M B Berezin

List of Publications by Year
in descending order

117	986	516561	677027
papers	citations	16 h-index	22 g-index

118	118	118	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, structure and fluorescence of a zinc(ii) chelate complex with bis(2,4,7,8,9-pentamethyldipyrrolylmethen-3-yl)methane. Mendeleev Communications, 2011, 21, 168-170.	0.6	37
2	The computational and experimental investigations of photophysical and spectroscopic properties of BF2 dipyrromethene complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 323-329.	2.0	33
3	Thermal oxidative degradation of the functionally substituted 2,2â€²-dipyrrolylmethenes hydrobromides and difluoroborates. Russian Journal of General Chemistry, 2013, 83, 545-551.	0.3	28
4	Novel quenchometric oxygen sensing material based on diiodine-substituted boron dipyrromethene dye. Sensors and Actuators B: Chemical, 2014, 197, 206-210.	4.0	27
5	Characteristic features of formation, synthesis, and properties of binuclear zinc(II) helicates with alkyl-substituted 3,3â€²-bis(dipyrrolylmethenes). Russian Journal of Inorganic Chemistry, 2012, 57, 261-269.	0.3	21
6	Synthesis, spectral-luminescent properties of B(III) and Zn(II) complexes with alkyl- and aryl-substituted dipyrrins and azadipyrrins. Russian Journal of Inorganic Chemistry, 2014, 59, 1187-1194.	0.3	21
7	Influence of structural and solvation factors on the spectral-fluorescent properties of alkyl-substituted BODIPYs in solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 228-234.	2.0	20
8	Photonics of coordination complexes of dipyrrins with p- and d-block elements for application in optical devices. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 354, 147-154.	2.0	20
9	Photonics of boron(III) and zinc(II) dipyrromethenates as active media for modern optical devices. Journal of Molecular Liquids, 2019, 278, 5-11.	2.3	20
10	Thermodynamics of Solution of Hemato- and Deuteroporphyrins in N,N-Dimethylformamide. Journal of Chemical & Engineering Data, 2013, 58, 2502-2505.	1.0	19
11	Luminescent properties of new 2,2-, 2,3- and 3,3-CH2-bis(BODIPY)s dyes: Structural and solvation effects. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 308-319.	2.0	19
12	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 690-694.	0.3	18
13	Thermochemistry of solution of some quaternized derivatives of tetra(4-pyridyl)porphine in water. Russian Journal of General Chemistry, 2007, 77, 1955-1958.	0.3	18
14	Comparative analysis of physicochemical properties of dinuclear zinc(II) helicates with 2,2â€²-, 2,3â€²-, and 3,3â€²-bis(dipyrromethenes). Russian Journal of Inorganic Chemistry, 2014, 59, 578-586.	0.3	18
15	Photonics of zinc(II) and boron(III) chelates with methyl- and phenyl-substituted dipyrromethenes and azadipyrromethenes. High Energy Chemistry, 2015, 49, 16-23.	0.2	18
16	Synthesis, spectral luminescent properties, and photostability of monoiodo- and dibromo-substituted BF2-dipyrrinates. Russian Journal of General Chemistry, 2016, 86, 840-847.	0.3	18
17	Effect of Aryl-, Halogen-, and Ms-Aza-Substitution on the Luminescent Properties and Photostability of Difluoroborates of 2,2â€²-Dipyrrometenes. Journal of Fluorescence, 2019, 29, 911-920.	1.3	18
18	Kinetics of Metal Exchange Between Cadmium Mesoporphyrin and Zinc and Cobalt Salts in Organic Solvents. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 291-295.	0.3	16

