Natalia P Kuzmina

List of Publications by Year in Descending Order

53 papers	1,212 citations	20 h-index	32 g-index
53 ext. papers	1,296 ext. citations	3.6 avg, IF	3.95 L-index

#	Paper	IF	Citations
53	Brightly luminescent lanthanide pyrazolecarboxylates: Synthesis, luminescent properties and influence of ligand isomerism. *Journal of Luminescence*, **2019**, 205, 429-439	3.8	21
52	Surface modified LnxLa1-xF3 (Ln = Dy, Yb) nanoparticles: Toward bright NIR luminescence. *Dyes and Pigments*, **2019**, 160, 890-897	4.6	8
51	One-dimensional coordination polymers of whole row rare earth tris-pivalates. *Journal of Solid State Chemistry*, **2018**, 258, 876-884	3.3	9
50	Lanthanide pyrazolecarboxylates for OLEDs and bioimaging. *Journal of Luminescence*, **2018**, 202, 38-46	3.8	24
49	The development of a new approach toward lanthanide-based OLED fabrication: new host materials for Tb-based emitters. *Dalton Transactions*, **2018**, 47, 16350-16357	4.3	19
48	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. *Organic Electronics*, **2017**, 44, 85-93	3.5	30
47	Surface modified EuxLa1-xF3 nanoparticles as luminescent biomarkers: Still plenty of room at the bottom. *Dyes and Pigments*, **2017**, 143, 348-355	4.6	16
46	Lanthanide Fluorobenzoates as Bio-Probes: a Quest for the Optimal Ligand Fluorination Degree. *Chemistry - A European Journal*, **2017**, 23, 14944-14953	4.8	20
45	Lanthanide Tetrafluoroterephthalates for Luminescent Ink-Jet Printing. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5635-5639	2.3	14
44	Structural diversity of volatile mixed ligand complexes of alkaline earth element hexafluoroacetylacetonates with triglyme and related polyglymes. *Polyhedron*, **2017**, 134, 246-256	2.7	7
43	Luminescence Enhancement by p-Substituent Variation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 107-114	2.3	22
42	Luminescence enhancement of nanosized ytterbium and europium fluorides by surface complex formation with aromatic carboxylates. *Journal of Luminescence*, **2016**, 170, 633-640	3.8	18
41	Lanthanide 9-anthracenate: solution processable emitters for efficient purely NIR emitting host-free OLEDs. *Journal of Materials Chemistry C*, **2016**, 4, 9848-9855	7.1	42
40	OLED thin film fabrication from poorly soluble terbium o -phenoxybenzoate through soluble mixed-ligand complexes. *Organic Electronics*, **2016**, 28, 319-329	3.5	20
39	Unusual Luminescence Properties of Heterometallic REE Terephthalates. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1660-1664	2.3	28
38	Highly Luminescent, Water-Soluble Lanthanide Fluorobenzoates: Syntheses, Structures and Photophysics, Part I: Lanthanide Pentafluorobenzoates. *Chemistry - A European Journal*, **2015**, 21, 17921-32	4.8	46
37	Mixed-ligand terbium hydroxyaromatic carboxylates with o-phenanthroline: luminescence quenching at 300 and 77K. *Mendeleev Communications*, **2014**, 24, 91-93	1.9	22

36	Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties. *Dalton Transactions*, **2014**, 43, 3121-36	4.3	36
35	The effect of surface modification on Eu3+ luminescence in EuF3 nanoparticles. *Applied Surface Science*, **2014**, 307, 482-488	6.7	11
34	Copper(II) Complexes with Aromatic o-Phosphorylated Phenols Synthesis, Crystal Structures, and X-ray Photoelectron Spectroscopy. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4823-4831	2.3	9
33	Mixed-ligand terbium terephthalates: Synthesis, photophysical and thermal properties and use for luminescent terbium terephthalate thin film deposition. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 253, 72-80	4.7	20
32	Novel terbium luminescent complexes with o-phosphorylated phenolate ligands. *Inorganic Chemistry Communication*, **2012**, 20, 73-76	3.1	17
31	Reactive chemical vapour deposition (RCVD) of non-volatile terbium aromatic carboxylate thin films. *Journal of Materials Chemistry*, **2012**, 22, 4897		14
30	Reactive Chemical Vapor Deposition Method as New Approach for Obtaining Electroluminescent Thin Film Materials. *Advances in Materials Science and Engineering*, **2012**, 2012, 1-9	1.5	8
29	Deciphering three beneficial effects of 2,2 bipyridine-N,N dioxide on the luminescence sensitization of lanthanide(III) hexafluoroacetylacetonate ternary complexes. *Inorganic Chemistry*, **2011**, 50, 5137-44	5.1	82
28	Molecular structure of N,N?-o-phenylene-bis(salicylideneaminato)copper(II) studied by gas-phase electron diffraction and quantum-chemical calculations. *Structural Chemistry*, **2011**, 22, 441-448	1.8	14
27	Novel mononuclear mixed ligand Ce(III) pivalate with protonated cationic form of monoethanolamine as ancillary ligand. *Inorganic Chemistry Communication*, **2011**, 14, 180-183	3.1	7
26	Formation of complexes on the surface of nanosized europium fluoride. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 377, 367-373	5.1	15
25	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. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 218, 117-129	4.7	24
24	Low temperature phase transitions as a representation of structural flexibility of alkaline earth mixed ligand diketonates. *Polyhedron*, **2011**, 30, 599-605	2.7	7
23	Chemical Solution Deposition of Ceria Textured Thin Films from Novel Mixed-Ligand Metal Organic Precursors. *Chemistry of Materials*, **2010**, 22, 5803-5813	9.6	13
22	Highly luminescent and triboluminescent coordination polymers assembled from lanthanide diketonates and aromatic bidentate O-donor ligands. *Inorganic Chemistry*, **2010**, 49, 9300-11	5.1	153
21	Thin Films of Tb(pobz)3 (Hpobz = 2-phenoxybenzoic acid): Reactive CVD and Optical Properties. *ECS Transactions*, **2009**, 25, 1107-1114	1	9
20	Low-temperature MOCVD of Epitaxial CaF2 and SrF2 Films. *ECS Transactions*, **2009**, 25, 525-532	1	5
19	Novel Low Melting Point Barium and Strontium Precursors for the MOCVD Growth of Barium-Strontium-Titanate Films. *Chemical Vapor Deposition*, **2009**, 15, 342-349		12

