

Pengpeng Lei

List of Publications by Year in descending order

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24
papers

1,375
citations

471509

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642732

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all docs

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docs citations

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times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Synthesis of Ultrasmall Poly(Vinylpyrrolidone)-Protected Bismuth Nanodots as a Multifunctional Theranostic Agent for In Vivo Dual-Modal CT/Photothermal-Imaging-Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1702018.	14.9	203
2	Ultrafast Synthesis of Novel Hexagonal Phase NaBiF ₄ Upconversion Nanoparticles at Room Temperature. <i>Advanced Materials</i> , 2017, 29, 1700505.	21.0	131
3	Nanoscale Mixed-Component Metal-Organic Frameworks with Photosensitizer Spatial-Arrangement-Dependent Photochemistry for Multimodal-Imaging-Guided Photothermal Therapy. <i>Chemistry of Materials</i> , 2018, 30, 6867-6876.	6.7	122
4	±-NaYb(Mn)F ₄ :Er ³⁺ /Tm ³⁺ @NaYF ₄ UCNPs as Band-Shape-Luminescent Nanothermometers over a Wide Temperature Range. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20813-20819.	8.0	114
5	Plasmonic Pt Superstructures with Boosted Near-Infrared Absorption and Photothermal Conversion Efficiency in the Second Biowindow for Cancer Therapy. <i>Advanced Materials</i> , 2019, 31, e1904836.	21.0	105
6	Yb ³⁺ /Er ³⁺ -Codoped Bi ₂ O ₃ Nanospheres: Probe for Upconversion Luminescence Imaging and Binary Contrast Agent for Computed Tomography Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26346-26354.	8.0	78
7	Nd ³⁺ -sensitized NaLuF ₄ luminescent nanoparticles for multimodal imaging and temperature sensing under 808 nm excitation. <i>Nanoscale</i> , 2015, 7, 17861-17870.	5.6	74
8	Optimization of Bi ³⁺ in Upconversion Nanoparticles Induced Simultaneous Enhancement of Near-Infrared Optical and X-ray Computed Tomography Imaging Capability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27490-27497.	8.0	72
9	Lanthanide doped Bi ₂ O ₃ upconversion luminescence nanospheres for temperature sensing and optical imaging. <i>Dalton Transactions</i> , 2016, 45, 2686-2693.	3.3	67
10	Benefits of surfactant effects on quantum efficiency enhancement and temperature sensing behavior of NaBiF ₄ upconversion nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9659-9665.	5.5	60
11	Enhanced upconversion luminescence and controllable phase/shape of NaYF ₄ :Yb/Er crystals through Cu ²⁺ ion doping. <i>CrystEngComm</i> , 2018, 20, 1945-1953.	2.6	59
12	Growth of lanthanide-doped LiGdF ₄ nanoparticles induced by LiLuF ₄ core as tri-modal imaging bioprobes. <i>Biomaterials</i> , 2015, 65, 115-123.	11.4	55
13	PEGylated Gd ₃ :Fe Nanoparticles as Multimodal T ₁ /T ₂ -Weighted MRI and X-ray CT Imaging Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20426-20434.	8.0	45
14	Near-infrared optical and X-ray computed tomography dual-modal imaging probe based on novel lanthanide-doped K _{0.3} Bi _{0.7} F _{2.4} upconversion nanoparticles. <i>Nanoscale</i> , 2018, 10, 1394-1402.	5.6	45
15	Ultrafast synthesis of ultrasmall polyethylenimine-protected AgBiS ₂ nanodots by a one-pot method for in vivo dual-modal CT/PA imaging and simultaneous photothermal therapy. <i>Nanoscale</i> , 2018, 10, 16765-16774.	5.6	44
16	Core-shell BaYbF ₅ :Tm@BaGdF ₅ :Yb,Tm nanocrystals for in vivo trimodal UCL/CT/MR imaging. <i>RSC Advances</i> , 2016, 6, 14283-14289.	3.6	21
17	A Simple Strategy for the Controlled Synthesis of Ultrasmall Hexagonal-Phase NaYF ₄ :Yb,Er Upconversion Nanocrystals. <i>ChemPhotoChem</i> , 2017, 1, 369-375.	3.0	18
18	Core-shell heterostructures of ±-NaLuF ₄ :Yb/Er@NaLuF ₄ :Yb@MF ₂ (M = Ca, Sr, Ba) with remarkably enhanced upconversion luminescence. <i>Dalton Transactions</i> , 2016, 45, 11129-11136.	3.3	15

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19	Decoration of upconversion nanocrystals with metal sulfide quantum dots by a universal <i>in situ</i> controlled growth strategy. <i>Nanoscale</i> , 2020, 12, 3977-3987.	5.6	13
20	A pH-responsive assembly based on upconversion nanocrystals and ultrasmall nickel nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9666-9672.	5.5	10
21	Lanthanide-doped bismuth-based fluoride nanoparticles: controlled synthesis and ratiometric temperature sensing. <i>CrystEngComm</i> , 2020, 22, 3432-3438.	2.6	10
22	The size-responsive phase transition mechanism and upconversion/downshifting luminescence properties of $\text{KLu}_2\text{F}_7:\text{Yb}^{3+}/\text{Er}^{3+}$ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6311-6318.	5.5	8
23	Dual-functional $\text{NaYb}(\text{Mn})\text{F}_4:\text{Er}^{3+}@/\text{NaLuF}_4$ nanocrystals with highly enhanced red upconversion luminescence. <i>RSC Advances</i> , 2016, 6, 33493-33500.	3.6	5
24	Hollow upconversion nanoparticles: Synthesis and luminescence in comparison with their solid counterparts. <i>Chemical Engineering Journal</i> , 2021, 426, 131376.	12.7	1