V V Utochnikova

List of Publications by Citations

65 papers	936 citations	19 h-index	27 g-index
66 ext. papers	1,107 ext. citations	3.8 avg, IF	4.41 L-index

#	Paper	IF	Citations
65	Photoluminescence of lanthanide aromatic carboxylates. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2016**, 42, 679-694	1.6	53
64	From Isolated Anions to Polymer Structures through Linking with I: Synthesis, Structure, and Properties of Two Complex Bismuth(III) Iodine Iodides. *Inorganic Chemistry*, **2018**, 57, 4077-4087	5.1	48
63	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
62	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
61	"Isolated" DyO Embedded in a Ceramic Apatite Matrix Featuring Single-Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. *Angewandte Chemie - International Edition*, **2017**, 56, 13416-13420	16.4	41
60	Lanthanide complexes with aromatic o-phosphorylated ligands: synthesis, structure elucidation and photophysical properties. *Dalton Transactions*, **2014**, 43, 3121-36	4.3	36
59	Lanthanide Complexes with 2-(Tosylamino)-benzylidene-N-(aryloyl)hydrazones: Universal Luminescent Materials. *Chemistry of Materials*, **2019**, 31, 759-773	9.6	34
58	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. *Organic Electronics*, **2017**, 44, 85-93	3.5	30
57	Lanthanide complexes with 2-(tosylamino)benzylidene-N-benzoylhydrazone, which exhibit high NIR emission. *Dalton Transactions*, **2015**, 44, 12660-9	4.3	30
56	Unusual Luminescence Properties of Heterometallic REE Terephthalates. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1660-1664	2.3	28
55	Remarkable high efficiency of red emitters using Eu(iii) ternary complexes. *Chemical Communications*, **2018**, 54, 5221-5224	5.8	28
54	Lanthanide pyrazolecarboxylates for OLEDs and bioimaging. *Journal of Luminescence*, **2018**, 202, 38-46	3.8	24
53	Mixed-ligand terbium hydroxyaromatic carboxylates with o-phenanthroline: luminescence quenching at 300 and 77K. *Mendeleev Communications*, **2014**, 24, 91-93	1.9	22
52	Luminescence Enhancement by p-Substituent Variation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 107-114	2.3	22
51	Brightly luminescent lanthanide pyrazolecarboxylates: Synthesis, luminescent properties and influence of ligand isomerism. *Journal of Luminescence*, **2019**, 205, 429-439	3.8	21
50	On the design of new europium heteroaromatic carboxylates for OLED application. *Dyes and Pigments*, **2019**, 170, 107604	4.6	20
49	OLED thin film fabrication from poorly soluble terbium o -phenoxybenzoate through soluble mixed-ligand complexes. *Organic Electronics*, **2016**, 28, 319-329	3.5	20

48	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
47	Lanthanide Fluorobenzoates as Bio-Probes: a Quest for the Optimal Ligand Fluorination Degree. *Chemistry - A European Journal*, **2017**, 23, 14944-14953	4.8	20
46	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
45	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
44	The peculiarities of complex formation and energy transfer processes in lanthanide complexes with 2-(tosylamino)-benzylidene-N-benzoylhydrazone. *Dalton Transactions*, **2018**, 47, 4524-4533	4.3	18
43	Terbium-europium fluorides surface modified with benzoate and terephthalate anions for temperature sensing: Does sensitivity depend on the ligand?. *Journal of Luminescence*, **2018**, 201, 500-508	3.8	17
42	New approach to deposition of thin luminescent films of lanthanide aromatic carboxylates. *Inorganic Chemistry Communication*, **2012**, 16, 4-7	3.1	17
41	Novel terbium luminescent complexes with o-phosphorylated phenolate ligands. *Inorganic Chemistry Communication*, **2012**, 20, 73-76	3.1	17
40	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
39	Europium 2-benzofuranoate: Synthesis and use for bioimaging. *Optical Materials*, **2017**, 74, 191-196	3.3	14
38	Lanthanide Tetrafluoroterephthalates for Luminescent Ink-Jet Printing. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5635-5639	2.3	14
37	Reactive chemical vapour deposition (RCVD) of non-volatile terbium aromatic carboxylate thin films. *Journal of Materials Chemistry*, **2012**, 22, 4897		14
36	On the development of a new approach to the design of lanthanide-based materials for solution-processed OLEDs. *Dalton Transactions*, **2019**, 48, 17298-17309	4.3	14
35	On the Structural Features of Substituted Lanthanide Benzoates. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2320-2332	2.3	12
34	Gas-phase synthesis of lanthanide(III) benzoates Ln(Bz)3 (Ln = La, Tb, Lu). *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2007**, 33, 454-457	1.6	12
33	Gas-phase synthesis of terbium and lutetium carboxylates. *Russian Journal of Inorganic Chemistry*, **2008**, 53, 1878-1884	1.5	12
32	Various Structural Design Modifications: -Substituted Diphenylphosphinopyridine Bridged Cu(I) Complexes in Organic Light-Emitting Diodes. *Inorganic Chemistry*, **2021**, 60, 2315-2332	5.1	12
31	Rare-Earth Complexes with the 5,5?-Bitetrazolate Ligand: Synthesis, Structure, Luminescence Properties, and Combustion Catalysis. *European Journal of Inorganic Chemistry*, **2018**, 2018, 805-815	2.3	10