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19	Synthesis and spectral properties of zinc(II) helicates with 3,3â€²-bis(dipyrrolylmethenes) series. Russian Journal of General Chemistry, 2010, 80, 1216-1218.	0.3	16
20	Spectral, luminescent, photochemical, and laser properties of a series of boron fluoride complexes of dipyrrolylmethenes in solutions. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td	0.2	16
21	Photophysics of diiodine-substituted fluorinated boronâ€“dipyrromethene: A time resolved study. Chemical Physics Letters, 2013, 585, 49-52.	1.2	16
22	Novel non-covalent supramolecular systems based on zinc(II) bis(dipyrromethenate)s with fullerenes. Journal of Molecular Liquids, 2018, 269, 327-334.	2.3	16
23	Synthesis, Spectral-Luminescent Properties, and Photostability of Zn(II) Complexes With Dipyrrins Modified by the Periphery and meso-Spacer. Chemistry of Heterocyclic Compounds, 2014, 49, 1740-1747.	0.6	15
24	Prospects of applications of fluorescent sensors based on zinc(II) and boron(III) bis(dipyrromethenate)s. Journal of Molecular Liquids, 2019, 274, 681-689.	2.3	15
25	Lasing characteristics of difluoroborates of 2,2'-dipyrromethene derivatives in solid matrices. Quantum Electronics, 2014, 44, 206-212.	0.3	14
26	Optical characteristics of new luminophores based on boron-fluoride complexes of substituted dipyrromethenes. Russian Physics Journal, 2013, 56, 264-268.	0.2	13
27	meso-spacer influence on properties of zinc(II) complexes with 2,3â€²- and 3,3â€²-bis(dipyrrolylmethenes). Russian Journal of General Chemistry, 2013, 83, 1143-1150.	0.3	13
28	Electrochemical behavior of a number of bispyridyl-substituted porphyrins and their electrocatalytic activity in molecular oxygen reduction reaction. Journal of Porphyrins and Phthalocyanines, 2016, 20, 615-623.	0.4	13
29	Synthesis and luminescent properties of zinc(II) complexes with iodo- and bromosubstituted 2,2â€²-dipyrrines. Journal of Luminescence, 2016, 170, 248-254.	1.5	13
30	Thermodynamics of Copper(II), Zinc(II), Cobalt(II), Mercury(II), and Nickel(II) Complexation with Â,Î±-Dipyrrolylmethene in DMF. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 30-33.	0.3	12
31	Influence of metal cation on chromophore properties of complexes of some d metals with Î±,Î±-dipyrrolylmethene. Russian Journal of General Chemistry, 2004, 74, 1282-1285.	0.3	12
32	Standard enthalpies and heat capacities of ethyl acetate and deuteroporphyrin dimethylester solution in N,N-dimethylformamide at 298â€“318K. Thermochimica Acta, 2011, 521, 224-226.	1.2	12
33	Spectroscopic and laser characteristics of new efficient luminophores for a wide spectral range based on complexes of dipyrrolylmethene derivatives with difluorine borate. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 115, 708-716.	0.2	11
34	Blood porphyrins in binary mixtures of N,N-dimethylformamide with 1-octanol and chloroform: The energetics of solvation, (solute+cosolvent) interactions and model calculations. Journal of Chemical Thermodynamics, 2015, 83, 104-109.	1.0	11
35	A New Sensitive and Selective Off-On Fluorescent Zn2+ Chemosensor Based on 3,3â€²,5,5â€²-Tetraphenylsubstituted Dipyrromethene. Journal of Fluorescence, 2016, 26, 1967-1974.	1.3	11
36	On the mechanism of the metal exchange in natural cadmium porphyrins. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2007, 33, 488-492.	0.3	10

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37	Structure and energetics of Î²-diketonates. XVI. Molecular structure and vibrational spectrum of zinc acetylacetonate according to gas-phase electron diffraction and quantum-chemical calculations. Journal of Structural Chemistry, 2009, 50, 1035-1045.	0.3	10
38	Synthesis and photophysical properties of Cd(II) and Cu(II) complexes with decamethylated bis(dipyrrolylmethene). Russian Journal of General Chemistry, 2011, 81, 2349-2351.	0.3	10
39	Thermodynamics of solution of proto- and mezoporphyrins in N,N-dimethylformamide. Journal of Chemical Thermodynamics, 2015, 89, 123-126.	1.0	10
40	Effect of solvent nature on spectral properties of blue-emitting meso-propargylamino-BODIPY. Journal of Molecular Liquids, 2019, 285, 194-203.	2.3	10
41	Title is missing!. Russian Journal of General Chemistry, 2002, 72, 126-130.	0.3	9
42	Synthesis and use of ecologically pure metal-containing dyes based on chlorophyll derivatives. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2006, 32, 226-230.	0.3	9
43	Natural dyes based on chlorophyll and protoporphyrin derivatives. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 711-714.	0.3	9
44	Oxidative degradation of porphyrins and metalloporphyrins under polythermal conditions. Russian Journal of General Chemistry, 2011, 81, 1222-1230.	0.3	9
45	Determination of the quantum yield of singlet oxygen sensitized by halogenated boron difluoride dipyrromethenes. High Energy Chemistry, 2017, 51, 175-181.	0.2	9
46	Kinetics of the metal-exchange reaction of deuteroporphyrin and gematoporphyrin cadmium complexes with cobalt chloride in acetonitrile. Russian Journal of Inorganic Chemistry, 2007, 52, 1269-1273.	0.3	8
47	The influence of the macroring structure on the enthalpies of solution of tetrapyridylporphyrin derivatives in water. Russian Journal of Physical Chemistry A, 2010, 84, 1449-1451.	0.1	8
48	Synthesis and spectral properties of the nickel(II) and mercury(II) helicates with 3,3â€²-bis(dipyrrolylmethenes). Russian Journal of General Chemistry, 2011, 81, 591-593.	0.3	8
49	Synthesis and properties of (1,2,3,7,9-pentamethyldipyrrolylmethen-8-yl)-(1,2,3,7,8-pentamethyldipyrrolylmethen-9-yl)methane and bis(1,2,3,7,9-pentamethyldipyrrolylmethen-8-yl)trifluoromethylmethane dihydrobromides. Russian Journal of General Chemistry, 2012, 82, 1287-1292.	0.3	8
50	Double metal-ligand exchange in solvate complex-metal porphyrin systems. Russian Journal of General Chemistry, 2013, 83, 1410-1418.	0.3	8
51	Stabilities of a series of dipyrrin difluoroborates in protic solvents in the ground and electron-excited states. Russian Journal of Physical Chemistry A, 2016, 90, 349-355.	0.1	8
52	Spectral-kinetic properties and efficiency of singlet oxygen generation by some dipyrromethenes. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 344, 206-211.	2.0	8
53	Effect of Alkyl, Aryl, and meso-Aza Substitution on the Thermal Stability of BODIPY. Russian Journal of Inorganic Chemistry, 2018, 63, 1326-1332.	0.3	8
54	Effects of halogen substitution on the photostability and thermal degradation of boron(III), zinc(II) and cadmium(II) dipyrrinato complexes. Inorganica Chimica Acta, 2018, 482, 800-806.	1.2	8

