

# Natalia P Kuzmina

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Highly luminescent and triboluminescent coordination polymers assembled from lanthanide $\beta$ -diketonates and aromatic bidentate O-donor ligands. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 9300-11	5.1	153
52	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> , <b>2008</b> , 112, 3614-26	2.8	98
51	Deciphering three beneficial effects of 2,2'-bipyridine-N,N'-dioxide on the luminescence sensitization of lanthanide(III) hexafluoroacetylacetonate ternary complexes. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 5137-44	5.1	82
50	Dimeric Complexes of Lanthanide(III) Hexafluoroacetylacetonates with 4-Cyanopyridine N-Oxide: Synthesis, Crystal Structure, Magnetic and Photoluminescent Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 4809-4820	2.3	75
49	Highly Luminescent, Water-Soluble Lanthanide Fluorobenzoates: Syntheses, Structures and Photophysics, Part I: Lanthanide Pentafluorobenzoates. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17921-32	4.8	46
48	Lanthanide 9-anthracenate: solution processable emitters for efficient purely NIR emitting host-free OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9848-9855	7.1	42
47	Heterobimetallic d <sup>8</sup> Metal Complexes as Potential Single-Source Precursors for MOCVD: Structure and Thermodynamic Study of the Sublimation of [Ni(salen)Ln(hfa) <sub>3</sub> ], Ln = Y, Gd. <i>European Journal of Inorganic Chemistry</i> , <b>1998</b> , 1998, 1169-1174	2.3	38
46	Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3121-36	4.3	36
45	Electroluminescent properties of the mixed-ligand complex of terbium salicylate with triphenylphosphine oxide. <i>Synthetic Metals</i> , <b>2004</b> , 141, 225-230	3.6	31
44	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. <i>Organic Electronics</i> , <b>2017</b> , 44, 85-93	3.5	30
43	Unusual Luminescence Properties of Heterometallic REE Terephthalates. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 1660-1664	2.3	28
42	Lanthanide pyrazolecarboxylates for OLEDs and bioimaging. <i>Journal of Luminescence</i> , <b>2018</b> , 202, 38-46	3.8	24
41	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> , <b>2011</b> , 218, 117-129	4.7	24
40	Mixed-ligand terbium hydroxyaromatic carboxylates with o-phenanthroline: luminescence quenching at 300 and 77K. <i>Mendeleev Communications</i> , <b>2014</b> , 24, 91-93	1.9	22
39	Luminescence Enhancement by p-Substituent Variation. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 107-114	2.3	22
38	OLEDs based on some mixed-ligand terbium carboxylates and zinc complexes with tetradentate Schiff bases: Mechanisms of electroluminescence degradation. <i>Synthetic Metals</i> , <b>2009</b> , 159, 625-631	3.6	22
37	Brightly luminescent lanthanide pyrazolecarboxylates: Synthesis, luminescent properties and influence of ligand isomerism. <i>Journal of Luminescence</i> , <b>2019</b> , 205, 429-439	3.8	21

36	OLED thin film fabrication from poorly soluble terbium o -phenoxybenzoate through soluble mixed-ligand complexes. <i>Organic Electronics</i> , <b>2016</b> , 28, 319-329	3.5	20
35	Mixed-ligand terbium terephthalates: Synthesis, photophysical and thermal properties and use for luminescent terbium terephthalate thin film deposition. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 253, 72-80	4.7	20
34	Lanthanide Fluorobenzoates as Bio-Probes: a Quest for the Optimal Ligand Fluorination Degree. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14944-14953	4.8	20
33	Mixed ligand complexes of AEE hexafluoroacetylacetonates with diglyme: Synthesis, crystal structure and thermal behavior. <i>Polyhedron</i> , <b>2008</b> , 27, 2811-2818	2.7	19
32	The development of a new approach toward lanthanide-based OLED fabrication: new host materials for Tb-based emitters. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16350-16357	4.3	19
31	Luminescence enhancement of nanosized ytterbium and europium fluorides by surface complex formation with aromatic carboxylates. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 633-640	3.8	18
30	New Helical Zinc Complexes with Schiff Base Derivatives of $\beta$ -diketonates or $\beta$ -keto Esters and Ethylenediamine. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 3467-3474	2.3	18
29	The use of 3d-metal complexes as ligands to prepare volatile 4f/3d heterobimetallic complexes. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 374, 315-319	5.7	18
28	Novel terbium luminescent complexes with o-phosphorylated phenolate ligands. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 20, 73-76	3.1	17
27	Surface modified EuxLa <sub>1-x</sub> F <sub>3</sub> nanoparticles as luminescent biomarkers: Still plenty of room at the bottom. <i>Dyes and Pigments</i> , <b>2017</b> , 143, 348-355	4.6	16
26	Formation of complexes on the surface of nanosized europium fluoride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 377, 367-373	5.1	15
25	Synthesis, crystal structure and thermal behaviour of Ba(hfa) <sub>2</sub> (Phen) <sub>2</sub> and the crystal structure of Ba <sub>2</sub> (hfa) <sub>2</sub> ( $\beta$ -CF <sub>3</sub> COO) <sub>2</sub> (Phen) <sub>4</sub> (hfa=hexafluoroacetylacetonate, Phen=o-Phenanthroline). <i>Polyhedron</i> , <b>1999</b> , 18, 2177-2184	2.7	15
24	Lanthanide Tetrafluoroterephthalates for Luminescent Ink-Jet Printing. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 5635-5639	2.3	14
23	Reactive chemical vapour deposition (RCVD) of non-volatile terbium aromatic carboxylate thin films. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 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> , <b>2011</b> , 22, 441-448	1.8	14
21	Chemical Solution Deposition of Ceria Textured Thin Films from Novel Mixed-Ligand Metal/Organic Precursors. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5803-5813	9.6	13
20	Novel Low Melting Point Barium and Strontium Precursors for the MOCVD Growth of Barium-Strontium-Titanate Films. <i>Chemical Vapor Deposition</i> , <b>2009</b> , 15, 342-349		12
19	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. <i>Journal of Molecular Structure</i> , <b>2006</b> , 789, 187-194	3.4	12

