

# Riccardo Marin

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,726  
citations

236612

25  
h-index

276539

41  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1728-1746.	7.2	183
2	Double rare-earth nanothermometer in aqueous media: opening the third optical transparency window to temperature sensing. <i>Nanoscale</i> , 2017, 9, 3079-3085.	2.8	145
3	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.	5.3	113
4	Doping Lanthanide Ions in Colloidal Semiconductor Nanocrystals for Brighter Photoluminescence. <i>Chemical Reviews</i> , 2021, 121, 1425-1462.	23.0	94
5	Small and Bright Lithium-Based Upconverting Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018, 140, 12890-12899.	6.6	91
6	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019, 10, 6799-6808.	3.7	83
7	Decoupling Theranostics with Rare Earth Doped Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1807105.	7.8	68
8	Upconverting Nanoparticle to Quantum Dot Förster Resonance Energy Transfer: Increasing the Efficiency through Donor Design. <i>ACS Photonics</i> , 2018, 5, 2261-2270.	3.2	63
9	Highly Efficient Copper Sulfide-Based Near-Infrared Photothermal Agents: Exploring the Limits of Macroscopic Heat Conversion. <i>Small</i> , 2018, 14, e1803282.	5.2	54
10	Tunable Energy-Transfer Process in Heterometallic MOF Materials Based on 2,6-Naphthalenedicarboxylate: Solid-State Lighting and Near-Infrared Luminescence Thermometry. <i>Chemistry of Materials</i> , 2020, 32, 7458-7468.	3.2	54
11	Infrared-Emitting Multimodal Nanostructures for Controlled In Vivo Magnetic Hyperthermia. <i>Advanced Materials</i> , 2021, 33, e2100077.	11.1	51
12	Energy Transfer in Bi- and Er-Codoped $\text{Y}_2\text{O}_3$ Nanocrystals: An Effective System for Rare Earth Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30071-30078.	1.5	43
13	Monitoring the $\text{m} \rightarrow \text{m}'$ Martensitic Phase Transformation by Photoluminescence Emission in $\text{Eu}^{3+}$ -Doped Zirconia Powders. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2628-2635.	1.9	40
14	Energy transfer in color-tunable water-dispersible $\text{Tb}^{3+}$ -Eu codoped $\text{CaF}_2$ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1906-1913.	2.7	40
15	Reliable and Remote Monitoring of Absolute Temperature during Liver Inflammation via Luminescence-Lifetime-Based Nanothermometry. <i>Advanced Materials</i> , 2022, 34, e2107764.	11.1	34
16	Covering the optical spectrum through collective rare-earth doping of $\text{NaGdF}_4$ nanoparticles: 806 and 980 nm excitation routes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11825-11834.	1.3	33
17	<i>Quo Vadis</i> , Nanoparticle-Enabled <i>In Vivo</i> Fluorescence Imaging?. <i>ACS Nano</i> , 2021, 15, 1917-1941.	7.3	33
18	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.	1.7	32