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55	Synthesis and Some Physical-Chemical Properties of meso-Aryl- and Alkyl Substituted Corroles and their Metal Complexes. Macroheterocycles, 2019, 12, 119-128.	0.9	8
56	Kinetics of Alkylated Biladiene-a,c Deprotonation. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 371-374.	0.3	7
57	Thermodynamics of complex formation reactions between d metals and linear oligopyrroles. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2006, 32, 830-836.	0.3	7
58	Biological applications of fluorescence lifetime imaging beyond microscopy. Proceedings of SPIE, 2010, , .	0.8	7
59	Synthesis and spectral properties of helicate of cobalt(II) with Bis(1,2,3,7,9-pentamethyldipyrrolylmethen-3-yl)methane. Russian Journal of General Chemistry, 2011, 81, 162-164.	0.3	7
60	Thermochemistry of ethyl acetate solvation in the 1-octanol-N,N-dimethylformamide system. Russian Journal of Physical Chemistry A, 2011, 85, 1903-1907.	0.1	7
61	Difluoroborates of phenyl-substituted aza-dipyrromethenes: Preparation, spectral properties, and stability in solution. Russian Journal of General Chemistry, 2015, 85, 2739-2742.	0.3	7
62	Title is missing!. Russian Chemical Bulletin, 2003, 52, 1807-1813.	0.4	6
63	Chlorophyll and Its Derivatives, Chlorins and Porphyrins, as a Promising Class of Environmentally Friendly Dyes. Russian Journal of Applied Chemistry, 2003, 76, 1958-1961.	0.1	6
64	Cadmium(II) for zinc(II) exchange reactions in deutero- and hematoporphyrin complexes in dimethyl sulfoxide. Russian Journal of Inorganic Chemistry, 2007, 52, 1430-1434.	0.3	6
65	Metal exchange between cadmium complexes with natural porphyrins and cobalt chloride in ethanol. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 913-917.	0.3	6
66	Enthalpies and heat capacities of hematoporphyrin solutions in N,N-dimethylformamide and octanol-1. Russian Journal of Physical Chemistry A, 2012, 86, 895-897.	0.1	6
67	Synthesis and Photochemical Properties of 2,3;5,6-bis(cyclohexano)-BODIPY. Journal of Fluorescence, 2018, 28, 393-407.	1.3	6
68	Spectral and Solvation Properties of Some Dipyrromethene Hydrobromides and Their Oxa- and Thia-Analoges. Molecules, 2000, 5, 809-815.	1.7	5
69	Metal exchange reactions between cadmium protoporphyrin and cobalt and zinc chlorides in acetonitrile and dimethyl sulfoxide. Russian Journal of Inorganic Chemistry, 2006, 51, 112-117.	0.3	5
70	Enthalpies and heat capacities of dissolution for calcium chloride and sodium oxalate. Russian Journal of Inorganic Chemistry, 2007, 52, 129-130.	0.3	5
71	The influence of the macroring structure on the solvation of nonplanar porphyrins in organic solvents. Russian Journal of Physical Chemistry A, 2009, 83, 1315-1320.	0.1	5
72	Photophysics of boron difluoride chelates with dihalogenated tetraphenyl-ms-azadipyrromethenes. High Energy Chemistry, 2016, 50, 266-273.	0.2	5

