

# Yafei Hou

## List of Publications by Year in descending order

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43  
papers

1,273  
citations

279798

23  
h-index

361022

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1619  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Energy Storage Density and Efficiency of (1-x)[0.94%BT-0.06%BT]xST Lead-Free Ceramics. Energy Technology, 2015, 3, 1198-1204.	3.8	109
2	Eu <sup>3+</sup> -Activated NaGdF <sub>4</sub> Nanorods for Near-Ultraviolet Light-Triggered Indoor Illumination. ACS Applied Nano Materials, 2019, 2, 4275-4285.	5.0	74
3	Upconversion nanoparticle-mediated photodynamic therapy induces autophagy and cholesterol efflux of macrophage-derived foam cells via ROS generation. Cell Death and Disease, 2017, 8, e2864-e2864.	6.3	72
4	Tunable Luminescence Contrast in Photochromic Ceramics (1-x)TjETQq000rgBT/Overlock 10 Tf 50 627 Td (x)Na <sub>0.5</sub> by an Electric Field Poling. ACS Applied Materials & Interfaces, 2018, 10, 41525-41534.	8.0	68
5	High Energy storage density and excellent temperature stability in antiferroelectric/ferroelectric bilayer thin films. Journal of the American Ceramic Society, 2017, 100, 3080-3087.	3.8	66
6	Reversible up-conversion luminescence modulation based on UV-VIS light-controlled photochromism in Er <sup>3+</sup> doped Sr <sub>2</sub> SnO <sub>4</sub> . Journal of Materials Chemistry C, 2018, 6, 13148-13156.	5.5	60
7	Air-stable all-inorganic perovskite quantum dot inks for multicolor patterns and white LEDs. Journal of Materials Science, 2019, 54, 6917-6929.	3.7	51
8	Two-Dimensional Ordering in Block Copolymer Monolayer Thin Films upon Selective Solvent Annealing. Macromolecules, 2008, 41, 5799-5808.	4.8	46
9	Large and reversible in-situ up-conversion photoluminescence modulation based on photochromism via electric-field and thermal stimulus in ferroelectrics. Journal of the European Ceramic Society, 2018, 38, 3154-3161.	5.7	46
10	The upconversion luminescence modulation and its enhancement in Er <sup>3+</sup> -doped Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based on photochromic reaction. Journal of the American Ceramic Society, 2018, 101, 5640-5650.	3.8	43
11	Giant electrocaloric effect in PZT bilayer thin films by utilizing the electric field engineering. Applied Physics Letters, 2016, 108, 162902.	3.3	38
12	Ultra-high sensitivity of multicolor Sm <sup>3+</sup> -doped LiSrVO <sub>4</sub> phosphors for contactless optical thermometers. Dalton Transactions, 2020, 49, 10224-10231.	3.3	37
13	Positive/negative electrocaloric effect induced by defect dipoles in PZT ferroelectric bilayer thin films. RSC Advances, 2016, 6, 71934-71939.	3.6	36
14	pH-Responsive drug release and NIR-triggered singlet oxygen generation based on a multifunctional core-shell structure. Physical Chemistry Chemical Physics, 2016, 18, 25497-25503.	2.8	35
15	BaTiO <sub>3</sub> /MWNTs/Polyvinylidene Fluoride Ternary Dielectric Composites with Excellent Dielectric Property, High Breakdown Strength, and High-Energy Storage Density. ACS Omega, 2019, 4, 1000-1006.	3.5	35
16	Upconversion nanoparticle-mediated photodynamic therapy induces THP-1 macrophage apoptosis via ROS bursts and activation of the mitochondrial caspase pathway. International Journal of Nanomedicine, 2015, 10, 3719.	6.7	32
17	Nanocomposites of Perovskite Quantum Dots Embedded in Magnesium Silicate Hollow Spheres for Multicolor Display. Journal of Physical Chemistry C, 2018, 122, 16887-16893.	3.1	30
18	Significantly enhanced energy storage performance in BiFeO <sub>3</sub> /BaTiO <sub>3</sub> /BiFeO <sub>3</sub> sandwich-structured films through crystallinity regulation. Physical Chemistry Chemical Physics, 2018, 20, 21917-21924.	2.8	30

