

Kezhi Zheng

List of Publications by Year in descending order

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44
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236925

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docs citations

46
times ranked

3927
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in upconversion nanocrystals: Expanding the kaleidoscopic toolbox for emerging applications. <i>Nano Today</i> , 2019, 29, 100797.	11.9	141
2	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9262-9268.	13.8	52
3	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. <i>Angewandte Chemie</i> , 2019, 131, 9363-9369.	2.0	34
4	Energy Flux Manipulation in Upconversion Nanosystems. <i>Accounts of Chemical Research</i> , 2019, 52, 228-236.	15.6	82
5	Remote manipulation of upconversion luminescence. <i>Chemical Society Reviews</i> , 2018, 47, 6473-6485.	38.1	210
6	Rewritable Optical Memory Through High-Registry Orthogonal Upconversion. <i>Advanced Materials</i> , 2018, 30, e1801726.	21.0	124
7	Advances in highly doped upconversion nanoparticles. <i>Nature Communications</i> , 2018, 9, 2415.	12.8	793
8	Tuning Two-Photon Absorption Cross Section in Metal Organic Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 7424-7430.	6.7	31
9	Reply to "comment on "A strategy for enhancing the sensitivity of optical thermometers in $\text{Er}^{3+}/\text{Yb}^{3+}/\text{NaLuF}_4$ nanocrystals" by L. Marciniak, A. Bednarkiewicz, D. Hreniak and W. Strek, <i>J. Mater. Chem. C: Journal of Materials Chemistry C</i> , 2016, 4, 4329-4330.	5.5	1
10	NIR to VUV: Seven-Photon Upconversion Emissions from Gd^{3+} Ions in Fluoride Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 556-560.	4.6	30
11	Controllable synthesis of $\text{Er}^{3+}/\text{Yb}^{3+}$ nanocrystals and their application in polymer-based optical waveguide amplifiers. <i>Journal of Fluorine Chemistry</i> , 2015, 175, 125-128.	1.7	7
12	Dual mode emission of core-shell rare earth nanoparticles for fluorescence encoding. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6314-6321.	5.5	24
13	Five-photon UV upconversion emissions of Er^{3+} for temperature sensing. <i>Optics Express</i> , 2015, 23, 7653.	3.4	109
14	A strategy for enhancing the sensitivity of optical thermometers in $\text{Er}^{3+}/\text{Yb}^{3+}/\text{NaLuF}_4$ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11589-11594.	5.5	48
15	Flying upconversion fluorescent particles and direct observation of energy transfer and depopulation processes. <i>CrystEngComm</i> , 2015, 17, 587-591.	2.6	1
16	Controllable synthesis and size-dependent upconversion luminescence properties of $\text{Lu}_2\text{O}_3/\text{Yb}^{3+}/\text{Er}^{3+}$ nanospheres. <i>CrystEngComm</i> , 2014, 16, 4329-4337.	2.6	29
17	Growth of hexagonal phase sodium rare earth tetrafluorides induced by heterogeneous cubic phase core. <i>RSC Advances</i> , 2014, 4, 13490.	3.6	11
18	Oleic Acid-Modified $\text{LiYF}_4/\text{Er}^{3+}/\text{Yb}^{3+}$ Nanocrystals for Potential Optical-Amplification Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3718-3721.	0.9	8

