laser impact. Dalton Transactions, 2013, 42, 15699.	1.6	27

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37	Neodymium(II) and Dysprosium(II) Iodides in the Reactions with Metallocenes of d-Transition Metals. European Journal of Inorganic Chemistry, 2006, 2006, 351-356.	1.0	25
38	Unexpected Splitting of ansa-Ytterboacene and ansa-Calcoacene: Formation of [(Î·2-C12H8)ZrCl2(thf)3] and (Me3Si)2C12H8. Angewandte Chemie - International Edition, 2001, 40, 2474-2477.	7.2	24
39	Electroluminescent characteristics of scandium and yttrium 8-quinolinolates. Journal of Applied Physics, 2008, 104, 053706.	1.1	24
40	Synthesis and characterization of phenanthren-o-iminoquinone complexes of rare earth metals. Journal of Organometallic Chemistry, 2010, 695, 2774-2780.	0.8	22
41	A new bifunctional ligand: C5Me4SiMe2OSiMe2O2â^'. Synthesis, properties and crystal structure of the first Yb(II) half-sandwich complex with a heterobidentate cyclopentadienyl ligand, [{(Î·5-C5Me4)SiMe2OSiMe2(Î·1-O)}Yb(thf)]2. Chemical Communications, 1999, , 2203-2204.	2.2	21
42	New type of arrangement of rare-earth quinolinolate. Molecular structure of scandium 2-methyl-8-quinolinolate. Inorganica Chimica Acta, 2009, 362, 1393-1395.	1.2	21
43	Synthesis, structure and long-lived NIR luminescence of lanthanide ate complexes with perfluorinated 2-mercaptobenzothiazole. Dalton Transactions, 2019, 48, 1060-1066.	1.6	21
44	X-Ray excited luminescence of organo-lanthanide complexes. Physical Chemistry Chemical Physics, 2019, 21, 16288-16292.	1.3	20
45	A Novel Route to Triphenylgermyl Europium Complexes. Crystal Structure of (Ph3Ge)2Eu(DME)3. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1818-1822.	0.6	19
46	Variety of naphthalene coordination modes in the polynuclear (pentamethylcyclopentadienyl)		

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55	Metallation of Calix[4]arene with Thulium Diiodide, TmI₂(DME)₃: Molecular Structure of [(5,11,17,23-Tetra-tert-butyl-25,27-dioxo-26,28-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (dimethoxycalix[4]a B Journal of Chemical Sciences, 1999, 54, 466-468.	0.8	15
56	Comparative Reductive Reactivity of SmI2 with TmI2 in the Synthesis of Lanthanide Arene Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2848-2853.	0.6	15
57	Lanthanide pentafluorophenolates. Synthesis, structure and luminescent properties. Journal of Organometallic Chemistry, 2013, 747, 126-132.	0.8	15
58	Anhydrous mono- and dinuclear tris(quinolinolate) complexes of scandium: the missing structures of rare earth metal 8-quinolinolates. Dalton Transactions, 2011, 40, 7713.	1.6	14
59	Reactions of neodymium(II) iodide with organohalides. Polyhedron, 2006, 25, 1105-1110.	1.0	13
60	Green-light emitting norbornene based terbium-containing copolymers. Synthesis, photo- and electroluminescent properties. Synthetic Metals, 2014, 190, 86-91.	2.1	13
61	Lanthanide iodides as promoters of acetonitrile amination. Molecular structure of MeC(NH)NHPri, MeC(NH)NHBut and {Dy[MeC(NH)NEt2]6}I3. Inorganica Chimica Acta, 2007, 360, 2368-2378.	1.2	12
62	Reactions of pentafluorophenyl germanium hydrides with nickelocene. Journal of Organometallic Chemistry, 1992, 429, 13-26.	0.8	11
63	Methyl- and propylacetamidinates of lanthanides: Structures, catalytic and some physical properties. Inorganica Chimica Acta, 2008, 361, 2533-2539.	1.2	11
64	Synthesis and luminescence of some rare earth metal complexes. Organic Photonics and Photovoltaics, 2016, 4, .	1.3	11
65	A new half-sandwich Yb(II) complex with the tridentate cyclopentadienyl ligand [C 5 H 4 CH 2 CH(O)CH 2 OBu n] 2â˜ : synthesis, self-assembly of a tetranuclear cubane-like framework {[(Î· 5 -C 5 H 4)CH 2 CH(Î¼ 3) Tj ETQq1 1 0.784314 rg	0.8	10
66	Synthesis and characterization of isopropylamine complexes of lanthanide(II) diiodides: Molecular structure of TmI2(PriNH2)4 and EuI2(PriNH2)4. Inorganica Chimica Acta, 2006, 359, 3315-3320.	1.2	10
67	Use of Neodymium Diiodide in the Synthesis of Organosilicon, -Germanium and -Tin Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 256-260.	0.6	10
68	Scandium 2-mercaptobenzothiazolate: Synthesis, structure and electroluminescent properties. Polyhedron, 2010, 29, 400-404.	1.0	10
69	Fluorinated mercaptobenzothiazolates of lanthanides: Synthesis, structure and photoluminescence. Journal of Molecular Structure, 2017, 1148, 201-205.	1.8	10
70	Diphenylbutadiene-bridged gadolinium complex [GdCl2(THF) 3]2(Î¼-Ph2C4H4) Â· 3THF: The synthesis and crystal structure. Journal of Organometallic Chemistry, 1997, 540, 1-6.	0.8	9
71	Features of the Molecular Structure and Luminescence of Rare-Earth Metal Complexes with Perfluorinated (Benzothiazolyl)phenolate Ligands. Molecules, 2019, 24, 2376.	1.7	9
72	Syntheses, Structures, and Photophysical Properties of Eu and Lu Diketonates with a Neutral Polydentate Imidazolylmethanamine Ligand. European Journal of Inorganic Chemistry, 2015, 2015, 1734-1743.	1.0	8

