

Hao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

706
citations

759233

12
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Super Broadband NIR Ca ₂ LuZr ₂ Al ₃ O ₁₂ :Cr ³⁺ ,Yb ³⁺ Garnet Phosphor for pc-LED Light Source toward NIR Spectroscopy Applications. <i>Advanced Optical Materials</i> , 2020, 8, 1901684.	7.3	175
2	Er ³⁺ /Yb ³⁺ codoped phosphor Ba ₃ Y ₄ O ₉ with intense red upconversion emission and optical temperature sensing behavior. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3459-3467.	5.5	99
3	Cr ³⁺ Activated Garnet Phosphor with Efficient Blue to Far-Red Conversion for pc-LED. <i>Advanced Optical Materials</i> , 2021, 9, 2101134.	7.3	91
4	Phosphor-SiO ₂ composite films suitable for white laser lighting with excellent color rendering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2439-2444.	5.7	51
5	Phonon Energy Dependent Energy Transfer Upconversion for the Red Emission in the Er ³⁺ /Yb ³⁺ System. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9611-9618.	3.1	42
6	An efficient green phosphor of Ce ³⁺ and Tb ³⁺ -codoped Ba ₂ Lu ₅ B ₅ O ₁₇ and a model for elucidating the high thermal stability of the green emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5984-5991.	5.5	39
7	Efficient Broadband Near-Infrared CaMgGe ₂ O ₆ :Cr ³⁺ Phosphor for pc-LED. <i>Inorganic Chemistry</i> , 2022, 61, 8815-8822.	4.0	38
8	An efficient blue phosphor Ba ₂ Lu ₅ B ₅ O ₁₇ :Ce ³⁺ stabilized by La ₂ O ₃ : Photoluminescence properties and potential use in white LEDs. <i>Dyes and Pigments</i> , 2018, 154, 121-127.	3.7	30
9	On the luminescence of Ti ⁴⁺ and Eu ³⁺ in monoclinic ZrO ₂ : high performance optical thermometry derived from energy transfer. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4518-4533.	5.5	29
10	Observation of a red Ce ³⁺ center in SrLu ₂ O ₄ :Ce ³⁺ phosphor and its potential application in temperature sensing. <i>Dalton Transactions</i> , 2019, 48, 5263-5270.	3.3	22
11	Highly efficient and thermally robust cyan-green phosphor-in-glass films for high-brightness laser lighting. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12342-12352.	5.5	16
12	High-Power Ultralow Divergence Edge-Emitting Diode Laser With Circular Beam. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 343-351.	2.9	14
13	Cr ³⁺ and Nd ³⁺ co-activated garnet phosphor for NIR super broadband pc-LED application. <i>Materials Research Bulletin</i> , 2022, 151, 111797.	5.2	12
14	Green upconversion luminescence of Er ³⁺ and Yb ³⁺ codoped Gd ₂ Mo ₄ O ₁₅ for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162516.	5.5	10
15	An Ultra-High-SMSR External-Cavity Diode Laser with a Wide Tunable Range around 1550 nm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4390.	2.5	9
16	Enhancing IR to NIR upconversion emission in Er ³⁺ -sensitized phosphors by adding Yb ³⁺ as a highly efficient NIR-emitting center for photovoltaic applications. <i>CrystEngComm</i> , 2020, 22, 229-236.	2.6	7
17	Multi-peaked broad-band red phosphor Y ₃ Si ₆ N ₁₁ :Pr ³⁺ for white LEDs and temperature sensing. <i>Dalton Transactions</i> , 2020, 49, 17779-17785.	3.3	7
18	Enhanced upconversion luminescence and optical thermometry in Er ³⁺ /Yb ³⁺ heavily doped ZrO ₂ by stabilizing in the monoclinic phase. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5142-5149.	5.9	6

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19	Inhomogeneous-Broadening-Induced Intense Upconversion Luminescence in Tm ³⁺ and Yb ³⁺ Codoped Lu ₂ O ₃ •ZrO ₂ Disordered Crystals. <i>Inorganic Chemistry</i> , 2017, 56, 12291-12296.	4.0	4
20	990 nm High-Power High-Beam-Quality DFB Laser With Narrow Linewidth Controlled by Gain-Coupled Effect. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	2.0	4
21	A High-Power and Highly Efficient Semi-Conductor MOPA System for Lithium Atomic Physics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 471.	2.5	1
22	A high-density WDM light source based on mixing-modulated F-P laser diodes. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 403-406.	1.4	0
23	High-Power Narrow-Linewidth Tunable 670.8-nm Master Oscillator Power Amplifier With High Efficiency. <i>IEEE Photonics Journal</i> , 2017, 9, 1-6.	2.0	0