Mengistie L Debasu

List of Publications by Year
in descending order

17 papers	1,302 citations	686830 13 h-index	887659 17 g-index
18 all docs	18 docs citations	18 times ranked	1651 citing authors

#	Article	IF	Citations
1	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. Nature Nanotechnology, 2016, 11, 851-856.	15.6	292
2	Allâ€Inâ€One Optical Heaterâ€Thermometer Nanoplatform Operative From 300 to 2000 K Based on Er³⁺ Emission and Blackbody Radiation. Advanced Materials, 2013, 25, 4868-4874.	11.1	264
3	Boosting the sensitivity of Nd³⁺-based luminescent nanothermometers. Nanoscale, 2015, 7, 17261-17267.	2.8	213
4	Upconverting Nanoparticles Working As Primary Thermometers In Different Media. Journal of Physical Chemistry C, 2017, 121, 13962-13968.	1.5	181
5	Emission-Decay Curves, Energy-Transfer and Effective-Refractive Index in Gd₂O₃:Eu³⁺ Nanorods. Journal of Physical Chemistry C, 2011, 115, 15297-15303.	1.5	62
6	(Gd,Yb,Tb)PO4 up-conversion nanocrystals for bimodal luminescenceâ€“MR imaging. Nanoscale, 2012, 4, 5154.	2.8	49
7	Energy-transfer from Gd(iii) to Tb(iii) in (Gd,Yb,Tb)PO4 nanocrystals. Physical Chemistry Chemical Physics, 2013, 15, 15565.	1.3	43
8	Implementing luminescence thermometry at 1.3 Î¼m using (GdNd)2O3 nanoparticles. Journal of Luminescence, 2016, 180, 25-30.	1.5	43
9	Nanoplatforms for Plasmonâ€Induced Heating and Thermometry. ChemNanoMat, 2016, 2, 520-527.	1.5	33
10	The role of Li⁺ in the upconversion emission enhancement of (YYbEr)₂O₃ nanoparticles. Nanoscale, 2018, 10, 15799-15808.	2.8	29
11	A cost-effective quantum yield measurement setup for upconverting nanoparticles. Journal of Luminescence, 2017, 189, 64-70.	1.5	27
12	Colloidal (Gd0.98Nd0.02)2O3 nanothermometers operating in a cell culture medium within the first and second biological windows. Journal of Rare Earths, 2020, 38, 483-491.	2.5	14
13	Radiation-to-heat conversion efficiency in SrF2:Yb3+/Er3+ upconverting nanoparticles. Optical Materials, 2018, 83, 1-6.	1.7	13
14	Decoding a Percolation Phase Transition of Water at âˆ¼330 K with a Nanoparticle Ruler. Journal of Physical Chemistry Letters, 2020, 11, 6704-6711.	2.1	13
15	Photoluminescent Epoxy/Gd₂O₃:Eu³⁺ UVâ€cured Nanocomposites. Macromolecular Materials and Engineering, 2013, 298, 181-189.	1.7	8
16	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. Physica B: Condensed Matter, 2022, 626, 413470.	1.3	5
17	Upconverting nanoparticles working as primary thermometers in different media. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C495-C495.	0.0	0