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73	Cerium(<scp>iii</scp>) complexes with azolyl-substituted thiophenolate ligands: synthesis, structure and red luminescence. RSC Advances, 2019, 9, 24110-24116.	1.7	8
74	Synthesis and luminescence properties of lithium, zinc and scandium 1-(2-pyridyl)naphtholates. Organic Electronics, 2012, 13, 3203-3210.	1.4	7
75	Synthesis, characterization and photophysical properties of new cyclometallated platinum(II) complexes with pyrazolonate ancillary ligand. Journal of Organometallic Chemistry, 2013, 733, 1-8.	0.8	7
76	Impact of n,Î³-irradiation on organic complexes of rare earth metals. Scientific Reports, 2019, 9, 13314.	1.6	7
77	Reduction of acetonitrile by neodymium diiodide: Molecular structure of [{(HNCMe)2MeCNH2}NdI(MeCN)5]I2 and [{(HNCMe)2MeCNH2}Nd(MeCN)6]I3. Inorganica Chimica Acta, 2007, 360, 2923-2928.	1.2	6
78	Monophthalocyanine complexes of samarium and terbium with axial ligands: synthesis, structure and optoelectronic properties. Journal of Rare Earths, 2014, 32, 1101-1108.	2.5	6
79	Synthesis and luminescent properties of heteroleptic benzothiazolylâ€“naphtholates of ytterbium. Synthetic Metals, 2015, 203, 117-121.	2.1	6
80	Heteroleptic 3-(2-benzothiazol-2-yl)-2-naphtholates of rare earth metals: Features of synthesis and structure. Journal of Organometallic Chemistry, 2015, 777, 42-49.	0.8	6
81	Unexpected Findings in a Simple Metathesis Reaction of Europium and Ytterbium Diiodides with Perfluorinated Mercaptobenzothiazolates of Alkali Metals. Organometallics, 2020, 39, 2972-2983.	1.1	6
82	1,3-Bis(alkylimino)isoindolinates of rare earth metals: Synthesis, molecular structure and photoluminescence. Polyhedron, 2010, 29, 10-15.	1.0	5
83	Lanthanide complexes with oxygen bridges as models for potential up-conversion materials. Inorganica Chimica Acta, 2018, 483, 379-385.	1.2	5
84	Bismuth and thorium fluorides as efficient X-ray radiation shielding materials. Radiation Physics and Chemistry, 2021, 182, 109388.	1.4	5
85	Synthesis, Structure and Luminescent Properties of Rareâ€Earthâ€Metal Oxyacridinates. European Journal of Inorganic Chemistry, 2021, 2021, 1441-1451.	1.0	4
86	Structural and luminescent properties of homo- and heterometallic complexes of La, Li and Na with 2-(2-benzoxyazol-2-yl)phenolate ligands. Journal of Luminescence, 2018, 203, 286-291.	1.5	3
87	New luminescent 10-oxybenzoquinolate complexes of rare earth metals. Journal of Rare Earths, 2023, 41, 1135-1143.	2.5	3
88	On Attempts to Synthesize Lanthanide Complexes of the Dianionic Fluorenyl-alkoxo Ligand [C₁₃H₈-cyclo-C₆H₁₀-O]²⁻. Crystal Structure of (C₁₃H₉-cyclo-C₆H₁₀-O)LaI₂(DME)₂. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 389-394.	0.3	2
89	A Hybrid CuI/Fullerene Heterojunction in Transparent Flexible Photovoltaic Cells. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 721-724.	1.0	2
90	Reactivity of Neodymium and Samarium Nitrides. Journal of Chemical Research, 2017, 41, 82-84.	0.6	2

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91	Zn(II) complexes of substituted oxyacridinate ligands. Synthesis, structure and properties. Journal of Molecular Structure, 2021, 1229, 129798.	1.8	2
92	Novel ditopic 2-mercaptothiazoles and their sodium salts: synthesis, structural diversity and luminescence. New Journal of Chemistry, 0, , .	1.4	2
93	Yellowâ€“green organic light-emitting diode based on tris(2-methyl-8-quinolinolate) scandium. Synthetic Metals, 2010, 160, 2476-2480.	2.1	1
94	Luminescence thermochromism in novel mixed Eu(<scp>ii</scp>)â€“Cu(<scp>i</scp>) iodide. Dalton Transactions, 2021, 50, 14244-14251.	1.6	1
95	Synthesis and luminescent properties of heteroleptic lanthanide complexes with oxybenzo[. Australian Journal of Chemistry, 2022, 75, 532-542.	0.5	1