30	Lanthanide heterometallic terephthalates: Concentration quenching and the principles of the multiphotonic emission. *Optical Materials*, **2017**, 74, 201-208	3.3	9
29	NIR emitting terephthalates (Sm Dy Gd1--)2(tph)3(H2O)4 for luminescence thermometry in the physiological range. *Journal of Rare Earths*, **2020**, 38, 492-497	3.7	9
28	New rare-earth metal acyl pyrazolonates: Synthesis, crystals structures, and luminescence properties. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2014**, 40, 627-633	1.6	9
27	Thin Films of Tb(pobz)3 (Hpobz = 2-phenoxybenzoic acid): Reactive CVD and Optical Properties. *ECS Transactions*, **2009**, 25, 1107-1114	1	9
26	TbO in a calcium apatite matrix featuring a triple trigger-type relaxation of magnetization. *Dalton Transactions*, **2019**, 48, 5299-5307	4.3	8
25	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
24	Surface modified LnxLa1-xF3 (Ln = Dy, Yb) nanoparticles: Toward bright NIR luminescence. *Dyes and Pigments*, **2019**, 160, 890-897	4.6	8
23	Isolated DyO+ Embedded in a Ceramic Apatite Matrix Featuring Single-Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. *Angewandte Chemie*, **2017**, 129, 13601-13605	3.6	6
22	Sensing of HO in DO: is there an easy way?. *Analyst, The*, **2020**, 145, 759-763	5	5
21	Solution and gas-phase synthesis of the heteroligand yttrium complex with dipivaloylmethane and bis(salicylidene)ethylenediamine Y(dpm)(salen). *Moscow University Chemistry Bulletin*, **2007**, 62, 226-229	0.5	4
20	Highly NIR-emitting ytterbium complexes containing 2-(tosylaminobenzylidene)-N-benzoylhydrazone anions: structure in solution and use for bioimaging. *Dalton Transactions*, **2021**, 50, 3786-3791	4.3	4
19	Eu(tta)DPPZ-based organic light-emitting diodes: spin-coating . vacuum-deposition. *Dalton Transactions*, **2021**, 50, 9685-9689	4.3	4
18	Ytterbium complexes with 2-tosylamino-4-bromobenzylidene-halogenbenzoyhydrazones for highly NIR emitting solution-processed OLEDs. *Journal of Luminescence*, **2022**, 244, 118702	3.8	3
17	EXAFS characterisation of metal bonding in highly luminescent, UV stable, water-soluble and biocompatible lanthanide complexes. *Journal of Physics: Conference Series*, **2016**, 712, 012137	0.3	3
16	Superhydrophobic and luminescent highly porous nanostructured alumina monoliths modified with tris(8-hydroxyquinolinato)aluminium. *Microporous and Mesoporous Materials*, **2020**, 293, 109804	5.3	3
15	Ytterbium and Europium Complexes with Naphtho[1,2]thiazole-2-carboxylic and Naphtho[2,1]thiazole-2-carboxylic Acid Anions for Organic Light-Emitting Diodes (OLED). *Russian Journal of Inorganic Chemistry*, **2021**, 66, 170-178	1.5	3
14	Towards efficient terbium-based solution-processed OLEDs: Hole mobility increase by the ligand design. *Journal of Alloys and Compounds*, **2021**, 887, 161319	5.7	3
13	Identifying lifetime as one of the key parameters responsible for the low brightness of lanthanide-based OLEDs. *Dalton Transactions*, **2021**, 50, 12806-12813	4.3	3

List of Publications

12	New approach to increase the sensitivity of Tb-Eu-based luminescent thermometer. *Physical Chemistry Chemical Physics*, **2020**, 22, 25450-25454	3.6	2
11	Ytterbium complexes with 2-(tosylamino)-benzylidene-N-(2-halobenzoyl)-hydrazones for solution-processable NIR OLEDs. *Journal of Materials Chemistry C*, **2022**, 10, 1371-1380	7.1	2
10	How does the ligand affect the sensitivity of the luminescent thermometers based on Tb-Eu complexes. *Dalton Transactions*, **2020**, 49, 12156-12160	4.3	2
9	Terbium and europium aromatic carboxylates in the polystyrene matrix: The first metal-organic-based material for high-temperature thermometry. *Journal of Luminescence*, **2021**, 239, 118400	3.8	2
8	Dual vis-NIR emissive bimetallic naphthoates of Eu-Yb-Gd: a new approach toward Yb luminescence intensity increase through Eu -lYb energy transfer. *Physical Chemistry Chemical Physics*, **2021**, 23, 7213-7219	3.6	2
7	Lanthanide complexes as OLED emitters. *Fundamental Theories of Physics*, **2021**, 59, 1-91	0.8	1
6	Eu-doped cholesteric mixtures with a highly thermosensitive circular polarization of luminescence. *Journal of Molecular Liquids*, **2021**, 341, 117431	6	1
5	Record efficiency of 1000 nm electroluminescence from a solution-processable host-free OLED.. *Dalton Transactions*, **2022**, 51, 3833-3838	4.3	0
4	Europium complexes with dinitropyrazole: unusual luminescence thermal behavior and irreversible temperature sensing. *Physical Chemistry Chemical Physics*, **2021**, 23, 25480-25484	3.6	0
3	Novel ytterbium Schiff base complex: Toward efficient solution-processed NIR-emitting OLED. *Organic Electronics*, **2022**, 105, 106492	3.5	0
2	Front Cover: Lanthanide Tetrafluoroterephthalates for Luminescent Ink-Jet Printing (Eur. J. Inorg. Chem. 48/2017). *European Journal of Inorganic Chemistry*, **2017**, 2017, 5629-5629	2.3	
1	Lanthanide Tetrafluoroterephthalates for Luminescent Ink-Jet Printing. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5630-5630	2.3	