Beibei Xu

List of Publications by Year
in descending order

50 papers	1,407 citations	361413 20 h-index	330143 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. Science, 2019, 363, 619-623.	12.6	301
2	Highly efficient phosphor-glass composites by pressureless sintering. Nature Communications, 2020, 11, 2805.	12.8	129
3	Surface passivated silicon nanocrystals with stable luminescence synthesized by femtosecond laser ablation in solution. Physical Chemistry Chemical Physics, 2011, 13, 20255.	2.8	77
4	Selfâ€Limited Nanocrystallizationâ€Mediated Activation of Semiconductor Nanocrystal in an Amorphous Solid. Advanced Functional Materials, 2013, 23, 5436-5443.	14.9	73
5	Photonic circuits written by femtosecond laser in glass: improved fabrication and recent progress in photonic devices. Advanced Photonics, 2021, 3, .	11.8	71
6	Simple synthesis of ultra-small nanodiamonds with tunable size and photoluminescence. Carbon, 2013, 62, 374-381.	10.3	67
7	Multifunctional tunable ultra-broadband visible and near-infrared luminescence from bismuth-doped germanate glasses. Journal of Applied Physics, 2013, 113, 083503.	2.5	38
8	Enhanced upconversion luminescence in NaYF4: Er nanoparticles with multi-wavelength excitation. Materials Letters, 2014, 128, 299-302.	2.6	38
9	Lanthanide doped nanoparticles as remote sensors for magnetic fields. Nanoscale, 2014, 6, 11002-11006.	5.6	38
10	An organic approach for nanostructured multiferroics. Nanoscale, 2015, 7, 9122-9132.	5.6	34
11	Unusual luminescence quenching and reviving behavior of Bi-doped germanate glasses. Optics Express, 2011, 19, 23436.	3.4	32
12	Highly Emissive Deepâ€Red Perovskite Quantum Dots in Glass: Photoinduced Thermal Engineering and Applications. Advanced Optical Materials, 2021, 9, 2100094.	7.3	31
13	Photoluminescence from Bi5(GaCl4)3 molecular crystal. Dalton Transactions, 2012, 41, 11055.	3.3	29
14	Ultrabroadband near-infrared luminescence and efficient energy transfer in Bi and Bi/Ho co-doped thin films. Journal of Materials Chemistry C, 2014, 2, 2482.	5.5	28
15	Enhanced broadband near-infrared luminescence of Bi-doped oxyfluoride glasses. Optics Express, 2012, 20, 29105.	3.4	26
16	A Freeâ€Standing Molecular Spinâ€“Charge Converter for Ubiquitous Magneticâ€Energy Harvesting and Sensing. Advanced Materials, 2017, 29, 1605150.	21.0	26
17	Self-organized phase-transition lithography for all-inorganic photonic textures. Light: Science and Applications, 2021, 10, 93.	16.6	24
18	Broadband Near-Infrared Luminescence from Î³-ray Irradiated Bismuth-Doped Y4GeO8 Crystals. Journal of the Electrochemical Society, 2011, 158, G203.	2.9	21

