

Eva Hemmer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6808213/eva-hemmer-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

48
papers

1,633
citations

17
h-index

40
g-index

52
ext. papers

1,915
ext. citations

5.6
avg, IF

5.01
L-index

#	Paper	IF	Citations
48	Luminescence thermometry using sprayed films of metal complexes. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1767-1775	7.1	0
47	Metabolic Consequences of Developmental Exposure to Polystyrene Nanoplastics, the Flame Retardant BDE-47 and Their Combination in Zebrafish.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 822111	5.6	0
46	Trends in hyperspectral imaging: from environmental and health sensing to structure-property and nano-bio interaction studies.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
45	Phytoglycogen Encapsulation of Lanthanide-Based Nanoparticles as an Optical Imaging Platform with Therapeutic Potential.. <i>Small</i> , 2022 , e2107130	11	0
44	Microwave-assisted synthesis of NaMnF particles with tuneable morphologies. <i>Chemical Communications</i> , 2021 , 57, 11799-11802	5.8	0
43	Hyperspectral Imaging and Optical Trapping: Complementary Tools for Assessing Direction-Dependent Polarized Emission from Single Upconverting LiYF ₄ :Yb ³⁺ /Er ³⁺ Microparticles. <i>Advanced Optical Materials</i> , 2021 , 9, 2100101	8.1	9
42	Magic-sized CdSe nanoclusters: a review on synthesis, properties and white light potential. <i>Materials Advances</i> , 2021 , 2, 1204-1228	3.3	12
41	Fast, Low-Cost Synthesis of ZnO:Eu Nanosponges and the Nature of Ln Doping in ZnO. <i>Inorganic Chemistry</i> , 2020 , 59, 7584-7602	5.1	9
40	Hyperspectral Imaging as a Tool to Study Optical Anisotropy in Lanthanide-Based Molecular Single Crystals. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	3
39	Effect of light scattering on upconversion photoluminescence quantum yield in microscale-to-nanoscale materials. <i>Optics Express</i> , 2020 , 28, 22803-22818	3.3	7
38	Water dispersible ligand-free rare earth fluoride nanoparticles: water transfer NaREF-to-REF phase transformation. <i>Dalton Transactions</i> , 2020 , 49, 16204-16216	4.3	8
37	Triplet-State Position and Crystal-Field Tuning in Opto-Magnetic Lanthanide Complexes: Two Sides of the Same Coin. <i>Chemistry - A European Journal</i> , 2019 , 25, 14625-14637	4.8	17
36	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019 , 10, 6799-6808	9.4	51
35	A Luminescent Thermometer Exhibiting Slow Relaxation of the Magnetization: Toward Self-Monitored Building Blocks for Next-Generation Optomagnetic Devices. <i>ACS Central Science</i> , 2019 , 5, 1187-1198	16.8	61
34	Cubic versus hexagonal - effect of host crystallinity on the T shortening behaviour of NaGdF nanoparticles. <i>Nanoscale</i> , 2019 , 11, 6794-6801	7.7	22
33	Europium-doped ZnO nanosponges ¶ontrolling optical properties and photocatalytic activity. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3909-3919	7.1	20
32	Pick your precursor! Tailoring the size and crystal phase of microwave-synthesized sub-10 nm upconverting nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15364-15374	7.1	15

