

Riikka Arppe

List of Publications by Year in Descending Order

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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	Versatile and Validated Optical Authentication System Based on Physical Unclonable Functions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6475-6482	9.5	46
22	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> , 2019 , 123, 2734-2744	2.8	23
21	An optical authentication system based on imaging of excitation-selected lanthanide luminescence. <i>Science Advances</i> , 2018 , 4, e1701384	14.3	79
20	Luminescence from Lanthanide(III) Ions Bound to the Glycocalyx of Chinese Hamster Ovary Cells. <i>Chemistry - A European Journal</i> , 2018 , 24, 11885-11889	4.8	7
19	Upconversion Cross-Correlation Spectroscopy of a Sandwich Immunoassay. <i>Chemistry - A European Journal</i> , 2018 , 24, 9229-9233	4.8	11
18	NIR induced modulation of the red emission from erbium ions for selective lanthanide imaging. <i>Methods and Applications in Fluorescence</i> , 2018 , 6, 044001	3.1	4
17	Environmental and Excitation Power Effects on the Ratiometric Upconversion Luminescence Based Temperature Sensing Using Nanocrystalline NaYF ₄ :Yb ³⁺ ,Er. <i>ChemPhysChem</i> , 2017 , 18, 692-701	3.2	32
16	Microwave-assisted one-step synthesis of acetate-capped NaYF ₄ :Yb/Er upconversion nanocrystals and their application in bioimaging. <i>Journal of Materials Science</i> , 2017 , 52, 5738-5750	4.3	19
15	Physical unclonable functions generated through chemical methods for anti-counterfeiting. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	219
14	Environmental Impact on the Excitation Path of the Red Upconversion Emission of Nanocrystalline NaYF ₄ :Yb ³⁺ ,Er ³⁺ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6924-6929	3.8	26
13	Ratiometric Sensing and Imaging of Intracellular pH Using Polyethylenimine-Coated Photon Upconversion Nanoprobes. <i>Analytical Chemistry</i> , 2017 , 89, 1501-1508	7.8	79
12	Modulation of the Photophysical Properties of 1-Azathioxanthones by Eu ³⁺ , Gd ³⁺ , Tb ³⁺ , and Yb ³⁺ Ions in Methanol. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5246-5253	2.3	14
11	Investigating dye performance and crosstalk in fluorescence enabled bioimaging using a model system. <i>PLoS ONE</i> , 2017 , 12, e0188359	3.7	7
10	Creating infinite contrast in fluorescence microscopy by using lanthanide centered emission. <i>PLoS ONE</i> , 2017 , 12, e0189529	3.7	5
9	Effects of blood sample anticoagulants on lateral flow assays using luminescent photon-upconverting and Eu(III) nanoparticle reporters. <i>Analytical Biochemistry</i> , 2016 , 492, 13-20	3.1	25
8	Quenching of the upconversion luminescence of NaYF ₄ :Yb ³⁺ ,Er ³⁺ and NaYF ₄ :Yb ³⁺ ,Tm ³⁺ nanophosphors by water: the role of the sensitizer Yb ³⁺ in non-radiative relaxation. <i>Nanoscale</i> , 2015 , 7, 11746-57	7.7	207
7	Homogeneous assay for whole blood folate using photon upconversion. <i>Analytical Chemistry</i> , 2015 , 87, 1782-8	7.8	28

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6	Photon upconversion sensitized nanoprobes for sensing and imaging of pH. <i>Nanoscale</i> , 2014 , 6, 6837-437.7	110
5	High gradient magnetic separation of upconverting lanthanide nanophosphors based on their intrinsic paramagnetism. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3 5
4	Genotyping of clinically relevant human adenoviruses by array-in-well hybridization assay. <i>Clinical Microbiology and Infection</i> , 2013 , 19, 551-7	9.5 30
3	Quantitative multianalyte microarray immunoassay utilizing upconverting phosphor technology. <i>Analytical Chemistry</i> , 2012 , 84, 8628-34	7.8 48
2	Fluorescence-quenching-based homogeneous caspase-3 activity assay using photon upconversion. <i>Analytica Chimica Acta</i> , 2012 , 725, 67-73	6.6 14
1	Upconverting phosphors in a dual-parameter LRET-based hybridization assay. <i>Analyst, The</i> , 2009 , 134, 1713-6	5 82