18	The effect of surface modification on Eu <sup>3+</sup> luminescence in EuF <sub>3</sub> nanoparticles. <i>Applied Surface Science</i> , <b>2014</b> , 307, 482-488	6.7	11
17	Synergism by sublimation of volatile lanthanide $\beta$ -diketonates. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 308, 158-162	5.7	11
16	Dimeric lanthanide hexafluoroacetylacetonate adducts with 4-cyanopyridine-N-oxide. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 414-417	5.7	10
15	One-dimensional coordination polymers of whole row rare earth tris-pivalates. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 258, 876-884	3.3	9
14	Copper(II) Complexes with Aromatic o-Phosphorylated Phenols: Synthesis, Crystal Structures, and X-ray Photoelectron Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 4823-4831	2.3	9
13	Thin Films of Tb(pobz) <sub>3</sub> (Hpobz = 2-phenoxybenzoic acid): Reactive CVD and Optical Properties. <i>ECS Transactions</i> , <b>2009</b> , 25, 1107-1114	1	9
12	Synthesis, crystal structure and magnetic properties of dinuclear manganese(II) diketonate with cyanopyridine-N-oxide bridging ligands [Mn(hfac)2(4-cpyNO)] <sub>2</sub> . <i>Polyhedron</i> , <b>2004</b> , 23, 879-883	2.7	9
11	Reactive Chemical Vapor Deposition Method as New Approach for Obtaining Electroluminescent Thin Film Materials. <i>Advances in Materials Science and Engineering</i> , <b>2012</b> , 2012, 1-9	1.5	8
10	Surface modified Ln <sub>x</sub> La <sub>1-x</sub> F <sub>3</sub> (Ln = Dy, Yb) nanoparticles: Toward bright NIR luminescence. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 890-897	4.6	8
9	Structural diversity of volatile mixed ligand complexes of alkaline earth element hexafluoroacetylacetonates with triglyme and related polyglymes. <i>Polyhedron</i> , <b>2017</b> , 134, 246-256	2.7	7
8	Novel mononuclear mixed ligand Ce(III) pivalate with protonated cationic form of monoethanolamine as ancillary ligand. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 180-183	3.1	7
7	Low temperature phase transitions as a representation of structural flexibility of alkaline earth mixed ligand $\beta$ -diketonates. <i>Polyhedron</i> , <b>2011</b> , 30, 599-605	2.7	7
6	The Heterotrimetallic Complex [Ni(acacen)KLa(pta) <sub>4</sub> ]: Structural and Thermochemical Studies. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 701-706	2.3	6
5	Low-temperature MOCVD of Epitaxial CaF <sub>2</sub> and SrF <sub>2</sub> Films. <i>ECS Transactions</i> , <b>2009</b> , 25, 525-532	1	5
4	Two-diode organic light amplifiers/converters and peculiarities of photocurrent multiplication. <i>Synthetic Metals</i> , <b>2006</b> , 156, 624-632	3.6	4
3	Direct laser desorption/ionization mass spectrometry characterization of some aromatic lanthanide carboxylates. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 410-413	5.7	2
2	The topography of organic light-emitting diode-component functional layers as studied by atomic force microscopy. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 155-157	1.9	2
1	Synthesis, characterization and luminescence properties of europium(III) and terbium(III) complexes with 2-pyrazinecarboxylic acid. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 374, 293-297	5.7	

