

Oxana Kotova

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53
papers

1,586
citations

22
h-index

39
g-index

54
ext. papers

1,746
ext. citations

4.5
avg, IF

4.53
L-index

#	Paper	IF	Citations
53	Healable luminescent self-assembly supramolecular metallogels possessing lanthanide (Eu/Tb) dependent rheological and morphological properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1983-92	16.4	174
52	Europium-directed self-assembly of a luminescent supramolecular gel from a tripodal terpyridine-based ligand. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7208-12	16.4	160
51	Lanthanide-functionalized nanoparticles as MRI and luminescent probes for sensing and/or imaging applications. <i>Inorganic Chemistry</i> , 2014 , 53, 1867-79	5.1	103
50	Role of the ancillary ligand N,N-dimethylaminoethanol in the sensitization of Eu(III) and Tb(III) luminescence in dimeric beta-diketonates. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 3614-26	2.8	98
49	Supramolecular Chemistry: A Toolkit for Soft Functional Materials and Organic Particles. <i>Chem</i> , 2017 , 3, 764-811	16.2	91
48	New trick for an old ligand! The sensing of Zn(II) using a lanthanide based ternary Yb(III)-cyclen-8-hydroxyquinoline system as a dual emissive probe for displacement assay. <i>Inorganic Chemistry</i> , 2012 , 51, 10158-68	5.1	88
47	Sensing of biologically relevant d-metal ions using a Eu(III)-cyclen based luminescent displacement assay in aqueous pH 7.4 buffered solution. <i>Chemical Communications</i> , 2011 , 47, 6810-2	5.8	51
46	Theoretical study of structure and electronic absorption spectra of some Schiff bases and their zinc complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 11123-30	5.1	50
45	Zinc(II) complexes with Schiff bases derived from ethylenediamine and salicylaldehyde: the synthesis and photoluminescent properties. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1880-1889	1.7	48
44	Chemical nano-gardens: growth of salt nanowires from supramolecular self-assembly gels. <i>ACS Nano</i> , 2013 , 7, 4838-45	16.7	46
43	White-light emission from discrete heterometallic lanthanide-directed self-assembled complexes in solution. <i>Chemical Science</i> , 2017 , 8, 3419-3426	9.4	44
42	Synthesis, structural, photophysical and electrochemical studies of various d-metal complexes of btp [2,6-bis(1,2,3-triazol-4-yl)pyridine] ligands that give rise to the formation of metallo-supramolecular gels. <i>Dalton Transactions</i> , 2014 , 43, 196-209	4.3	42
41	Probing the effects of ligand isomerism in chiral luminescent lanthanide supramolecular self-assemblies: a europium "Trinity Sliotar" study. <i>Chemistry - A European Journal</i> , 2013 , 19, 16181-6	4.8	42
40	The application of chiroptical spectroscopy (circular dichroism) in quantifying binding events in lanthanide directed synthesis of chiral luminescent self-assembly structures. <i>Chemical Science</i> , 2015 , 6, 457-471	9.4	40
39	Cross-Linking the Fibers of Supramolecular Gels Formed from a Tripodal Terpyridine Derived Ligand with d-Block Metal Ions. <i>Inorganic Chemistry</i> , 2015 , 54, 7735-41	5.1	33
38	Aggregation induced emission (AIE) active 4-amino-1,8-naphthalimide-Tröger's base for the selective sensing of chemical explosives in competitive aqueous media. <i>Chemical Communications</i> , 2020 , 56, 2562-2565	5.8	32
37	Electroluminescent properties of the mixed-ligand complex of terbium salicylate with triphenylphosphine oxide. <i>Synthetic Metals</i> , 2004 , 141, 225-230	3.6	31

36	Recent advances in the development of luminescent lanthanide-based supramolecular polymers and soft materials. <i>Dalton Transactions</i> , 2018 , 47, 16377-16387	4.3	30
35	Synthesis of luminescent homo-dinuclear cationic lanthanide cyclen complexes bearing amide pendant arms through the use of copper catalysed (1,3-Huisgen, CuAAC) click chemistry. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 314-22	3.9	25
34	Europium-Directed Self-Assembly of a Luminescent Supramolecular Gel from a Tripodal Terpyridine-Based Ligand. <i>Angewandte Chemie</i> , 2012 , 124, 7320-7324	3.6	25
33	Low temperature X-ray diffraction analysis, electronic density distribution and photophysical properties of bidentate N,O-donor salicylaldehyde Schiff bases and zinc complexes in solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 218, 117-129	4.7	24
32	The effect of the linker size in C-symmetrical chiral ligands on the self-assembly formation of luminescent triple-stranded di-metallic Eu(III) helicates in solution. <i>Dalton Transactions</i> , 2018 , 47, 12308-12317	4.3	23
31	OLEDs based on some mixed-ligand terbium carboxylates and zinc complexes with tetradentate Schiff bases: Mechanisms of electroluminescence degradation. <i>Synthetic Metals</i> , 2009 , 159, 625-631	3.6	22
30	Molecular structures of 3d metal complexes with various Schiff bases studied by gas-phase electron diffraction and quantum-chemical calculations. <i>Journal of Molecular Structure</i> , 2012 , 1012, 151-161	3.4	19
29	Surface-Modified Gold Nanoparticles Possessing Two-Channel Responsive Eu /Tb Cyclen Complexes as Luminescent Logic Gate Mimics. <i>ChemPhysChem</i> , 2017 , 18, 1746-1751	3.2	18
28	Luminescent lanthanide (Eu(III)) cross-linked supramolecular metallo co-polymeric hydrogels: the effect of ligand symmetry. <i>Chemical Communications</i> , 2019 , 55, 1754-1757	5.8	18
27	New Helical Zinc Complexes with Schiff Base Derivatives of β -Diketones or β -Keto Esters and Ethylenediamine. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3467-3474	2.3	18
26	Influence of heteroligand complexation on the thermal, photoluminescent, and film-forming properties of some aromatic terbium(III) carboxylates. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2006 , 32, 901-909	1.6	18
25	Novel terbium luminescent complexes with o-phosphorylated phenolate ligands. <i>Inorganic Chemistry Communication</i> , 2012 , 20, 73-76	3.1	17
24	Exploring the Effect of Ligand Structural Isomerism in Langmuir-Blodgett Films of Chiral Luminescent Eu(III) Self-Assemblies. <i>Chemistry - A European Journal</i> , 2016 , 22, 9709-23	4.8	16
23	Reactive chemical vapour deposition (RCVD) of non-volatile terbium aromatic carboxylate thin films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4897		14
22	Molecular structure of N,N'-o-phenylene-bis(salicylideneaminato)copper(II) studied by gas-phase electron diffraction and quantum-chemical calculations. <i>Structural Chemistry</i> , 2011 , 22, 441-448	1.8	14
21	Photo- and electroluminescent properties of zinc(II) complexes with tetradentate Schiff bases, derivatives of salicylic aldehyde. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2010 , 108, 463-465	0.7	14
20	IR Spectra of N,N'-Ethylene-Bis(salicylaldehydes) and N,N'-ethylene-Bis(acetylacetonimines) of Ni(II), Cu(II), and Zn(II). <i>Russian Journal of Physical Chemistry A</i> , 2009 , 83, 2255-2265	0.7	14
19	Gas-phase synthesis of lanthanide(III) benzoates Ln(Bz) ₃ (Ln = La, Tb, Lu). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2007 , 33, 454-457	1.6	12

