

Zayakhuu Gerelkhuu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Selective optosensing of iron(III) ions in HeLa cells using NaYF ₄ :Yb ³⁺ /Tm ³⁺ upconversion nanoparticles coated with polyepinephrine. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1363-1371.	3.7	10
2	Stochastic Electrochemical Cytometry of Human Platelets via a Particle Collision Approach. <i>ACS Sensors</i> , 2019, 4, 3248-3256.	7.8	9
3	Fluorescence Optosensing of Triclosan by Upconversion Nanoparticles with Potassium Permanganate. <i>ACS Omega</i> , 2019, 4, 7931-7937.	3.5	7
4	Highly selective and sensitive detection of catecholamines using NaLuGdF ₄ :Yb ³⁺ /Er ³⁺ upconversion nanoparticles decorated with metal ions. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 172-178.	7.8	28
5	Rare-earth free sensitizer in NaLuCrF ₄ :Er upconversion material. <i>Journal of Rare Earths</i> , 2019, 37, 345-349.	4.8	5
6	One-step synthesis of NaLu ₈₀ Gd _x F ₄ :Yb ³⁺ /Er ³⁺ (Tm ³⁺) upconversion nanoparticles for in vitro cell imaging. <i>Materials Science and Engineering C</i> , 2018, 86, 56-61.	7.3	19
7	Naturally modified nonionic alginate functionalized upconversion nanoparticles for the highly efficient targeted pH-responsive drug delivery and enhancement of NIR-imaging. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 424-435.	5.8	39
8	Influence of Cr ³⁺ on upconversion luminescent and magnetic properties of NaLu _{0.86-x} Gd _{0.12} F ₄ :Cr ³⁺ /Er _{0.023} (0 ≤ x ≤ 0.24) material. <i>Journal of Luminescence</i> , 2017, 187, 40-45.	3.1	20
9	Enhanced light harvesting with chromium in NaLu _{0.70} Gd _{0.10} F ₄ :Yb _{0.18} Er _{0.02} Cr _x (0 ≤ x ≤ 0.25) upconversion system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 223, 91-97.	3.5	20
10	Phospholipase A2-Responsive Phosphate Micelle-Loaded UCNPs for Bioimaging of Prostate Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 16073.	3.3	39
11	Recent advances in luminescence properties of lanthanide-doped up-conversion nanocrystals and applications for bio-imaging, drug delivery, and optosensing. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 678-705.	6.7	49