

Baosheng Cao

List of Publications by Year in descending order

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29
papers

1,503
citations

623188

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525886

27
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30
all docs

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docs citations

30
times ranked

1563
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy transfer mechanism and new ratiometric thermometry strategy by the blue and yellow emissions of Dy. <i>Ceramics International</i> , 2022, 48, 29838-29846.	2.3	7
2	Thermal-enhanced near-infrared upconversion luminescence of Er ³⁺ for high-sensitive optical temperature sensing. <i>Journal of Luminescence</i> , 2021, 236, 118153.	1.5	16
3	Wide-range and highly-sensitive optical thermometers based on the temperature-dependent energy transfer from Er to Nd in Er/Yb/Nd codoped NaYF ₄ upconversion nanocrystals. <i>Chemical Engineering Journal</i> , 2020, 385, 123906.	6.6	91
4	Dual LSPR of Au/W ₁₈ O ₄₉ heterostructures for upconversion enhancement and application of molecular detection. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4040-4048.	5.2	25
5	Energy transfer from Er to Nd ions by the thermal effect and promotion of the photocatalysis of the NaYF ₄ :Yb,Er,Nd/W ₁₈ O ₄₉ heterostructure. <i>Nanoscale</i> , 2019, 11, 7433-7439.	2.8	38
6	Strong up-conversion luminescence of rare-earth doped oxide films enhanced by gap modes on ZnO nanowires. <i>Nanoscale</i> , 2018, 10, 726-732.	2.8	11
7	Morphology and upconversion properties of rare-earth-doped MoO ₃ jellyfish-like plate microarchitecture. <i>Materials Letters</i> , 2018, 213, 4-6.	1.3	5
8	Near-Infrared Plasmonic Energy Upconversion in a Nonmetallic Heterostructure for Efficient H ₂ Evolution from Ammonia Borane. <i>Advanced Science</i> , 2018, 5, 1800748.	5.6	71
9	Designing and adjusting the thickness of polyvinylpyrrolidone waveguide layer on plasmonic nanofilm for humidity sensing. <i>Optical Engineering</i> , 2017, 56, 016116.	0.5	0
10	Temperature and rhodamine B sensing based on fluorescence intensity ratio of Er ³⁺ upconversion emissions. <i>RSC Advances</i> , 2017, 7, 48494-48500.	1.7	14
11	Thermal-induced local phase transfer on Ln ³⁺ -doped NaYF ₄ nanoparticles in electrospun ZnO nanofibers: Enhanced upconversion luminescence for temperature sensing. <i>Ceramics International</i> , 2016, 42, 12525-12530.	2.3	22
12	A new molybdate host material: Synthesis, upconversion, temperature quenching and sensing properties. <i>Ceramics International</i> , 2016, 42, 18666-18673.	2.3	25
13	Upconversion Luminescence Properties of Er ³⁺ Doped Yb ₂ Ti ₂ O ₇ Nanophosphor by Gd ³⁺ Codoping. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3690-3694.	0.9	11
14	Effects of He + energy and irradiation temperature on W sputtering yields under fusion-relevant conditions. <i>Journal of Nuclear Materials</i> , 2016, 470, 164-169.	1.3	8
15	Multiple Temperature-Sensing Behavior of Green and Red Upconversion Emissions from Stark Sublevels of Er ³⁺ . <i>Sensors</i> , 2015, 15, 30981-30990.	2.1	51
16	Local surface plasmon resonance of single silver nanorice particles in the near-infrared. <i>Mikrochimica Acta</i> , 2014, 181, 791-795.	2.5	9
17	Structure and upconversion luminescence properties of Er ³⁺ -Mo ⁶⁺ codoped Yb ₂ Ti ₂ O ₇ films. <i>Thin Solid Films</i> , 2014, 550, 495-498.	0.8	13
18	Size dependence of the upconverted luminescence of NaYF ₄ :Er,Yb microspheres for use in ratiometric thermometry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20009.	1.3	170

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19	Investigation of near-infrared-to-ultraviolet upconversion luminescence of Tm ³⁺ doped NaYF ₄ phosphors by Yb ³⁺ codoping. <i>Materials Chemistry and Physics</i> , 2013, 142, 333-338.	2.0	31
20	Upconversion properties of Er ³⁺ +Yb ³⁺ :NaYF ₄ phosphors with a wide range of Yb ³⁺ concentration. <i>Journal of Luminescence</i> , 2013, 135, 128-132.	1.5	60
21	A general approach for selective enhancement of green upconversion emissions in Er ³⁺ doped oxides by Yb ³⁺ +MoO ₄ ²⁻ dimer sensitizing. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 312-316.	1.1	16
22	Effects of ion bombardment on microcrystalline silicon growth by inductively coupled plasma assistant magnetron sputtering. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 2070-2075.	2.0	2
23	Color tuning by co-doping of Er doped TiO ₂ phosphors within a fixed Er concentration. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 419-423.	1.1	3
24	Temperature Sensing and In Vivo Imaging by Molybdenum Sensitized Visible Upconversion Luminescence of Rare-Earth Oxides. <i>Advanced Materials</i> , 2012, 24, 1987-1993.	11.1	731
25	Quasi-one dimensional Er ³⁺ +Yb ³⁺ codoped single-crystal MoO ₃ ribbons: Synthesis, characterization and up-conversion luminescence. <i>Optics Communications</i> , 2011, 284, 2528-2531.	1.0	9
26	Up-Conversion Emissions Characteristics of Non-Aqueous Sol-Gel Derived RE ₃ Al ₅ O ₁₂ Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9697-9700.	0.9	0
27	Local and Remote Charge-Transfer-Enhanced Raman Scattering on One-Dimensional Transition-Metal Oxides. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1824-1829.	1.7	42
28	Er ³⁺ -Yb ³⁺ codoped borosilicate glass for optical thermometry. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 848-851.	2.0	9
29	Up-conversion emissions of Er ³⁺ -Yb ³⁺ codoped Al ₂ O ₃ nanoparticles by the arc discharge synthesis method. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 1043-1046.	0.2	13