

Feng Huang

List of Publications by Year in descending order

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39
papers

2,809
citations

257450

24
h-index

289244

40
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40
all docs

40
docs citations

40
times ranked

2358
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervallence Charge Transfer States. <i>Advanced Functional Materials</i> , 2016, 26, 3139-3145.	14.9	467
2	Non-Rare-Earth BaMgAl ₁₀ Si ₂ O ₁₇ :Mn ⁴⁺ ,Mg ²⁺ : A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. <i>Chemistry of Materials</i> , 2016, 28, 3515-3524.	6.7	290
3	Perovskite Quantum Dots Glasses Based Backlit Displays. <i>ACS Energy Letters</i> , 2021, 6, 519-528.	17.4	240
4	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7462-7478.	5.5	194
5	Yb ³⁺ /Er ³⁺ co-doped CaMoO ₄ : a promising green upconversion phosphor for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , 2015, 639, 325-329.	5.5	176
6	Lanthanide-Doped Core@Multishell Nanoarchitectures: Multimodal Excitable Upconverting/Downshifting Luminescence and High-Level Anti-Counterfeiting. <i>Small</i> , 2020, 16, e2000708.	10.0	137
7	Intervallence charge transfer state interfered Pr ³⁺ luminescence: A novel strategy for high sensitive optical thermometry. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 137-143.	7.8	136
8	Synthesis of Mn ²⁺ :Zn ₂ SiO ₄ :Eu ³⁺ :Gd ₂ O ₃ nanocomposites for highly sensitive optical thermometry through the synergistic luminescence from lanthanide-transition metal ions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5176-5182.	5.5	130
9	Inverse thermal quenching effect in lanthanide-doped upconversion nanocrystals for anti-counterfeiting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5427-5433.	5.5	103
10	Phase-Selective Nanocrystallization of NaLnF ₄ in Aluminosilicate Glass for Random Laser and 940 nm LED-Excitable Upconverted Luminescence. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800030.	8.7	94
11	Graphene-Based Actuator with Integrated Sensing Function. <i>Advanced Functional Materials</i> , 2019, 29, 1806057.	14.9	85
12	Temperature sensitive cross relaxation between Er ³⁺ ions in laminated hosts: a novel mechanism for thermochromic upconversion and high performance thermometry. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12364-12370.	5.5	65
13	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. <i>Nanoscale</i> , 2017, 9, 13794-13799.	5.6	61
14	Sn ²⁺ /Mn ²⁺ codoped strontium phosphate (Sr ₂ P ₂ O ₇) phosphor for high temperature optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1546-1552.	5.5	56
15	CuGaS ₂ :ZnS nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. <i>Nanoscale</i> , 2016, 8, 16670-16676.	5.6	52
16	Anisotropic Photoresponse of the Ultrathin GeSe Nanoplates Grown by Rapid Physical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4123-4130.	8.0	45
17	Highly ordered Au-Ag alloy arrays with tunable morphologies for surface enhanced Raman spectroscopy. <i>Chemical Engineering Journal</i> , 2018, 345, 389-394.	12.7	38
18	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

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19	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
20	Long-Lasting and Easy-to-Use Rewritable Paper Fabricated by Printing Technology. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40149-40155.	8.0	34
21	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
22	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
23	Towards ultra-high sensitive colorimetric nanothermometry: Constructing thermal coupling channel for electronically independent levels. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 498-503.	7.8	33
24	Sensitivity modification of upconversion thermometry through manipulating cross-relaxation between Tm ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2018, 747, 960-965.	5.5	27
25	Nanocrystallization of lanthanide-doped KLu ₂ F ₇ :KYb ₂ F ₇ solid-solutions in aluminosilicate glass for upconverted solid-state-lighting and photothermal anti-counterfeiting. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14571-14580.	5.5	25
26	Bionic optical physical unclonable functions for authentication and encryption. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13200-13208.	5.5	23
27	Perceiving Linear-Velocity by Multiphoton Upconversion. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46379-46385.	8.0	22
28	Ultra-stable narrowband green-emitting CsPbBr ₃ 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
29	Invisible NIR Spectral Imaging and Laser-Induced Thermal Imaging of Na(Nd/Y)F ₄ @glass with Opposite Effect for Optical Security. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	14
30	Fluorinated graphdiyne as a significantly enhanced fluorescence material. <i>RSC Advances</i> , 2019, 9, 18377-18382.	3.6	13
31	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , 2021, 6, 2001073.	5.8	13
32	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
33	Hypersensitive and color-tunable temperature sensing properties of (Eu,Tb)(AcAc) ₃ phen via phonon-assisted energy transfer. <i>Optical Materials</i> , 2020, 110, 110532.	3.6	12
34	A single-beam NIR laser-triggered full-color upconversion tuning of a Er/Tm:CsYb ₂ F ₇ @glass photothermal nanocomposite for optical security. <i>Nanoscale</i> , 2022, 14, 3407-3415.	5.6	12
35	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
36	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

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37	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. <i>Physical Review Applied</i> , 2021, 16, .	3.8	8
38	Research Progresses in Preparation and Applications of CsPb ₃ (X=Cl, Br, I) Perovskite Quantum Dots-embedded Glass. <i>Chinese Journal of Luminescence</i> , 2021, 42, 1331-1344.	0.5	7
39	A flexible and stretchable bionic true random number generator. <i>Nano Research</i> , 2022, 15, 4448-4456.	10.4	7