#	Article	IF	Citations
19	Multifunctional Chargeâ€Transfer Single Crystals through Supramolecular Assembly. Advanced Materials, 2016, 28, 5322-5329.	21.0	21
20	One-pot synthesis of luminescent hydrophilic silicon nanocrystals. RSC Advances, 2012, 2, 8254.	3.6	20
21	Hybrid Chalcopyriteâ€“Polymer Magnetoconducting Materials. ACS Applied Materials & Interfaces, 2016, 8, 11215-11220.	8.0	20
22	Enhanced broadband near-infrared luminescence in Bi-doped glasses by co-doping with Ag. Journal of Applied Physics, 2013, 113, 183506.	2.5	18
23	Regulation of structure rigidity for improvement of the thermal stability of near-infrared luminescence in Bi-doped borate glasses. Optics Express, 2013, 21, 27835.	3.4	18
24	All-polymeric control of nanoferronics. Science Advances, 2015, 1, e1501264.	10.3	18
25	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. Optics Letters, 2014, 39, 3022.	3.3	17
26	Influence of high magnetic field on the luminescence of Eu3+-doped glass ceramics. Journal of Applied Physics, 2014, 116, .	2.5	14
27	Chemically Driven Interfacial Coupling in Charge-Transfer Mediated Functional Superstructures. Nano Letters, 2016, 16, 2851-2859.	9.1	14
28	Tunable two-dimensional interfacial coupling in molecular heterostructures. Nature Communications, 2017, 8, 312.	12.8	14
29	Photolithographic Patterning of Organic Colorâ€Centers. Advanced Materials, 2020, 32, e1906517.	21.0	14
30	Ultrafast Laser Inducing Continuous Periodic Crystallization in the Glass Activated via Laserâ€Prepared Crystalliteâ€Seeds. Advanced Optical Materials, 2021, 9, 2001962.	7.3	13
31	Broadband Optical Amplification of PbS Quantumâ€Dotâ€Doped Glass Fibers. Advanced Photonics Research, 2022, 3, .	3.6	13
32	Synthesis and Structure of 2,5-Bis[N-(2,6-mesityl)iminomethyl]pyrrolylcobalt(II): Evidence for One-Electron-Oxidized, Redox Noninnocent Ligand Behavior. Inorganic Chemistry, 2017, 56, 3377-3385.	4.0	12
33	Electroluminescence from 4-nitroaryl organic color centers in semiconducting single-wall carbon nanotubes. Journal of Applied Physics, 2021, 129, .	2.5	12
34	Integrated Charge Transfer in Organic Ferroelectrics for Flexible Multisensing Materials. Small, 2016, 12, 4502-4507.	10.0	11
35	Solution-Processed Molecular Opto-Ferroic Crystals. Chemistry of Materials, 2016, 28, 2441-2448.	6.7	10
36	Multiphoton upconversion and non-resonant optical nonlinearity in perovskite quantum dot doped glasses. Optics Letters, 2021, 46, 5216.	3.3	10

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37	Lanthanide doped two dimensional heterostructure nanosheets with highly efficient harvest towards solar energy. Materials and Design, 2021, 210, 110023.	7.0	10
38	Ultra-broadband infrared luminescence of Bi-doped thin-films for integrated optics. Optics Express, 2013, 21, 18532.	3.4	8
39	Near-mid infrared emission in Ce3+ and Tm3+ co-doped oxyfluoride glasses by excited at different wavelengths light. Journal of Non-Crystalline Solids, 2014, 391, 49-53.	3.1	7
40	External Stimuli Responsive 2D Charge Transfer Polymers. Advanced Materials Interfaces, 2017, 4, 1600769.	3.7	7
41	Singleâ€Pulseâ€Induced Ultrafast Spatial Clustering of Metal in Glass: Fine Tunability and Application. Advanced Photonics Research, 2021, 2, 2000121.	3.6	7
42	Origin of structural relaxation dependent spectroscopic features of bismuth-activated glasses. Optics Express, 2014, 22, 15924.	3.4	5
43	Crystallization-Mediated Magnetoelectric Response in Two-Dimensional Molecular Charge Transfer Crystals. ACS Applied Electronic Materials, 2019, 1, 1735-1739.	4.3	2
44	Self-Assembled Metal Molecular Networks by Nanoconfinement. Journal of Physical Chemistry Letters, 2019, 10, 206-213.	4.6	2
45	Multisensing Materials: Integrated Charge Transfer in Organic Ferroelectrics for Flexible Multisensing Materials (Small 33/2016). Small, 2016, 12, 4501-4501.	10.0	1
46	Ubiquitous energy conversion of two-dimensional molecular crystals. Nanotechnology, 2019, 30, 15LT01.	2.6	1
47	Quantitative infrared spectroscopy of environmentally sensitive and rough materials. Review of Scientific Instruments, 2019, 90, 113102.	1.3	1
48	Tunable photo-patterning of organic color-centers. Materials and Design, 2021, 212, 110252.	7.0	1
49	Multifunctional molecular charge-transfer thin films. Nanoscale, 2019, 11, 22585-22589.	5.6	0
50	Nonvolatile modulation of luminescence in perovskite oxide thin films by ferroelectric gating. Optics Letters, 2022, 47, 1578.	3.3	0