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19	AFM Tip Hammering Nanolithography. <i>Small</i> , 2009, 5, 477-483.	10.0	27
20	Fabrication of Mesoporous Silica-Coated Upconverting Nanoparticles with Ultrafast Photosensitizer Loading and 808-nm NIR Light-Triggering Capability for Photodynamic Therapy. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2197-2201.	3.3	27
21	Light-controlled reversible photoluminescence modulation in photochromic $\text{Sr}_{2-x}\text{SnO}_4:\text{Eu}^{3+}$ . <i>Journal Physics D: Applied Physics</i> , 2018, 51, 365102.	2.8	27
22	Ratiometric optical thermometer based on the use of manganese(II)-doped $\text{Cs}_3\text{Cu}_2\text{I}_5$ thermochromic and fluorescent halides. <i>Mikrochimica Acta</i> , 2019, 186, 730.	5.0	26
23	Near-Infrared Light-Triggered Hydrophobic-to-Hydrophilic Switch Nanovalve for On-Demand Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3478-3486.	5.2	24
24	Ultralow-intensity near infrared light synchronously activated collaborative chemo/photothermal/photodynamic therapy. <i>Biomaterials Science</i> , 2020, 8, 607-618.	5.4	22
25	Near-infrared light activated photodynamic therapy of THP-1 macrophages based on core-shell structured upconversion nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 78-85.	4.4	21
26	Perovskite quantum dots as fluorescent materials for multi-colored lighting. <i>Journal of Materials Science</i> , 2018, 53, 15430-15441.	3.7	20
27	Significant Enhancement of Energy Storage Performances by Regulating the Dielectric Contrast between Adjacent Layers in the Heterostructural Composites. <i>ACS Applied Energy Materials</i> , 2020, 3, 3015-3023.	5.1	20
28	Simultaneous enhancement of discharge energy density and efficiency in the PMMA and PVDF blend films via introducing the $\text{Ni}(\text{OH})_2$ nanosheets. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158688.	5.5	20
29	Surface step terrace tuned microstructures and dielectric properties of highly epitaxial $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films on vicinal $\text{LaAlO}_3$ substrates. <i>Scientific Reports</i> , 2016, 6, 34683.	3.3	16
30	Influence of the vicinal surface on the anisotropic dielectric properties of highly epitaxial $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films. <i>Nanoscale</i> , 2017, 9, 3068-3078.	5.6	16
31	Excellent Energy Storage Performance in Bilayer Composites Combining Aligned $\text{TiO}_2$ Nanowires with Poly(vinylidene fluoride). <i>Journal of Physical Chemistry C</i> , 2020, 124, 2864-2871.	3.1	14
32	$\text{CeO}_2$ QDs anchored on $\text{MnO}_2$ nanoflowers with multiple synergistic effects for amplified tumour therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112103.	5.0	14
33	Large Piezoelectric Response Induced by the Coexistence of Low-Symmetry and Self-Polarization in $\text{Li}^{+}\text{-Nb}^{5+}$ -Doped $\text{BiFeO}_3$ Polycrystalline Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6246-6251.	3.1	10
34	Three-phases $\text{Fe}_3\text{O}_4@\text{TiO}_2\text{-P(VDF-HFP)}$ composite films with high energy storage density at low filler fraction under low operating electric field. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 055504.	2.8	10
35	Poly(ether imide)-Based Nanocomposites with Low Fraction of Hierarchical $\text{Ag}@\text{AO}$ Nanofiber for High-Temperature Energy Storage. <i>ACS Applied Energy Materials</i> , 2022, 5, 2329-2338.	5.1	9
36	Energy transfer-triggered multicolor emissions in $\text{Tb}^{3+}/\text{Eu}^{3+}$ -coactivated $\text{Y}_2\text{Mo}_3\text{O}_{12}$ negative thermal expansion microparticles for dual-channel tunable luminescent thermometers. <i>Materials Advances</i> , 0, , .	5.4	8

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37	Continuous Photocatalysis Based on Layer-by-Layer Assembly of Separation-Free TiO <sub>2</sub> /Reduced Graphene Oxide Film Catalysts with Increased Charge Transfer and Active Site. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 721-729.	2.0	7
38	Bowl-like mesoporous polydopamine with size exclusion for highly selective recognition of endogenous glycopeptides. <i>Talanta</i> , 2021, 233, 122468.	5.5	7
39	Two-dimensional self-assembly of diblock copolymers into nanoscopic aggregates: from dots to disks, then rings, and finally short and long rods. <i>Soft Matter</i> , 2013, 9, 5642.	2.7	6
40	Modulation of individual-layer properties results in excellent discharged energy density of sandwich-structured composite films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7663-7671.	2.2	5
41	Novel core-shell-structured ironbark-like TiO <sub>2</sub> as fillers for excellent discharged energy density of nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7848-7857.	2.2	4
42	Biodegradable flower-like manganese for synergistic photothermal and photodynamic therapy applications. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 153-160.	2.9	3
43	Significantly improved energy storage performances of polymer-based nanocomposites via optimizing the coupling effects of interfacial polarizations and interfacial barriers. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	2.2	2