Zbigniew Hnatejko

List of Publications by Year in descending order

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78 papers	1,425 citations	393982 19 h-index	377514 34 g-index

79 all docs	79 docs citations	79 times ranked	1833 citing authors

#	Article	IF	Citations
1	Energy transfer in solution of lanthanide complexes. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 150, 233-247.	2.0	176
2	Luminescence Properties of Materials with Eu(III) Complexes:Â Role of Ligand, Coligand, Anion, and Matrix. Chemistry of Materials, 2003, 15, 656-663.	3.2	175
3	Carboxyl groups of citric acid in the process of complex formation with bivalent and trivalent metal ions in biological systems. Journal of Inorganic Biochemistry, 2018, 182, 37-47.	1.5	66
4	Luminescence studies of Eu(III) mixed ligand complexes. Journal of Alloys and Compounds, 2002, 344, 70-74.	2.8	47
5	Synthesis and Luminescence Properties of New Dinuclear Complexes of Lanthanide(III) Ions. European Journal of Inorganic Chemistry, 2004, 2004, 2379-2384.	1.0	46
6	6,6â€³-Dimethyl-2,2â€²:6â€²,2â€³-terpyridine revisited: New fluorescent silver(I) helicates with inÂvitro antiproliferative activity via selective nucleoli targeting. European Journal of Medicinal Chemistry, 2014, 86, 456-468.	2.6	42
7	Formation and dissociation kinetics of Eu(III) complexes with H5do3ap and similar dota-like ligands. Polyhedron, 2007, 26, 4119-4130.	1.0	39
8	Quaterpyridine Ligands Forming Helical Complexes of Monoâ€•and Dinuclear (Helicate) Forms. European Journal of Inorganic Chemistry, 2008, 2008, 2910-2920.	1.0	36
9	Spectroscopic Characterization of Eu(III) Complexes with New Monophosphorus Acid Derivatives of H4dota. Journal of Fluorescence, 2005, 15, 507-512.	1.3	34
10	Improvement of emission intensity in luminescent materials based on the antenna effect. Journal of Alloys and Compounds, 2000, 300-301, 55-60.	2.8	33
11	Spectral studies of zinc octacarboxyphthalocyanine aggregation. Dyes and Pigments, 2009, 80, 239-244.	2.0	31
12	New mononuclear manganese(II) and zinc(II) complexes with a terpyridine ligand: Structural, magnetic and spectroscopic properties. Polyhedron, 2011, 30, 730-737.	1.0	31
13	Grid-corner analogues: Synthesis, characterisation and spectroscopic properties of meridional complexes of tridentate NNO Schiff-base ligands. Polyhedron, 2010, 29, 178-187.	1.0	30
14	New complexes of cobalt(II) ions with pyridinecarboxylic acid N-oxides and 4,4â€²-byp. Journal of Molecular Structure, 2013, 1034, 128-133.	1.8	24
15	Full characterization and cytotoxic activity of new silver(<scp>i</scp>) and copper(<scp>i</scp>) helicates with quaterpyridine. New Journal of Chemistry, 2016, 40, 7943-7957.	1.4	24
16	Heterometallic trinuclear 3dâ€“4fâ€“3d compounds based on a hexadentate Schiff base ligand. Polyhedron, 2014, 68, 180-190.	1.0	23
17	Heterometallic ZnIIâ€“LnIIIâ€“ZnII Schiff Base Complexes with Linear or Bent Conformationâ€”Synthesis, Crystal Structures, Luminescent and Magnetic Characterization. Molecules, 2018, 23, 1761.	1.7	21
18	New vanadium complexes with 6,6â€³-dimethyl-2,2â€²:6â€²,2â€³-terpyridine in terms of structure and biological properties. Polyhedron, 2015, 97, 83-93.	1.0	20

