

Ying Tian

List of Publications by Year in descending order

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46
papers

2,515
citations

331259

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times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible high-performance carbon nanotube integrated circuits. <i>Nature Nanotechnology</i> , 2011, 6, 156-161.	15.6	652
2	Aerosol-Synthesized SWCNT Networks with Tunable Conductivity and Transparency by a Dry Transfer Technique. <i>Nano Letters</i> , 2010, 10, 4349-4355.	4.5	384
3	Simple and rapid synthesis of Fe_2O_3 nanowires under ambient conditions. <i>Nano Research</i> , 2009, 2, 373-379.	5.8	208
4	Carbon nanotube-based hybrid hole-transporting material and selective contact for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 461-466.	15.6	185
5	Bulk Synthesis of Large Diameter Semiconducting Single-Walled Carbon Nanotubes by Oxygen-Assisted Floating Catalyst Chemical Vapor Deposition. <i>Journal of the American Chemical Society</i> , 2011, 133, 5232-5235.	6.6	134
6	Tailoring the diameter of single-walled carbon nanotubes for optical applications. <i>Nano Research</i> , 2011, 4, 807-815.	5.8	76
7	Floating catalyst CVD synthesis of single walled carbon nanotubes from ethylene for high performance transparent electrodes. <i>Nanoscale</i> , 2018, 10, 9752-9759.	2.8	73
8	Analysis of the Size Distribution of Single-Walled Carbon Nanotubes Using Optical Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1143-1148.	2.1	62
9	Hybrid carbon source for single-walled carbon nanotube synthesis by aerosol CVD method. <i>Carbon</i> , 2014, 78, 130-136.	5.4	58
10	Growth of single-walled carbon nanotubes with controlled diameters and lengths by an aerosol method. <i>Carbon</i> , 2011, 49, 4636-4643.	5.4	55
11	Nitrogen-Doped Single-Walled Carbon Nanotube Thin Films Exhibiting Anomalous Sheet Resistances. <i>Chemistry of Materials</i> , 2011, 23, 2201-2208.	3.2	43
12	Controlled Synthesis of Single-Walled Carbon Nanotubes in an Aerosol Reactor. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7309-7318.	1.5	40
13	Combined Raman Spectroscopy and Transmission Electron Microscopy Studies of a NanoBud Structure. <i>Journal of the American Chemical Society</i> , 2008, 130, 7188-7189.	6.6	39
14	Three primary color emissions from single multilayered nanocrystals. <i>Nanoscale</i> , 2018, 10, 9673-9678.	2.8	39
15	Mechanistic investigation of ZnO nanowire growth. <i>Applied Physics Letters</i> , 2009, 95, 183114.	1.5	38
16	High color purity red emission of $\text{Y}_2\text{Ti}_2\text{O}_7:\text{Yb}^{3+}, \text{Er}^{3+}$ under 1550 and 980nm excitation. <i>Journal of Luminescence</i> , 2017, 182, 183-188.	1.5	36
17	Validity of Measuring Metallic and Semiconducting Single-Walled Carbon Nanotube Fractions by Quantitative Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2517-2525.	3.2	34
18	Promising lanthanide-doped BiVO_4 phosphors for highly efficient upconversion luminescence and temperature sensing. <i>Dalton Transactions</i> , 2021, 50, 960-969.	1.6	29

