

Beibei Xu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,407
citations

361045

20
h-index

329751

37
g-index

51
all docs

51
docs citations

51
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic gating of infrared radiation in a textile. <i>Science</i> , 2019, 363, 619-623.	6.0	301
2	Highly efficient phosphor-glass composites by pressureless sintering. <i>Nature Communications</i> , 2020, 11, 2805.	5.8	129
3	Surface passivated silicon nanocrystals with stable luminescence synthesized by femtosecond laser ablation in solution. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20255.	1.3	77
4	Self-Limited Nanocrystallization-Mediated Activation of Semiconductor Nanocrystal in an Amorphous Solid. <i>Advanced Functional Materials</i> , 2013, 23, 5436-5443.	7.8	73
5	Photonic circuits written by femtosecond laser in glass: improved fabrication and recent progress in photonic devices. <i>Advanced Photonics</i> , 2021, 3, .	6.2	71
6	Simple synthesis of ultra-small nanodiamonds with tunable size and photoluminescence. <i>Carbon</i> , 2013, 62, 374-381.	5.4	67
7	Multifunctional tunable ultra-broadband visible and near-infrared luminescence from bismuth-doped germanate glasses. <i>Journal of Applied Physics</i> , 2013, 113, 083503.	1.1	38
8	Enhanced upconversion luminescence in NaYF ₄ : Er nanoparticles with multi-wavelength excitation. <i>Materials Letters</i> , 2014, 128, 299-302.	1.3	38
9	Lanthanide doped nanoparticles as remote sensors for magnetic fields. <i>Nanoscale</i> , 2014, 6, 11002-11006.	2.8	38
10	An organic approach for nanostructured multiferroics. <i>Nanoscale</i> , 2015, 7, 9122-9132.	2.8	34
11	Unusual luminescence quenching and reviving behavior of Bi-doped germanate glasses. <i>Optics Express</i> , 2011, 19, 23436.	1.7	32
12	Highly Emissive Deep-Red Perovskite Quantum Dots in Glass: Photoinduced Thermal Engineering and Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100094.	3.6	31
13	Photoluminescence from Bi ₅ (GaCl ₄) ₃ molecular crystal. <i>Dalton Transactions</i> , 2012, 41, 11055.	1.6	29
14	Ultrabroadband near-infrared luminescence and efficient energy transfer in Bi and Bi/Ho co-doped thin films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2482.	2.7	28
15	Enhanced broadband near-infrared luminescence of Bi-doped oxyfluoride glasses. <i>Optics Express</i> , 2012, 20, 29105.	1.7	26
16	A Free-Standing Molecular Spin-Charge Converter for Ubiquitous Magnetic Energy Harvesting and Sensing. <i>Advanced Materials</i> , 2017, 29, 1605150.	11.1	26
17	Self-organized phase-transition lithography for all-inorganic photonic textures. <i>Light: Science and Applications</i> , 2021, 10, 93.	7.7	24
18	Broadband Near-Infrared Luminescence from γ -ray Irradiated Bismuth-Doped Y ₄ GeO ₈ Crystals. <i>Journal of the Electrochemical Society</i> , 2011, 158, G203.	1.3	21

