

# Feng Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,809  
citations

257450

24  
h-index

289244

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2358  
citing authors

#	ARTICLE	IF	CITATIONS
1	A single-beam NIR laser-triggered full-color upconversion tuning of a Er/Tm:CsYb <sub>2</sub> F <sub>7</sub> @glass photothermal nanocomposite for optical security. <i>Nanoscale</i> , 2022, 14, 3407-3415.	5.6	12
2	A flexible and stretchable bionic true random number generator. <i>Nano Research</i> , 2022, 15, 4448-4456.	10.4	7
3	Intrinsic Random Optical Features of the Electronic Packages as Physical Unclonable Functions for Internet of Things Security. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	10
4	Ultra-stable narrowband green-emitting CsPbBr <sub>3</sub> quantum dot-embedded glass ceramics for wide color gamut backlit displays. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7263-7272.	5.5	14
5	Toward High-Quality Laser-Driven Lightings: Chromaticity-Tunable Phosphor-In-Glass Film with Phosphor Pattern-Design. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	37
6	Invisible NIR Spectral Imaging and Laser-Induced Thermal Imaging of Na(Nd/Y)F <sub>4</sub> @glass with Opposite Effect for Optical Security. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	14
7	Perovskite Quantum Dots Glasses Based Backlit Displays. <i>ACS Energy Letters</i> , 2021, 6, 519-528.	17.4	240
8	Research Progresses in Preparation and Applications of CsPb <sub>3</sub> (X=Cl, Br, I) Perovskite Quantum Dots-embedded Glass. <i>Chinese Journal of Luminescence</i> , 2021, 42, 1331-1344.	0.5	7
9	Physical Unclonable Anticounterfeiting Electrodes Enabled by Spontaneously Formed Plasmonic Core-Shell Nanoparticles for Traceable Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2010537.	14.9	34
10	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , 2021, 6, 2001073.	5.8	13
11	Unclonable fluorescence behaviors of perovskite quantum dots/chaotic metasurfaces hybrid nanostructures for versatile security primitive. <i>Chemical Engineering Journal</i> , 2021, 411, 128350.	12.7	38
12	Bionic optical physical unclonable functions for authentication and encryption. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13200-13208.	5.5	23
13	Bright Electroluminescent White-Light-Emitting Diodes Based on Carbon Dots with Tunable Correlated Color Temperature Enabled by Aggregation. <i>Small</i> , 2021, 17, e2104551.	10.0	34
14	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. <i>Physical Review Applied</i> , 2021, 16, .	3.8	8
15	Hierarchical growth and morphological control of ordered Cu-Au alloy arrays with high surface enhanced Raman scattering activity. <i>CrystEngComm</i> , 2020, 22, 113-118.	2.6	12
16	Hypersensitive and color-tunable temperature sensing properties of (Eu,Tb)(AcAc) <sub>3</sub> phen via phonon-assisted energy transfer. <i>Optical Materials</i> , 2020, 110, 110532.	3.6	12
17	Transparent photoactuators based on localized-surface-plasmon-resonant semiconductor nanocrystals: a platform for camouflage soft robots. <i>Nanoscale</i> , 2020, 12, 11878-11886.	5.6	8
18	Lanthanide-Doped Core@Multishell Nanoarchitectures: Multimodal Excitable Upconverting/Downshifting Luminescence and High-Level Anti-Counterfeiting. <i>Small</i> , 2020, 16, e2000708.	10.0	137