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19	Quantitative Comparison of the Light-to-Heat Conversion Efficiency in Nanomaterials Suitable for Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33555-33566.	4.0	32
20	Behavior of TiO <sub>2</sub> nanoparticles during incineration of solid paint waste: A lab-scale test. <i>Waste Management</i> , 2014, 34, 1897-1907.	3.7	29
21	Cubic versus hexagonal effect of host crystallinity on the $T_{1\rho}$ shortening behaviour of NaGdF <sub>4</sub> nanoparticles. <i>Nanoscale</i> , 2019, 11, 6794-6801.	2.8	28
22	Structural and photophysical properties of rare-earth complexes encapsulated into surface modified mesoporous silica nanoparticles. <i>Dalton Transactions</i> , 2014, 43, 16183-16196.	1.6	27
23	Europium-doped ZnO nanosponges controlling optical properties and photocatalytic activity. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3909-3919.	2.7	27
24	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.	2.7	27
25	Mercaptosilane-Passivated CuInS <sub>2</sub> Quantum Dots for Luminescence Thermometry and Luminescent Labels. <i>ACS Applied Nano Materials</i> , 2019, 2, 2426-2436.	2.4	26
26	Switching to the brighter lane: pathways to boost the absorption of lanthanide-doped nanoparticles. <i>Nanoscale Horizons</i> , 2021, 6, 209-230.	4.1	26
27	Unexpected optical activity of cerium in Y <sub>2</sub> O <sub>3</sub> :Ce <sup>3+</sup> , Yb <sup>3+</sup> , Er <sup>3+</sup> up and down-conversion system. <i>Dalton Transactions</i> , 2013, 42, 16837-16845.	1.6	25
28	Microwave-Assisted Solvothermal Synthesis of Upconverting and Downshifting Rare-Earth-Doped LiYF <sub>4</sub> Microparticles. <i>Inorganic Chemistry</i> , 2018, 57, 14920-14929.	1.9	25
29	Near infrared bioimaging and biosensing with semiconductor and rare-earth nanoparticles: recent developments in multifunctional nanomaterials. <i>Nanoscale Advances</i> , 2021, 3, 6310-6329.	2.2	25
30	Plasmonic Copper Sulfide Nanoparticles Enable Dark Contrast in Optical Coherence Tomography. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901627.	3.9	21
31	Spectral characterization of LiYbF <sub>4</sub> upconverting nanoparticles. <i>Nanoscale</i> , 2020, 12, 17545-17554.	2.8	19
32	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021, 133, 1752-1772.	1.6	18
33	Boosting the Near-Infrared Emission of Ag <sub>2</sub> S Nanoparticles by a Controllable Surface Treatment for Bioimaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4871-4881.	4.0	16
34	Harnessing the Synergy between Upconverting Nanoparticles and Lanthanide Complexes in a Multiwavelength-Responsive Hybrid System. <i>ACS Photonics</i> , 2019, 6, 436-445.	3.2	14
35	A zero-field single-molecule magnet with luminescence thermometry capabilities containing soft donors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13946-13953.	2.7	14
36	Pegylated silica nanoparticles: cytotoxicity and macrophage uptake. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	11

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37	Luminescence thermometry using sprayed films of metal complexes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1767-1775.	2.7	10
38	Investigation of the concentration- and temperature-dependent motion of colloidal nanoparticles. <i>Nanoscale</i> , 2020, 12, 12561-12567.	2.8	7
39	Luminescence Thermometry for Brain Activity Monitoring: A Perspective. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	7
40	Influence of halide ions on the structure and properties of copper indium sulphide quantum dots. <i>Chemical Communications</i> , 2020, 56, 3341-3344.	2.2	6
41	Asymmetric Ring Opening in a Tetrazine-Based Ligand Affords a Tetranuclear Opto-Magnetic Ytterbium Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 2361-2370.	1.7	6
42	In Vivo Near-Infrared Imaging Using Ternary Selenide Semiconductor Nanoparticles with an Uncommon Crystal Structure. <i>Small</i> , 2021, 17, e2103505.	5.2	6
43	Seeded growth of gold nanorods: the effect of sulfur-containing quenching agents. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	4
44	Nanoprobes for Biomedical Imaging with Tunable Near-Infrared Optical Properties Obtained via Green Synthesis. <i>Advanced Photonics Research</i> , 0, , 2100260.	1.7	4
45	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles. <i>ACS Photonics</i> , 2022, 9, 559-566.	3.2	4
46	Determining europium compositional fluctuations in partially stabilized zirconia nanopowders: a non-line-broadening-based method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 29-38.	0.5	3
47	New opportunities for light-based tumor treatment with an "airon fist". <i>Light: Science and Applications</i> , 2022, 11, 65.	7.7	3
48	A novel triphenylamine-based dye sensitizer supported on titania nanoparticles and the effect of titania fabrication on its optical properties. <i>Chemical Papers</i> , 2016, 70, .	1.0	2