18	Gas-phase synthesis of terbium and lutetium carboxylates. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1878-1884	1.5	12
17	Dimeric lanthanide hexafluoroacetylacetonate adducts with 4-cyanopyridine-N-oxide. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 414-417	5.7	10
16	Reactive Chemical Vapor Deposition Method as New Approach for Obtaining Electroluminescent Thin Film Materials. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-9	1.5	8
15	Fluorescent supramolecular hierarchical self-assemblies from glycosylated 4-amino- and 4-bromo-1,8-naphthalimides. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3475-3480	3.9	8
14	Molecular structure of N,N'-o-phenylene-bis(salicylideneaminato)zinc(II), Zn(saloph), according to gas-phase electron diffraction and quantum-chemical calculations. <i>Journal of Molecular Structure</i> , 2010 , 978, 178-186	3.4	7
13	Structure of a zinc(II) N,N'-ethylene-bis(acetylacetonimate) molecule, ZnO ₂ N ₂ C ₁₂ H ₁₈ , according to gas electron diffraction data and quantum chemical calculations. <i>Journal of Structural Chemistry</i> , 2010 , 51, 23-31	0.9	4
12	Geometric and electronic structure of an N,N'-ethylene-bis(salicylaldiminato) zinc(II) molecule, ZnO ₂ N ₂ C ₁₆ H ₁₄ . <i>Journal of Structural Chemistry</i> , 2010 , 51, 223-230	0.9	4
11	Two-diode organic light amplifiers/converters and peculiarities of photocurrent multiplication. <i>Synthetic Metals</i> , 2006 , 156, 624-632	3.6	4
10	Synthesis of mixed-ligand alkali earth element dipivaloylmethanates with o-phenanthroline. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009 , 35, 793-797	1.6	2
9	Direct laser desorption/ionization mass spectrometry characterization of some aromatic lanthanide carboxylates. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 410-413	5.7	2
8	Luminescence instability of films and new organic light-emitting diodes based on zinc complexes with tetradentate Schiff bases: Influence of heating and laser irradiation. <i>Journal of Russian Laser Research</i> , 2008 , 29, 497-503	0.7	2
7	The topography of organic light-emitting diode-component functional layers as studied by atomic force microscopy. <i>Mendeleev Communications</i> , 2004 , 14, 155-157	1.9	2
6	Fluorescent 4-amino-1,8-naphthalimide Tröger's bases possessing conjugated 4-amino-1,8-naphthalimide moieties and their potential fullerenes Host-Guest complexes. <i>Results in Chemistry</i> , 2021 , 3, 100128	2.1	2
5	Magnetic luminescent material based on silver doped lanthanum manganite and europium salts with 1,10-phenanthroline. <i>Russian Chemical Bulletin</i> , 2015 , 64, 219-223	1.7	1
4	Mass spectrometric study of the overheated vapor over nickel(II), Copper(II), and Zinc(II) N,N'-Ethylenebis(salicylaldiminato) complexes. <i>Russian Journal of Inorganic Chemistry</i> , 2010 , 55, 421-426 ^{1.5}	1.5	1
3	Fluorescent 4-amino-1,8-naphthalimide Tröger's bases (TBNaps) possessing (orthogonal) 'β-amino acids', esters and di-peptides and their solvent dependent photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 6817-6833	3.9	1
2	Mass spectrometric study of the vaporization of N,N'-o-phenylene-bis(salicylideneiminato) nickel(II), copper(II), and zinc(II) and N,N'-ethylene-bis(salicylaldiminato) zinc(II) complexes. <i>Russian Journal of Physical Chemistry A</i> , 2012 , 86, 816-824	0.7	
1	Study of the electronic structure of Al(III) and Zn(II) complexes with organic ligands by quantum chemistry and photoelectron spectroscopy methods. <i>Journal of Surface Investigation</i> , 2011 , 5, 11-16	0.5	