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19	Long lifetime of Er ³⁺ : 4I _{11/2} in low phonon-energy fluoro-chloride glasses for mid-infrared optical applications. <i>Journal of Alloys and Compounds</i> , 2018, 731, 418-422.	2.8	25
20	Research on the photoluminescence and up-conversion luminescence properties of Y ₂ Mo ₄ O ₁₅ : Yb, Ho under 454 and 980 nm excitation. <i>Materials Research Bulletin</i> , 2018, 98, 328-334.	2.7	24
21	Temperature Dependent Raman Spectra of Carbon Nanobuds. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13540-13545.	1.5	22
22	Tuning Geometry of SWCNTs by CO ₂ in Floating Catalyst CVD for High-Performance Transparent Conductive Films. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801209.	1.9	20
23	Influence of the diameter of single-walled carbon nanotube bundles on the optoelectronic performance of dry-deposited thin films. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 692-702.	1.5	19
24	Tunable multicolor upconversion luminescence of Yb ³⁺ sensitized Na ₃ La(VO ₄) ₂ crystals. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1415-1423.	1.9	18
25	Up-conversion luminescence of Er ₂ Mo ₄ O ₁₅ under 980 and 1550 nm excitation. <i>RSC Advances</i> , 2016, 6, 109278-109285.	1.7	17
26	Upconversion luminescence properties of Y ₂ O ₃ :Er ³⁺ @Y ₂ O ₃ :Yb ³⁺ ,Tm ³⁺ core-shell nanoparticles prepared via homogeneous co-precipitation. <i>Optical Materials</i> , 2017, 64, 58-63.	1.7	16
27	Enhancing upconversion luminescence and thermal sensing properties of Er/Yb co-doped oxysulfide core-shell nanocrystals. <i>Journal of the American Ceramic Society</i> , 2021, 104, 985-994.	1.9	16
28	Improved SERS Intensity from Silver-Coated Black Silicon by Tuning Surface Plasmons. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300008.	1.9	15
29	A reference material of single-walled carbon nanotubes: quantitative chirality assessment using optical absorption spectroscopy. <i>RSC Advances</i> , 2015, 5, 102974-102980.	1.7	15
30	High quality SWCNT synthesis in the presence of NH ₃ using a vertical flow aerosol reactor. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2507-2510.	0.7	14
31	The local study of a nanoBud structure. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2047-2050.	0.7	13
32	K ₃ LaTe ₂ O ₉ :Er: a novel green up-conversion luminescence material. <i>RSC Advances</i> , 2017, 7, 36374-36381.	1.7	12
33	Luminescence property tuning of Yb ³⁺ -Er ³⁺ doped oxysulfide using multiple-band co-excitation. <i>RSC Advances</i> , 2018, 8, 16557-16565.	1.7	10
34	Cutting floating single-walled carbon nanotubes with a $\tilde{\text{CO}}_2$ blade™. <i>Carbon</i> , 2019, 143, 481-486.	5.4	10
35	Upconversion luminescence and optical temperature sensing of Er ³⁺ -doped La ₂ Mo ₂ O ₉ phosphors under 980 and 1550Ånm excitation. <i>Solid State Sciences</i> , 2022, 132, 106966.	1.5	9
36	Morphology control and temperature sensing properties of micro-rods NaLa(WO ₄) ₂ :Yb ³⁺ ,Er ³⁺ phosphors. <i>Journal of the American Ceramic Society</i> , 2021, 104, 263-272.	1.9	8

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37	Simple method for simultaneously achieving red and green up-conversion luminescence. RSC Advances, 2017, 7, 50264-50268.	1.7	7
38	Fast and Ultraclean Approach for Measuring the Transport Properties of Carbon Nanotubes. Advanced Functional Materials, 2020, 30, 1907150.	7.8	7
39	Upconversion Luminescence Properties of Y ₂ Mo ₄ O ₁₅ : Yb ³⁺ , Er ³⁺ by Solid State Combustion Method. Journal of Nanoscience and Nanotechnology, 2016, 16, 4003-4007.	0.9	6
40	Single red up-conversion emission of Er ³⁺ , Tm ³⁺ co-doped NaYF ₄ nano-particles under 1510 nm excitation. Materials Research Bulletin, 2018, 97, 379-384.	2.7	6
41	Full-color up-conversion emission from the molybdate of Yb _{1.98} Ln _{0.02} Mo ₄ O ₁₅ (Ln=Er, Ho, Tm). Journal of Alloys and Compounds, 2020, 814, 152237.	2.8	6
42	Upconversion Luminescence Properties of Y ₂ O ₃ :Yb, Er and Y ₂ O ₂ S:Yb, Er Nanoparticles Prepared by Complex Precipitation. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	5
43	Single-Walled Carbon Nanotube Thin Film with High Semiconducting Purity by Aerosol Etching toward Thin-Film Transistors. ACS Applied Nano Materials, 2021, 4, 9673-9679.	2.4	5
44	Enhancing red luminescence by doping Yb ³⁺ into Er ³⁺ self-sensitized Gd ₂ O ₃ :S upconverting nanoparticles under excitation at 1530 nm. Dalton Transactions, 2021, 50, 13468-13475.	1.6	4
45	Efficient Color Tuning of Upconversion Luminescence from Core-Shell Oxysulfide Nanoparticles. Journal of Nanomaterials, 2019, 2019, 1-6.	1.5	1
46	Near-infrared-emitting upconverting BiVO ₄ nanoprobos for in vivo fluorescent imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120811.	2.0	0