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19	Multifunctional Charge-Transfer Single Crystals through Supramolecular Assembly. <i>Advanced Materials</i> , 2016, 28, 5322-5329.	11.1	21
20	One-pot synthesis of luminescent hydrophilic silicon nanocrystals. <i>RSC Advances</i> , 2012, 2, 8254.	1.7	20
21	Hybrid Chalcopyrite-Polymer Magnetoconducting Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11215-11220.	4.0	20
22	Enhanced broadband near-infrared luminescence in Bi-doped glasses by co-doping with Ag. <i>Journal of Applied Physics</i> , 2013, 113, 183506.	1.1	18
23	Regulation of structure rigidity for improvement of the thermal stability of near-infrared luminescence in Bi-doped borate glasses. <i>Optics Express</i> , 2013, 21, 27835.	1.7	18
24	All-polymeric control of nanoferronics. <i>Science Advances</i> , 2015, 1, e1501264.	4.7	18
25	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. <i>Optics Letters</i> , 2014, 39, 3022.	1.7	17
26	Influence of high magnetic field on the luminescence of Eu ³⁺ -doped glass ceramics. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	14
27	Chemically Driven Interfacial Coupling in Charge-Transfer Mediated Functional Superstructures. <i>Nano Letters</i> , 2016, 16, 2851-2859.	4.5	14
28	Tunable two-dimensional interfacial coupling in molecular heterostructures. <i>Nature Communications</i> , 2017, 8, 312.	5.8	14
29	Photolithographic Patterning of Organic Color-Centers. <i>Advanced Materials</i> , 2020, 32, e1906517.	11.1	14
30	Ultrafast Laser Inducing Continuous Periodic Crystallization in the Glass Activated via Laser-Prepared Crystallite-Seeds. <i>Advanced Optical Materials</i> , 2021, 9, 2001962.	3.6	13
31	Broadband Optical Amplification of PbS Quantum-Dot-Doped Glass Fibers. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	13
32	Synthesis and Structure of 2,5-Bis[<i>N</i> -(2,6-mesityl)iminomethyl]pyrrolylcobalt(II): Evidence for One-Electron-Oxidized, Redox Noninnocent Ligand Behavior. <i>Inorganic Chemistry</i> , 2017, 56, 3377-3385.	1.9	12
33	Electroluminescence from 4-nitroaryl organic color centers in semiconducting single-wall carbon nanotubes. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	12
34	Integrated Charge Transfer in Organic Ferroelectrics for Flexible Multisensing Materials. <i>Small</i> , 2016, 12, 4502-4507.	5.2	11
35	Solution-Processed Molecular Opto-Ferroic Crystals. <i>Chemistry of Materials</i> , 2016, 28, 2441-2448.	3.2	10
36	Multiphoton upconversion and non-resonant optical nonlinearity in perovskite quantum dot doped glasses. <i>Optics Letters</i> , 2021, 46, 5216.	1.7	10

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37	Lanthanide doped two dimensional heterostructure nanosheets with highly efficient harvest towards solar energy. <i>Materials and Design</i> , 2021, 210, 110023.	3.3	10
38	Ultra-broadband infrared luminescence of Bi-doped thin-films for integrated optics. <i>Optics Express</i> , 2013, 21, 18532.	1.7	8
39	Near-mid infrared emission in Ce ³⁺ and Tm ³⁺ co-doped oxyfluoride glasses by excited at different wavelengths light. <i>Journal of Non-Crystalline Solids</i> , 2014, 391, 49-53.	1.5	7
40	External Stimuli Responsive 2D Charge Transfer Polymers. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600769.	1.9	7
41	Single-Pulse-Induced Ultrafast Spatial Clustering of Metal in Glass: Fine Tunability and Application. <i>Advanced Photonics Research</i> , 2021, 2, 2000121.	1.7	7
42	Origin of structural relaxation dependent spectroscopic features of bismuth-activated glasses. <i>Optics Express</i> , 2014, 22, 15924.	1.7	5
43	Crystallization-Mediated Magnetoelectric Response in Two-Dimensional Molecular Charge Transfer Crystals. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1735-1739.	2.0	2
44	Self-Assembled Metal Molecular Networks by Nanoconfinement. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 206-213.	2.1	2
45	Multisensing Materials: Integrated Charge Transfer in Organic Ferroelectrics for Flexible Multisensing Materials (Small 33/2016). <i>Small</i> , 2016, 12, 4501-4501.	5.2	1
46	Ubiquitous energy conversion of two-dimensional molecular crystals. <i>Nanotechnology</i> , 2019, 30, 15LT01.	1.3	1
47	Quantitative infrared spectroscopy of environmentally sensitive and rough materials. <i>Review of Scientific Instruments</i> , 2019, 90, 113102.	0.6	1
48	Tunable photo-patterning of organic color-centers. <i>Materials and Design</i> , 2021, 212, 110252.	3.3	1
49	Multifunctional molecular charge-transfer thin films. <i>Nanoscale</i> , 2019, 11, 22585-22589.	2.8	0
50	Nonvolatile modulation of luminescence in perovskite oxide thin films by ferroelectric gating. <i>Optics Letters</i> , 2022, 47, 1578.	1.7	0