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73	Solvation interactions and photostability of tetrakis(1-methylpyridyl)porphyrin derivatives. Journal of Molecular Liquids, 2019, 290, 111196.	2.3	5
74	Thermochemistry of Solution of Fe(III) and Mn(III) Complexes with Natural Porphyrins. Russian Journal of General Chemistry, 2001, 71, 294-298.	0.3	4
75	Enthalpies of Protonation of Deutero- and Hematoporphyrin in Solutions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 371-374.	0.3	4
76	Title is missing!. Russian Journal of General Chemistry, 2002, 72, 1306-1310.	0.3	4
77	Correlation of the basicity of dipyrrolylmethenes biladienes-a,c with the thermal and kinetic stability of their salts. Russian Journal of General Chemistry, 2006, 76, 141-147.	0.3	4
78	Preparation and spectral properties of Zn(II) complexes with aryl-substituted dipyrrolylmethene and azadipyrrolylmethene. Russian Journal of General Chemistry, 2013, 83, 1941-1943.	0.3	4
79	Synthesis, structure and optical properties of a CoII complex with bis(2,4,7,8,9-pentamethyldipyrrolylmethen-3-yl)methane. Mendeleev Communications, 2014, 24, 61-63.	0.6	4
80	Cadmium(II) complexes with monoiodo- and dibromodipyrromethenes: synthesis, molecular structure, spectral-luminescent properties, and stability in solutions. Russian Chemical Bulletin, 2018, 67, 1231-1240.	0.4	4
81	Complex formation of tetra(3,5-di-tert-butylphenyl)porphine with copper(II) and zinc(II) acetates in organic solvents. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2009, 35, 335-340.	0.3	3
82	The physicochemical properties of complexones, tetrapyridylporphin derivatives. Russian Journal of Physical Chemistry A, 2009, 83, 785-791.	0.1	3
83	Influence of isomerism of the ligand on the enthalpies of formation of copper tetrapyridylporphine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 631-636.	0.3	3
84	Synthesis and optical properties of BF2-complexes of alkylated dipyrrolylmethenes (BODIPY). Russian Journal of General Chemistry, 2010, 80, 1214-1215.	0.3	3
85	Thermal properties of alkyl-substituted 3,3â€²-bis(dipyrrolylmethene) dihydrobromides. Thermochimica Acta, 2011, 523, 150-153.	1.2	3
86	Features of the solvation of meso-triphenylcorrole in organic solvents according to calorimetry. Russian Journal of Physical Chemistry A, 2013, 87, 593-597.	0.1	3
87	Preferable solvatation of decane and benzene in 1-octanol-N,N-dimethylformamide mixed solvent. Russian Journal of Physical Chemistry A, 2014, 88, 57-61.	0.1	3
88	Thermal properties and photostability of zinc(II) complexes with alkyl- and aryl-substituted dipyrrins and azadipyrrin. Russian Journal of Inorganic Chemistry, 2016, 61, 799-803.	0.3	3
89	Effect of Structure and Medium on Photostability of Halogenated Boron(III), Zinc(II), and Cadmium(II) Dipyrromethenates. Russian Journal of General Chemistry, 2018, 88, 1172-1179.	0.3	3
90	Spectral Luminescence Properties and Stability of Zinc(II) Dipyrromethenates with Different Structures in Proton-Donor Media in the Ground and Excited Electronic States. Russian Journal of Physical Chemistry A, 2019, 93, 301-307.	0.1	3