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19	Temperature sensor based on the UV upconversion luminescence of Gd ³⁺ in Yb ³⁺ +Tm ³⁺ +Gd ³⁺ codoped NaLuF ₄ microcrystals. Journal of Materials Chemistry C, 2013, 1, 5502.	5.5	225
20	Influence of core size on the upconversion luminescence properties of spherical Gd ₂ O ₃ :Yb ³⁺ /Er ³⁺ @SiO ₂ particles with core-shell structures. Journal of Applied Physics, 2013, 114, 183109.	2.5	15
21	Tunable upconversion emission in Ba ₂ YF ₇ :Yb ³⁺ /Er ³⁺ nanocrystals with different Yb ³⁺ concentration. Materials Research Bulletin, 2013, 48, 2361-2364.	5.2	8
22	Color control and white upconversion luminescence of LaOF:Ln ³⁺ (Ln = Yb, Er, Tm) nanocrystals prepared by the sol-gel Pechini method. Dalton Transactions, 2013, 42, 5159.	3.3	46
23	Direct evidence of energy transfer from Er ³⁺ to Sm ³⁺ in Er ³⁺ /Sm ³⁺ co-doped system. Chemical Physics Letters, 2012, 543, 166-169.	2.6	8
24	Controllable synthesis, upconversion luminescence, and paramagnetic properties of NaGdF ₄ :Yb ³⁺ ,Er ³⁺ microrods. Journal of Fluorine Chemistry, 2012, 144, 157-164.	1.7	17
25	Sensitized high-order ultraviolet upconversion emissions of Gd ³⁺ by Er ³⁺ in NaYF ₄ microcrystals. Journal of Alloys and Compounds, 2011, 509, 5848-5852.	5.5	13
26	Ultraviolet Upconversion Fluorescence of Er ³⁺ in Yb ³⁺ /Er ³⁺ -Codoped Gd ₂ O ₃ Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 9765-9769.	0.9	4
27	Synthesis and characterization of Yb ³⁺ ,Tm ³⁺ :Ba ₂ YF ₇ nanocrystalline with efficient upconversion fluorescence. Materials Letters, 2011, 65, 2368-2370.	2.6	16
28	Temperature-dependent six-photon upconversion fluorescence of Er ³⁺ . Journal of Fluorine Chemistry, 2011, 132, 5-8.	1.7	18
29	Infrared to ultraviolet upconversion fluorescence of Gd ³⁺ in β -NaYF ₄ microcrystals induced by 1560nm excitation. Optical Materials, 2011, 33, 783-787.	3.6	18
30	Upconversion Luminescence Properties of Yb ³⁺ , Gd ³⁺ , and Tm ³⁺ Co-Doped NaYF ₄ Microcrystals Synthesized by the Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 1920-1923.	0.9	11
31	Near-infrared photocatalysis based on YF ₃ :Yb ³⁺ ,Tm ³⁺ /TiO ₂ core/shell nanoparticles. Chemical Communications, 2010, 46, 2304.	4.1	353
32	Power switched multiphoton upconversion emissions of Er ³⁺ in Yb ³⁺ /Er ³⁺ codoped β -NaYF ₄ microcrystals induced by 980 nm excitation. Optics Express, 2010, 18, 2934.	3.4	45
33	Ultraviolet upconversion fluorescence of Er ³⁺ induced by 1560 nm laser excitation. Optics Letters, 2010, 35, 2442.	3.3	52
34	Bright white upconversion emission from Yb ³⁺ , Er ³⁺ , and Tm ³⁺ -codoped Gd ₂ O ₃ nanotubes. Physical Chemistry Chemical Physics, 2010, 12, 7620.	2.8	70
35	Large-scale synthesis and photoluminescence properties of SiC networks. Applied Physics A: Materials Science and Processing, 2009, 96, 521-527.	2.3	12
36	Synthesis and upconversion luminescence properties of YF ₃ :Yb ³⁺ /Tm ³⁺ octahedral nanocrystals. Journal of Fluorine Chemistry, 2009, 130, 158-161.	1.7	25

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37	Effect of crystal structure and ions concentration on luminescence in Yb ³⁺ and Tm ³⁺ codoped fluoride microcrystals. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 1059-1062.	1.7	11
38	Synthesis and Properties of SiC/SiO ₂ Nanochain Heterojunctions by Microwave Method. <i>Crystal Growth and Design</i> , 2009, 9, 1431-1435.	3.0	58
39	Large-Scale Synthesis of Wide Band Gap Semiconductor Nanostructures by Microwave Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19432-19438.	3.1	17
40	Synthesis and field emission of MoO ₃ nanoflowers by a microwave hydrothermal route. <i>Journal of Alloys and Compounds</i> , 2009, 481, 417-421.	5.5	79
41	Ultraviolet and violet upconversion fluorescence of europium (III) doped in YF ₃ nanocrystals. <i>Optics Letters</i> , 2009, 34, 2781.	3.3	41
42	Quantum confinement effect and field emission characteristics of ultrathin 3C-SiC nanobelts. <i>Chemical Physics Letters</i> , 2008, 461, 242-245.	2.6	35
43	Ultraviolet upconversion fluorescence from ⁶ D _{3/2} of Gd ³⁺ induced by 980 nm excitation. <i>Optics Letters</i> , 2008, 33, 2167.	3.3	63
44	The synthesis and ultraviolet photoluminescence of 6H-SiC nanowires by microwave method. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 235102.	2.8	40