

## List of Publications by Citations

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**Version:** 2024-04-09

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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.

23 papers	1,120 citations	15 h-index	24 g-index
24 ext. papers	1,346 ext. citations	6.7 avg, IF	4.82 L-index

#	Paper	IF	Citations
23	Physical unclonable functions generated through chemical methods for anti-counterfeiting. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	219
22	Quenching of the upconversion luminescence of NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> and NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> nanophosphors by water: the role of the sensitizer Yb <sup>3+</sup> in non-radiative relaxation. <i>Nanoscale</i> , <b>2015</b> , 7, 11746-57	7.7	207
21	Photon upconversion sensitized nanoprobe for sensing and imaging of pH. <i>Nanoscale</i> , <b>2014</b> , 6, 6837-43	7.7	110
20	Upconverting phosphors in a dual-parameter LRET-based hybridization assay. <i>Analyst</i> , <b>2009</b> , 134, 1713-6	5	82
19	Ratiometric Sensing and Imaging of Intracellular pH Using Polyethylenimine-Coated Photon Upconversion Nanoprobes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 1501-1508	7.8	79
18	An optical authentication system based on imaging of excitation-selected lanthanide luminescence. <i>Science Advances</i> , <b>2018</b> , 4, e1701384	14.3	79
17	Quantitative multianalyte microarray immunoassay utilizing upconverting phosphor technology. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8628-34	7.8	48
16	Versatile and Validated Optical Authentication System Based on Physical Unclonable Functions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6475-6482	9.5	46
15	Environmental and Excitation Power Effects on the Ratiometric Upconversion Luminescence Based Temperature Sensing Using Nanocrystalline NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> . <i>ChemPhysChem</i> , <b>2017</b> , 18, 692-701	3.2	32
14	Genotyping of clinically relevant human adenoviruses by array-in-well hybridization assay. <i>Clinical Microbiology and Infection</i> , <b>2013</b> , 19, 551-7	9.5	30
13	Homogeneous assay for whole blood folate using photon upconversion. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 1782-8	7.8	28
12	Environmental Impact on the Excitation Path of the Red Upconversion Emission of Nanocrystalline NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> . <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 6924-6929	3.8	26
11	Effects of blood sample anticoagulants on lateral flow assays using luminescent photon-upconverting and Eu(III) nanoparticle reporters. <i>Analytical Biochemistry</i> , <b>2016</b> , 492, 13-20	3.1	25
10	Electronic Energy Levels of Dysprosium(III) ions in Solution. Assigning the Emitting State and the Intraconfigurational 4f-4f Transitions in the Vis-NIR Region and Photophysical Characterization of Dy(III) in Water, Methanol, and Dimethyl Sulfoxide. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 2734-2744	2.8	23
9	Microwave-assisted one-step synthesis of acetate-capped NaYF <sub>4</sub> :Yb/Er upconversion nanocrystals and their application in bioimaging. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 5738-5750	4.3	19
8	Modulation of the Photophysical Properties of 1-Azathioxanthenes by Eu <sup>3+</sup> , Gd <sup>3+</sup> , Tb <sup>3+</sup> , and Yb <sup>3+</sup> Ions in Methanol. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 5246-5253	2.3	14
7	Fluorescence-quenching-based homogeneous caspase-3 activity assay using photon upconversion. <i>Analytica Chimica Acta</i> , <b>2012</b> , 725, 67-73	6.6	14

6	Upconversion Cross-Correlation Spectroscopy of a Sandwich Immunoassay. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9229-9233	4.8	11
5	Investigating dye performance and crosstalk in fluorescence enabled bioimaging using a model system. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188359	3.7	7
4	Luminescence from Lanthanide(III) Ions Bound to the Glycocalyx of Chinese Hamster Ovary Cells. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11885-11889	4.8	7
3	High gradient magnetic separation of upconverting lanthanide nanophosphors based on their intrinsic paramagnetism. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	5
2	Creating infinite contrast in fluorescence microscopy by using lanthanide centered emission. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189529	3.7	5
1	NIR induced modulation of the red emission from erbium ions for selective lanthanide imaging. <i>Methods and Applications in Fluorescence</i> , <b>2018</b> , 6, 044001	3.1	4