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91	Chemistry and Practical Application of Dipyrromethene Ligands, Salts, and Coordination Compounds as Optical Sensors for Analytes of Various Nature (A Review). Russian Journal of Inorganic Chemistry, 2022, 67, 321-337.	0.3	3
92	Energy of interaction of Ca2+ and C2O2â^' 4 Ions in multicomponent liquid systems: The inhibition of urolith formation. Doklady Chemistry, 2006, 410, 150-153.	0.2	2
93	The special features of the thermal oxidative destruction of isomeric dipyrrolylmethanes. Russian Journal of Physical Chemistry A, 2006, 80, S98-S101.	0.1	2
94	Crystal solvates of tetrakis(3,5-di-t-butylphenyl)-porphyrinates Mn(III), Ni(II) and Zn(II) with pyridine. Journal of Thermal Analysis and Calorimetry, 2008, 92, 671-675.	2.0	2
95	Synthesis and spectral properties of 3,3â€²-bis(dipyrrolylmethene). Russian Journal of General Chemistry, 2011, 81, 2352-2354.	0.3	2
96	Crystal structure and spectral luminescent properties of monoiodo-substituted borofluoride complex with dipyrrolylmethene. Journal of Structural Chemistry, 2014, 55, 1091-1096.	0.3	2
97	Enthalpies of mixing and intermolecular interactions in N,N-dimethylformamide-chloroform systems at temperatures ranging between 288 and 308 K. Russian Journal of Physical Chemistry A, 2014, 88, 348-350.	0.1	2
98	The effect of functional substitution on thermal stability of pyridinylporphyrins under argon atmosphere. Russian Journal of General Chemistry, 2016, 86, 835-839.	0.3	2
99	Solvation and coordination interactions of tetrapyridylporphyrin in aqueous solutions. Thermal stability. Russian Journal of General Chemistry, 2017, 87, 639-650.	0.3	2
100	Stability of nonplanar N-methylporphyrins and their zinc complexes. Russian Journal of General Chemistry, 2006, 76, 482-487.	0.3	1
101	The vibrational spectra and stability of dipyrrolylmethene hydrobromides and their oxa and thia derivatives. Russian Journal of Physical Chemistry A, 2006, 80, 1093-1098.	0.1	1
102	Enthalpies of reaction of calcium chloride and sodium oxalate in an aqueous NaCl solution. Russian Journal of Inorganic Chemistry, 2009, 54, 2027-2030.	0.3	1
103	The thermochemical characteristics and kinetics of complex formation for porphyrins with a nonplanar macroring structure. Russian Journal of Physical Chemistry A, 2009, 83, 717-723.	0.1	1
104	Enthalpies of reaction of calcium chloride and sodium oxalate in aqueous solution of Tween 80. Russian Journal of Inorganic Chemistry, 2011, 56, 139-140.	0.3	1
105	Kinetics of the metal-ligand exchange of cadmium rhodo- and pyrroporphyrins with cobalt and zinc chlorides in organic solvents. Russian Journal of Inorganic Chemistry, 2013, 58, 734-739.	0.3	1
106	Synthesis and properties of FeIII complexes with deuteroporphyrin and hematoporphyrin. Russian Journal of General Chemistry, 2013, 83, 106-109.	0.3	1
107	Photonics and application of dipyrrinates in the optical devices. Journal of Physics: Conference Series, 2016, 741, 012127.	0.3	1
108	Peculiarities of Solvation of Dodecaphenylporphine in Organic Solvents. Doklady Physical Chemistry, 2002, 384, 138-140.	0.2	0

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109	Alkyl-Substituted Dipyrrylmethenes and Their Oxa- and Thia-Analogues: â€œStructureâ€”Solvation Propertiesâ€•Correlations.. ChemInform, 2004, 35, no.	0.1	0
110	The influence of isomerism on the enthalpies of solution of dipyrrolylmethanes. Russian Journal of Physical Chemistry A, 2007, 81, 1774-1776.	0.1	0
111	The influence of structural factors on the solvation and coordination unsaturation of metal complexes of several structurally related alkyl substituted dipyrrolylmethenes-2,2â€² and porphin. Russian Journal of Physical Chemistry A, 2008, 82, 713-716.	0.1	0
112	Peculiarities of electrostatic interactions between amino acids and salicylic acid in aqueous solution. Biophysics (Russian Federation), 2009, 54, 139-142.	0.2	0
113	Solubility of Tetra(pyrid-3- and 4-yl)porphines and Their Complexes with d-Metals in Chloroform and Ethanol. Russian Journal of Physical Chemistry A, 2016, 90, 787-791.	0.1	0
114	Features of Photonics of Halogen-dipyrromethenates with p- and d-Elements Depending on the Ligand Structure and the Complexing Agent Type Intended for Practical Application. Russian Physics Journal, 2020, 63, 1370-1375.	0.2	0
115	A New Water-Soluble Form of BODIPY Luminophores Based on CremophorÂ®: Synthesis, Spectral Properties, and in vitro Study. Russian Journal of Physical Chemistry B, 2021, 15, 40-45.	0.2	0
116	Photonics of boron fluoride and zinc dipyrromethene complexes. , 2018, , .		0
117	Experimental and Theoretical Study of Spectroscopy of Binuclear Difluoroborate Dipyrromethene Complexes. Russian Physics Journal, 2022, 64, 2062-2069.	0.2	0