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19	Absorption spectra, luminescence properties and electrochemical behavior of Mn(II), Fe(III) and Pt(II) complexes with quaterpyridine ligand. Polyhedron, 2014, 81, 188-195.	1.0	19
20	Structural Variety of Cobalt(II), Nickel(II), Zinc(II), and Cadmium(II) Complexes with 4,4â€²â€²Azopyridine: Synthesis, Structure and Luminescence Properties. Chemistry - an Asian Journal, 2015, 10, 2388-2396.	1.7	19
21	Antenna effect in an oxide xerogel. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 2183-2187.	2.0	18
22	Synthesis, spectroscopic and structural properties of uranyl complexes based on bipyridine N-oxide ligands. Polyhedron, 2011, 30, 880-885.	1.0	18
23	Spectroscopic study of lanthanide(III) complexes with chosen aminoacids and hydroxyacids in solution. Journal of Alloys and Compounds, 2000, 300-301, 38-44.	2.8	17
24	The Antenna Effect of Eu(III) Cryptate Entrapped in Xerogel Matrices. Molecular Crystals and Liquid Crystals, 2000, 354, 207-219.	0.3	17
25	Structural and spectroscopy studies of complexes of the uranyl ion with 2,2â€²-bipyridine-N,Nâ€²-dioxide. Polyhedron, 2010, 29, 2081-2086.	1.0	17
26	Self-assembly of transition metal ion complexes of a hybrid pyrazineâ€“terpyridine ligand. Dalton Transactions, 2013, 42, 1743-1751.	1.6	16
27	Thermodynamic and Spectroscopic Studies of the Complexes Formed in Tartaric Acid and Lanthanide(III) Ions Binary Systems. Molecules, 2020, 25, 1121.	1.7	16
28	A luminescene study of Eu(III) and Tb(III) complexes with aminopolycarboxylic acid ligands. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 79, 25-31.	2.0	15
29	Kinetic study of dissociation of Eu(III) complex with H8dotp (H8dotp=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis(methylphosphonic acid)). Inorganica Chimica Acta, 2007, 360, 3748-3755.	1.2	15
30	Lanthanide(III) compounds with the N2O4-donor Schiff base â€“ Synthesis, spectral, thermal, magnetic and luminescence properties. Journal of Molecular Structure, 2015, 1088, 50-55.	1.8	15
31	Luminescence properties of materials consisting of Eu(III) or Tb(III) complexes with 2,2â€²-bipyridine N,Nâ€²-dioxide and coligands entrapped in xerogels. Optical Materials, 2008, 30, 1225-1232.	1.7	13
32	Effect of air-absorbed oxygen and moisture on the chemical stability of photoexcitedMg,ZnandEuphthalocyanines in dimethylformamide. Journal of Porphyrins and Phthalocyanines, 2006, 10, 43-54.	0.4	12
33	Lanthanide complexes with diethyl(2-oxopropyl) phosphonate and diethyl(2-oxo-2-phenylethyl) phosphonate ligands. Journal of Alloys and Compounds, 2008, 451, 395-399.	2.8	12
34	Preparation and characterization of uranyl complexes with phosphonate ligands. Journal of Thermal Analysis and Calorimetry, 2010, 100, 253-260.	2.0	12
35	The spectroscopic studies of new polymeric complexes of silver(I) and original mononuclear complexes of lanthanides(III) with benzimidazole-based hydrazone. Polyhedron, 2017, 123, 243-251.	1.0	12
36	Luminescent materials consisting of Eu(III) ions complexed with cryptand ligand and coligands entrapped in xerogel matrices. Journal of Luminescence, 2005, 115, 122-130.	1.5	11