18	New Helical Zinc Complexes with Schiff Base Derivatives of β-Diketonates or β-Keto Esters and Ethylenediamine. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3467-3474	2.3	18
17	OLEDs based on some mixed-ligand terbium carboxylates and zinc complexes with tetradentate Schiff bases: Mechanisms of electroluminescence degradation. *Synthetic Metals*, **2009**, 159, 625-631	3.6	22
16	Direct laser desorption/ionization mass spectrometry characterization of some aromatic lanthanide carboxylates. *Journal of Alloys and Compounds*, **2008**, 451, 410-413	5.7	2
15	Dimeric lanthanide hexafluoroacetylacetonate adducts with 4-cyanopyridine-N-oxide. *Journal of Alloys and Compounds*, **2008**, 451, 414-417	5.7	10
14	Mixed ligand complexes of AEE hexafluoroacetylacetonates with diglyme: Synthesis, crystal structure and thermal behavior. *Polyhedron*, **2008**, 27, 2811-2818	2.7	19
13	Role of the ancillary ligand N,N-dimethylaminoethanol in the sensitization of Eu(III) and Tb(III) luminescence in dimeric beta-diketonates. *Journal of Physical Chemistry A*, **2008**, 112, 3614-26	2.8	98
12	Dimeric Complexes of Lanthanide(III) Hexafluoroacetylacetonates with4-Cyanopyridine N-Oxide: Synthesis, Crystal Structure, Magnetic and Photoluminescent Properties. *European Journal of Inorganic Chemistry*, **2006**, 2006, 4809-4820	2.3	75
11	Two-diode organic light amplifiers/converters and peculiarities of photocurrent multiplication. *Synthetic Metals*, **2006**, 156, 624-632	3.6	4
10	Synthesis, crystal structures and theoretical study of mixed ligand complexes of lanthanides acetylacetonates with o-phenanthroline and 2,2?-dipyridyl: The unexpected inverted electrostatic trend in stability. *Journal of Molecular Structure*, **2006**, 789, 187-194	3.4	12
9	The topography of organic light-emitting diode-component functional layers as studied by atomic force microscopy. *Mendeleev Communications*, **2004**, 14, 155-157	1.9	2
8	Synthesis, crystal structure and magnetic properties of dinuclear manganese(II) diketonate with cyanopyridine-N-oxide bridging ligands [Mn(hfac)2(4-cpyNO)]2. *Polyhedron*, **2004**, 23, 879-883	2.7	9
7	The use of 3d-metal complexes as ligands to prepare volatile 4f–3d heterobimetallic complexes. *Journal of Alloys and Compounds*, **2004**, 374, 315-319	5.7	18
6	Synthesis, characterization and luminescence properties of europium(III) and terbium(III) complexes with 2-pyrazinecarboxylic acid. *Journal of Alloys and Compounds*, **2004**, 374, 293-297	5.7	
5	Electroluminescent properties of the mixed-ligand complex of terbium salicylate with triphenylphosphine oxide. *Synthetic Metals*, **2004**, 141, 225-230	3.6	31
4	The Heterotrimetallic Complex [Ni(acacen)KLa(pta)4]: Structural and Thermochemical Studies. *European Journal of Inorganic Chemistry*, **2001**, 2001, 701-706	2.3	6
3	Synergism by sublimation of volatile lanthanide β-diketonates. *Journal of Alloys and Compounds*, **2000**, 308, 158-162	5.7	11
2	Synthesis, crystal structure and thermal behaviour of Ba(hfa)2(Phen)2 and the crystal structure of Ba2(hfa)2(μ2-CF3COO)2(Phen)4 (hfa=hexafluoroacetylacetonate, Phen=o-Phenanthroline). *Polyhedron*, **1999**, 18, 2177-2184	2.7	15
1	Heterobimetallic d–f Metal Complexes as Potential Single-Source Precursors for MOCVD: Structure and Thermodynamic Study of the Sublimation of [Ni(salen)Ln(hfa)3], Ln = Y, Gd. *European Journal of Inorganic Chemistry*, **1998**, 1998, 1169-1174	2.3	38