31	Harnessing the Synergy between Upconverting Nanoparticles and Lanthanide Complexes in a Multiwavelength-Responsive Hybrid System. <i>ACS Photonics</i> , 2019 , 6, 436-445	6.3	10
30	Probing Optical Anisotropy and Polymorph-Dependent Photoluminescence in [Ln ³⁺] Complexes by Hyperspectral Imaging on Single Crystals. <i>Chemistry - A European Journal</i> , 2018 , 24, 10146	4.8	10
29	Microwave-Assisted Solvothermal Synthesis of Upconverting and Downshifting Rare-Earth-Doped LiYF ₄ Microparticles. <i>Inorganic Chemistry</i> , 2018 , 57, 14920-14929	5.1	14
28	Double rare-earth nanothermometer in aqueous media: opening the third optical transparency window to temperature sensing. <i>Nanoscale</i> , 2017 , 9, 3079-3085	7.7	114
27	Covering the optical spectrum through collective rare-earth doping of NaGdF ₄ nanoparticles: 806 and 980 nm excitation routes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11825-11834	3.6	30
26	Optical nanoprobe for biomedical applications: shining a light on upconverting and near-infrared emitting nanoparticles for imaging, thermal sensing, and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4365-4392	7.3	139
25	Self-assembled photoadditives in polyester films allow stop and go chemical release. <i>Acta Biomaterialia</i> , 2017 , 54, 186-200	10.8	10
24	Core or Shell? Er ³⁺ FRET Donors in Upconversion Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5186-5195	2.3	33
23	Cover Feature: Core or Shell? Er ³⁺ FRET Donors in Upconversion Nanoparticles (Eur. J. Inorg. Chem. 44/2017). <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5054-5054	2.3	
22	Exploiting the biological windows: current perspectives on fluorescent bioprobes emitting above 1000 nm. <i>Nanoscale Horizons</i> , 2016 , 1, 168-184	10.8	387
21	Multifunctional Liposome Nanocarriers Combining Upconverting Nanoparticles and Anticancer Drugs. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4992-5001	3.4	49
20	11 Nanothermometry Using Upconverting Nanoparticles. <i>Nanomaterials and Their Applications</i> , 2016 , 319-358		
19	Templating Influence of Molecular Precursors on Pr(OH) ₃ Nanostructures. <i>Inorganic Chemistry</i> , 2015 , 54, 6267-80	5.1	13
18	Temperature-Induced Energy Transfer in Dye-Conjugated Upconverting Nanoparticles: A New Candidate for Nanothermometry. <i>Chemistry of Materials</i> , 2015 , 27, 235-244	9.6	76
17	Lanthanide-based nanostructures for optical bioimaging: Small particles with large promise. <i>MRS Bulletin</i> , 2014 , 39, 960-964	3.2	14
16	Upconverting and NIR emitting rare earth based nanostructures for NIR-bioimaging. <i>Nanoscale</i> , 2013 , 5, 11339-61	7.7	226
15	Cytotoxic aspects of gadolinium oxide nanostructures for up-conversion and NIR bioimaging. <i>Acta Biomaterialia</i> , 2013 , 9, 4734-43	10.8	57
14	Er ³⁺ -Doped Y ₂ O ₃ Nanophosphors for Near-Infrared Fluorescence Bioimaging Applications. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2759-2765	3.8	38

13	In vitro and in vivo investigations of upconversion and NIR emitting Gd ³⁺ /Er ³⁺ /Yb ³⁺ nanostructures for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 2399-412	4.5	32
12	Synthesis and toxicity assay of ceramic nanophosphors for bioimaging with near-infrared excitation. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2012 , 58, 121-134	3.5	15
11	Nanostructured ZrO ₂ membranes prepared by liquid-injection chemical vapor deposition. <i>Microporous and Mesoporous Materials</i> , 2012 , 163, 229-236	5.3	7
10	The Role of pH in PEG-b-PAAc Modification of Gadolinium Oxide Nanostructures for Biomedical Applications. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-15	1.5	7
9	Application of Ceramic/Polymer Conjugate Materials for Near Infrared Biophotonics. <i>Journal of Photopolymer Science and Technology = [Fotopolimeri Konwakai Shi]</i> , 2012 , 25, 57-62	0.7	12
8	Homo- and Heterometallic Terbium Alkoxides Synthesis, Characterization and Conversion to Luminescent Oxide Nanostructures. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2148-2157	2.3	14
7	Influence of the Host Phase on the Vibrational Spectra of Europium-Doped Zirconia Prepared by Hydrothermal Processing. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3873-3879	3.8	13
6	Gadolinium-containing inorganic nanostructures for biomedical applications: Cytotoxic aspects 2010 ,		3
5	Probing cytotoxicity of gadolinium hydroxide nanostructures. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4358-65	3.4	20
4	Solvothermal Synthesis of Gadolinium Hydroxide and Oxide Powders and Their Potential for Biomedical Applications. <i>Ceramic Transactions</i> , 2010 , 27-37	0.1	1
3	Influence of Precursor Design on the Growth of Nanomaterials. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 848, 85		1
2	Chemical Vapor Deposition of MgAl ₂ O ₄ Thin Films Using Different MgAl Alkoxides: Role of Precursor Chemistry. <i>Chemistry of Materials</i> , 2004 , 16, 1304-1312	9.6	52
1	Microporous ZrO ₂ Membrane Preparation by Liquid-Injection MOCVD	165-173	