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19	Perceiving Linear-Velocity by Multiphoton Upconversion. ACS Applied Materials & Interfaces, 2019, 11, 46379-46385.	8.0	22
20	Fluorinated graphdiyne as a significantly enhanced fluorescence material. RSC Advances, 2019, 9, 18377-18382.	3.6	13
21	Nanocrystallization of lanthanide-doped $\text{KLu}_{2-x}\text{F}_{7-x}\text{K}^{\text{Yb}}_{2-x}\text{F}_{7-x}$ solid-solutions in aluminosilicate glass for upconverted solid-state-lighting and photothermal anti-counterfeiting. Journal of Materials Chemistry C, 2019, 7, 14571-14580.	5.5	25
22	Graphene-Based Actuator with Integrated Sensing Function. Advanced Functional Materials, 2019, 29, 1806057.	14.9	85
23	Anisotropic Photoresponse of the Ultrathin GeSe Nanoplates Grown by Rapid Physical Vapor Deposition. ACS Applied Materials & Interfaces, 2019, 11, 4123-4130.	8.0	45
24	Inverse thermal quenching effect in lanthanide-doped upconversion nanocrystals for anti-counterfeiting. Journal of Materials Chemistry C, 2018, 6, 5427-5433.	5.5	103
25	Highly ordered Au-Ag alloy arrays with tunable morphologies for surface enhanced Raman spectroscopy. Chemical Engineering Journal, 2018, 345, 389-394.	12.7	38
26	Sensitivity modification of upconversion thermometry through manipulating cross-relaxation between $\text{Tm}^{3+}$ ions. Journal of Alloys and Compounds, 2018, 747, 960-965.	5.5	27
27	Towards ultra-high sensitive colorimetric nanothermometry: Constructing thermal coupling channel for electronically independent levels. Sensors and Actuators B: Chemical, 2018, 256, 498-503.	7.8	33
28	$\text{Sn}^{2+}/\text{Mn}^{2+}$ codoped strontium phosphate ( $\text{Sr}_2\text{P}_2\text{O}_7$ ) phosphor for high temperature optical thermometry. Journal of Alloys and Compounds, 2018, 735, 1546-1552.	5.5	56
29	Temperature sensitive cross relaxation between $\text{Er}^{3+}$ ions in laminated hosts: a novel mechanism for thermochromic upconversion and high performance thermometry. Journal of Materials Chemistry C, 2018, 6, 12364-12370.	5.5	65
30	Long-Lasting and Easy-to-Use Rewritable Paper Fabricated by Printing Technology. ACS Applied Materials & Interfaces, 2018, 10, 40149-40155.	8.0	34
31	Phase-Selective Nanocrystallization of $\text{NaLnF}_4$ in Aluminosilicate Glass for Random Laser and 940 nm LED-Excitable Upconverted Luminescence. Laser and Photonics Reviews, 2018, 12, 1800030.	8.7	94
32	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. Journal of Materials Chemistry C, 2018, 6, 7462-7478.	5.5	194
33	Synthesis of $\text{Mn}^{2+}:\text{Zn}_2\text{SiO}_4$ "Eu <sup>3+</sup> :Gd <sub>2</sub> O <sub>3</sub> " nanocomposites for highly sensitive optical thermometry through the synergistic luminescence from lanthanide-transition metal ions. Journal of Materials Chemistry C, 2017, 5, 5176-5182.	5.5	130
34	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. Nanoscale, 2017, 9, 13794-13799.	5.6	61
35	Intervalence charge transfer state interfered $\text{Pr}^{3+}$ luminescence: A novel strategy for high sensitive optical thermometry. Sensors and Actuators B: Chemical, 2017, 243, 137-143.	7.8	136
36	Non-Rare-Earth $\text{BaMgAl}_{10}\text{O}_{17}:\text{Mn}^{4+},\text{Mg}^{2+}$ : A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. Chemistry of Materials, 2016, 28, 3515-3524.	6.7	290

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37	CuGaS <sub>2</sub> â€“ZnS nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. <i>Nanoscale</i> , 2016, 8, 16670-16676.	5.6	52
38	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervalence Charge Transfer States. <i>Advanced Functional Materials</i> , 2016, 26, 3139-3145.	14.9	467
39	Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped CaMoO <sub>4</sub> : a promising green upconversion phosphor for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , 2015, 639, 325-329.	5.5	176