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37	Self-assembly of a tridentate Schiff-base ligand with Zn(II) in the presence of lanthanides: Novel crystal structures and spectroscopic properties. Polyhedron, 2012, 31, 51-57.	1.0	11
38	Two types of lanthanide Schiff base complexes: Synthesis, structure and spectroscopic studies. Polyhedron, 2015, 102, 224-232.	1.0	11
39	Structural, spectral and magnetic properties of Ni(<scp>ii</scp>), Co(<scp>ii</scp>) and Cd(<scp>ii</scp>) compounds with imidazole derivatives and silanethiolate ligands. CrystEngComm, 2017, 19, 3506-3518.	1.3	11
40	Molecular Switching of Copper Complexes with Quaterpyridine. European Journal of Inorganic Chemistry, 2017, 2017, 859-872.	1.0	11
41	Different supramolecular architectures in self-assembled praseodymium(III) and europium(III) complexes with rare coordination pattern of salicylaldimine ligand. Polyhedron, 2015, 97, 167-174.	1.0	10
42	Complexation behavior of 6,6â€³-dimethyl-2,2â€²:6â€²,2â€³-terpyridine ligand with Co(II), Au(III), Ag(I), Zn(II) and Cd(II) ions: Synthesis, spectroscopic characterization and unusual structural motifs. Polyhedron, 2019, 157, 249-261.	1.0	10
43	Threshold bootstrap target factor analysis study of neodymium with pyridine 2,4 dicarboxylic acid N-oxideâ€"an investigation of traceability. Talanta, 2004, 63, 287-296.	2.9	9
44	Association of quaterpyridine complex cations with polyanionometallates. Supramolecular Chemistry, 2009, 21, 48-54.	1.5	9
45	Synthesis, spectroscopic characterization and antifungal activity studies of five novel complexes with pyridine carboxamides. Polyhedron, 2017, 133, 187-194.	1.0	9
46	Spectroscopic studies of the lanthanide(III) ions with pyridine carboxylic acid N-oxide ligands and in mixed ligand complexes. Molecular Physics, 2003, 101, 977-981.	0.8	8
47	Zn(II) and Cd(II) coordination polymers with tri-tert-butoxysilanethiol and bipyridines. Synthesis, crystal structure and spectroscopy. Optical Materials, 2013, 36, 554-561.	1.7	8
48	Pyridine N-oxide complexes of Cu(II) ions with pseudohalides: Synthesis, structural and spectroscopic characterization. Polyhedron, 2014, 81, 728-734.	1.0	8
49	Binuclear Co(II), Zn(II) and Cd(II) tri-tert-butoxysilanethiolates. Synthesis, crystal structure and spectroscopic studies. Polyhedron, 2014, 79, 116-123.	1.0	8
50	Unsymmetrical bidentate ligands as a basis for construction of ambidentate ligands for functional materials: Properties of 4,4-dimethyl-1-phenylpentane-1,3-dionate. Polyhedron, 2017, 137, 270-277.	1.0	8
51	Silver complexes stabilized by large silanethiolate ligands â€“ crystal structures and luminescence properties. Dalton Transactions, 2017, 46, 11097-11107.	1.6	8
52	New coordination compounds of citric acid and polyamines with lanthanide ions - potential application in monitoring the treatment of cancer diseases. Journal of Inorganic Biochemistry, 2019, 198, 110715.	1.5	8
53	Halogen bonded lamellar motifs in crystals of Schiff base ZnIIâ€“LnIIIâ€“ZnII coordination compounds â€“ Synthesis, structure, Hirshfeld surface analysis and physicochemical properties. Polyhedron, 2019, 166, 83-90.	1.0	8
54	Spectroscopic studies of lanthanides complexes with diethyl benzylphosphonate and diethylphosphonoacetic acid. Journal of Alloys and Compounds, 2008, 451, 388-394.	2.8	7

