

Mengistie L Debasu

List of Publications by Year in descending order

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17
papers

1,302
citations

686830

13
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887659

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docs citations

18
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. <i>Physica B: Condensed Matter</i> , 2022, 626, 413470.	1.3	5
2	Colloidal (Gd _{0.98} Nd _{0.02}) ₂ O ₃ nanothermometers operating in a cell culture medium within the first and second biological windows. <i>Journal of Rare Earths</i> , 2020, 38, 483-491.	2.5	14
3	Decoding a Percolation Phase Transition of Water at $\hat{\sim}1/4$ 330 K with a Nanoparticle Ruler. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6704-6711.	2.1	13
4	The role of Li ⁺ in the upconversion emission enhancement of (YbEr) ₂ O ₃ nanoparticles. <i>Nanoscale</i> , 2018, 10, 15799-15808.	2.8	29
5	Radiation-to-heat conversion efficiency in SrF ₂ :Yb ³⁺ /Er ³⁺ upconverting nanoparticles. <i>Optical Materials</i> , 2018, 83, 1-6.	1.7	13
6	Upconverting Nanoparticles Working As Primary Thermometers In Different Media. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13962-13968.	1.5	181
7	A cost-effective quantum yield measurement setup for upconverting nanoparticles. <i>Journal of Luminescence</i> , 2017, 189, 64-70.	1.5	27
8	Upconverting nanoparticles working as primary thermometers in different media. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C495-C495.	0.0	0
9	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. <i>Nature Nanotechnology</i> , 2016, 11, 851-856.	15.6	292
10	Nanoplatforms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , 2016, 2, 520-527.	1.5	33
11	Implementing luminescence thermometry at 1.3 $\hat{\sim}1/4$ m using (GdNd) ₂ O ₃ nanoparticles. <i>Journal of Luminescence</i> , 2016, 180, 25-30.	1.5	43
12	Boosting the sensitivity of Nd ³⁺ -based luminescent nanothermometers. <i>Nanoscale</i> , 2015, 7, 17261-17267.	2.8	213
13	Photoluminescent Epoxy/Gd ₂ O ₃ :Eu ³⁺ UV-cured Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 181-189.	1.7	8
14	Energy-transfer from Gd(III) to Tb(III) in (Gd,Yb,Tb)PO ₄ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15565.	1.3	43
15	All-in-One Optical Heater-Thermometer Nanoplatform Operative From 300 to 2000 K Based on Er ³⁺ Emission and Blackbody Radiation. <i>Advanced Materials</i> , 2013, 25, 4868-4874.	11.1	264
16	(Gd,Yb,Tb)PO ₄ up-conversion nanocrystals for bimodal luminescence-MR imaging. <i>Nanoscale</i> , 2012, 4, 5154.	2.8	49
17	Emission-Decay Curves, Energy-Transfer and Effective-Refractive Index in Gd ₂ O ₃ :Eu ³⁺ Nanorods. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15297-15303.	1.5	62