

Satu Lahtinen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Disintegration of Hexagonal NaYF ₄ :Yb ³⁺ ,Er ³⁺ Upconverting Nanoparticles in Aqueous Media: The Role of Fluoride in Solubility Equilibrium. <i>Journal of Physical Chemistry C</i> , 2017, 121, 656-665.	3.1	73
2	Photon Upconversion in a Molecular Lanthanide Complex in Anhydrous Solution at Room Temperature. <i>ACS Photonics</i> , 2014, 1, 394-397.	6.6	58
3	Large-Scale Purification of Photon-Upconversion Nanoparticles by Gel Electrophoresis for Analogue and Digital Bioassays. <i>Analytical Chemistry</i> , 2019, 91, 1241-1246.	6.5	28
4	Long-Lifetime Luminescent Europium(III) Complex as an Acceptor in an Upconversion Resonance Energy Transfer Based Homogeneous Assay. <i>Analytical Chemistry</i> , 2016, 88, 653-658.	6.5	27
5	Engineering the Compositional Architecture of Core-Shell Upconverting Lanthanide-Doped Nanoparticles for Optimal Luminescent Donor in Resonance Energy Transfer: The Effects of Energy Migration and Storage. <i>Small</i> , 2022, 18, e2200464.	10.0	25
6	Effective Shielding of NaYF ₄ :Yb ³⁺ ,Er ³⁺ Upconverting Nanoparticles in Aqueous Environments Using Layer-by-Layer Assembly. <i>Langmuir</i> , 2018, 34, 7759-7766.	3.5	24
7	Improving the sensitivity of immunoassays by reducing non-specific binding of poly(acrylic acid) coated upconverting nanoparticles by adding free poly(acrylic acid). <i>Mikrochimica Acta</i> , 2018, 185, 220.	5.0	20
8	Photochemical Ligation to Ultrasensitive DNA Detection with Upconverting Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 13385-13392.	6.5	18
9	Thulium- and Erbium-Doped Nanoparticles with Poly(acrylic acid) Coating for Upconversion Cross-Correlation Spectroscopy-based Sandwich Immunoassays in Plasma. <i>ACS Applied Nano Materials</i> , 2021, 4, 432-440.	5.0	17
10	Upconversion Cross-Correlation Spectroscopy of a Sandwich Immunoassay. <i>Chemistry - A European Journal</i> , 2018, 24, 9229-9233.	3.3	15
11	Rapid homogeneous immunoassay for cardiac troponin I using switchable lanthanide luminescence. <i>Biosensors and Bioelectronics</i> , 2014, 62, 201-207.	10.1	13
12	Supersensitive photon upconversion based immunoassay for detection of cardiac troponin I in human plasma. <i>Clinica Chimica Acta</i> , 2021, 523, 380-385.	1.1	11
13	Lanthanide-based bulky counterions against aggregation-caused quenching of dyes in fluorescent polymeric nanoparticles. <i>Aggregate</i> , 2022, 3, e130.	9.9	10
14	Frequency Encoding of Upconversion Nanoparticle Emission for Multiplexed Imaging of Spectrally and Spatially Overlapping Lanthanide Ions. <i>Journal of the American Chemical Society</i> , 2021, 143, 19399-19405.	13.7	9
15	Lanthanide-Doped Nanoparticles for Stimulated Emission Depletion Nanoscopy. <i>ACS Applied Nano Materials</i> , 2019, 2, 5817-5823.	5.0	8
16	Array-in-well serodiagnostic assay utilizing upconverting phosphor label technology. <i>Journal of Virological Methods</i> , 2015, 222, 224-230.	2.1	7
17	High gradient magnetic separation of upconverting lanthanide nanophosphors based on their intrinsic paramagnetism. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	6
18	Complement C1q in plasma induces nonspecific binding of poly(acrylic acid)-coated upconverting nanoparticle antibody conjugates. <i>Analytical and Bioanalytical Chemistry</i> , 2022, , 1.	3.7	0