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55	Complexation, luminescence and energy transfer of Ln(III) ions with phenylphosphonic acid. Journal of Alloys and Compounds, 2004, 380, 181-185.	2.8	6
56	New complexes of heteroaromatic N-oxides with europium, uranyl and zinc ions. Journal of Rare Earths, 2012, 30, 552-558.	2.5	6
57	Generation of Low-Dimensional Architectures through the Self-Assembly of Pyromellitic Diimide Derivatives. ACS Omega, 2017, 2, 1672-1678.	1.6	6
58	Structural, Luminescent and Thermal Properties of Heteronuclear PdIIâ€“LnIIIâ€“PdII Complexes of Hexadentate N2O4 Schiff Base Ligand. Molecules, 2018, 23, 2423.	1.7	6
59	Influence of xerogel matrices and co-ligands on luminescence parameters in materials with an europium(III) cryptate. Journal of Non-Crystalline Solids, 2005, 351, 2047-2056.	1.5	5
60	Luminescense properties of new complexes of Eu(III) and Tb(III) with heterotopic ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 64, 830-834.	2.0	5
61	Isostructural zinc and cadmium silanethiolates with bridging biimidazole co-ligands â€“ Enhanced luminescence of zinc complex. Inorganica Chimica Acta, 2017, 459, 22-28.	1.2	5
62	Four new amide derivatives of pyridinecarboxylic acids. Synthesis, structure and spectroscopic characterization. Journal of Molecular Structure, 2017, 1145, 86-93.	1.8	5
63	Five subsequent new pyridine carboxamides and their complexes with d-electron ions. Synthesis, spectroscopic characterization and magnetic properties. Journal of Molecular Structure, 2019, 1178, 669-681.	1.8	5
64	Luminescent activity of metallosupramolecular Cd(II) complexes containing dimethylterpyridine ligand. Arabian Journal of Chemistry, 2019, 12, 729-738.	2.3	5
65	Luminescence study of complexation of Eu(III) and Tb(III) with N-methyliminodiacetic acid. Journal of Alloys and Compounds, 1995, 225, 515-519.	2.8	4
66	Spectroscopic studies of the complexes formed between lanthanide ions and N-(2-hydroxyethyl)iminodiacetic acid in solution. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 119, 109-114.	2.0	4
67	Stability and mode of coordination complexes formed in the silver(i)/nucleoside systems. New Journal of Chemistry, 2011, 35, 1672.	1.4	4
68	Direct spectroscopic speciation of the complexation of U(VI) in acetate solution. Monatshefte FÃ¼r Chemie, 2014, 145, 1689-1696.	0.9	4
69	One-pot metal template synthesis, crystal structures and spectroscopic properties of self-assembled rare earth metal ion complexes of salicylaldimine ligands. Inorganica Chimica Acta, 2016, 453, 409-414.	1.2	4
70	A series of new pyridine carboxamide complexes and self-assemblies with Tb(III), Eu(III), Zn(II), Cu(II) ions and their luminescent and magnetic properties. Journal of Coordination Chemistry, 2019, 72, 727-748.	0.8	4
71	New complexes of 2-(4-pyridyl)-1,3-benzothiazole with metal ions; synthesis, structural and spectral studies. Polyhedron, 2018, 148, 1-8.	1.0	3
72	Synthesis, complexation studies and structural characterization of d and f metal ion complexes with 4-chloroquinaldinic acid N-oxide. Journal of Molecular Structure, 2012, 1010, 59-66.	1.8	2

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73	Supramolecular complexes of cobalt(II), manganese(II) and cadmium(II) with bis(terpyridine) ligand as novel luminescent materials. Polish Journal of Chemical Technology, 2013, 15, 91-95.	0.3	2
74	The formation of mononuclear iron(II) and zinc(II) complexes and dinuclear mesocates of copper(II) with pyrazine-bis(bipyridine) ligand. Polyhedron, 2016, 118, 1-5.	1.0	2
75	Spectroscopic Characterization of Ethylenediamine-di(o-hydroxyphenyl)acetic Acid and its Complexes with Lanthanide(III) Ions. Acta Physica Polonica A, 1996, 90, 353-359.	0.2	2
76	Nitrate and nitrite silver complexes with weakly coordinating nitriles. Polyhedron, 2022, 220, 115831.	1.0	2
77	<title>Measurements of the luminescence lifetimes of Europium (III) ion in nitrilotriacetic acid (NTA) aqueous solution system</title>. , 1995, , .		0
78	Molecular Switching of Copper Complexes with Quaterpyridine. European Journal of Inorganic Chemistry, 2017, 2017, 858-858.	1.0	0