Shiqing Xu

List of Publications by Year
in descending order

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76	1,823	257450	289244
papers	citations	24 h-index	40 g-index

78	78	78	2224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dualâ€Wavelength Responsive Broad Range Multicolor Upconversion Luminescence for Highâ€Capacity Photonic Barcodes. Advanced Optical Materials, 2021, 9, 2100197.	7.3	21
2	Cryogenic Dependent Energy Manipulation in Nonthermally Coupled Levels for Multicolor Upconversion Luminescence. Journal of Physical Chemistry C, 2021, 125, 19040-19047.	3.1	8
3	Cryogenic enabled multicolor upconversion luminescence of KLa(MoO₄)₂:Yb³⁺/Ho³⁺ for dual-mode anti-counterfeiting. Dalton Transactions, 2021, 50, 12234-12241.	3.3	16
4	Reversible enhanced upconversion luminescence by thermal and electric fields in lanthanide ions doped ferroelectric nanocomposites. Science China Materials, 2020, 63, 110-121.	6.3	27
5	Recent progress on metalâ€“organic framework-derived materials for sodium-ion battery anodes. Inorganic Chemistry Frontiers, 2020, 7, 567-582.	6.0	63
6	Upconversion logic gates based on dual-wavelength excitation. Journal Physics D: Applied Physics, 2020, 53, 285103.	2.8	8
7	Excitation-power responsive upconversion logic operations based on the multiphoton process of a praseodymium ion. Journal of Materials Chemistry C, 2020, 8, 2970-2974.	5.5	12
8	Enhanced luminescence in Tb³⁺â€doped germanate glass ceramic scintillators containing CaF₂ nanocrystals. Journal of the American Ceramic Society, 2019, 102, 1720-1725.	3.8	32
9	Hydrothermal Synthesis and Upâ€conversion Luminescence of Ho³⁺/Yb³⁺ Coâ€doped PbTiO₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1111-1117.	1.2	4
10	Efficient Controllable NIRâ€“MIR Luminescence Conversion in Optical Nanostructured Silicate Glasses. Journal of Physical Chemistry C, 2019, 123, 14662-14668.	3.1	5
11	Structural origins, tunable photoluminescence governed by impurities and white-light irradiation in transparent Pr3+:BaTiO3 glass-ceramics. CrystEngComm, 2019, 21, 3613-3618.	2.6	2
12	Akin solidâ€“solid biphasic conversion of a Liâ€“S battery achieved by coordinated carbonate electrolytes. Journal of Materials Chemistry A, 2019, 7, 12498-12506.	10.3	52
13	The electrical enhancement and reversible manipulation of near-infrared luminescence in Nd doped ferroelectric nanocomposites for optical switches. Journal of Materials Chemistry C, 2019, 7, 4320-4325.	5.5	28
14	Waste bones derived nitrogenâ€“doped carbon with high micropore ratio towards supercapacitor applications. Journal of Colloid and Interface Science, 2019, 547, 92-101.	9.4	100
15	Dual-mode color tuning based on upconversion core/triple-shell nanostructure. Journal of Materials Chemistry C, 2019, 7, 3342-3350.	5.5	35
16	Influences of reaction temperature, holding time and S/Zn molar ratio on structure, morphology, optical and electrical properties of ZnS nanoparticles synthesized by hydrothermal method. Journal of Materials Science: Materials in Electronics, 2019, 30, 1089-1099.	2.2	10
17	Fe3+-selective and sensitive â€œon-offâ€•fluorescence probe based on the graphitic carbon nitride nanosheets. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 341-347.	3.9	17
18	Nanoscale engineering of ionic environment for efficient mid-infrared luminescence via electric polarization. Journal of Materials Chemistry C, 2019, 7, 490-494.	5.5	3

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19	Inverse thermal quenching effect in lanthanide-doped upconversion nanocrystals for anti-counterfeiting. Journal of Materials Chemistry C, 2018, 6, 5427-5433.	5.5	103
20	Twoâ€Dimensional Co@Nâ€Carbon Nanocomposites Facilely Derived from Metalâ€“Organic Framework Nanosheets for Efficient Bifunctional Electrocatalysis. Chemistry - an Asian Journal, 2018, 13, 1485-1491.	3.3	39
21	Investigation of Tm3+/Yb3+ co-doped germanateâ€“tellurite glasses for efficient 2ÂÂµm mid-infrared laser materials. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	14
22	Tm3+-doped lead silicate glass sensitized by Er3+ for efficient ~2 Î¼m mid-infrared laser material. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 65-70.	3.9	24
23	Enhancing metallic lithium battery performance by tuning the electrolyte solution structure. Journal of Materials Chemistry A, 2018, 6, 1612-1620.	10.3	52
24	Enhancing negative thermal quenching effect via low-valence doping in two-dimensional confined coreâ€“shell upconversion nanocrystals. Journal of Materials Chemistry C, 2018, 6, 11587-11592.	5.5	45
25	Comprehensive studies of the Ag+ effect on borosilicate glass ceramics containing Ag nanoparticles and Er-doped hexagonal NaYF4 nanocrystals: morphology, structure, and 2.7 Î¼m emission. Nanophotonics, 2018, 7, 913-923.	6.0	21
26	Effects of Tm 3+ concentration on upconversion luminescence and temperatureâ€sensing behavior in Tm 3+ /Yb 3+ :Y 2 O 3 nanocrystals. Luminescence, 2018, 33, 1262-1267.	2.9	9
27	A portable all-fiber thermometer based on the fluorescence intensity ratio (FIR) technique in rare earth doped TeO₂â€“WO₃â€“La₂O₃â€“Na₂O glass. Journal of Materials Chemistry C, 2018, 6, 7063-7069.	5.5	47
28	Intense 2.7 Î¼m emission in Er 3+ doped zinc fluoride glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 179, 42-45.	3.9	11
29	Enhanced single-band red upconversion emission in Yb/Er: Na 3 ZrF 7 @Yb: Na 3 ZrF 7 active-core/active-shell nanocrystals. Materials Letters, 2017, 199, 9-12.	2.6	4
30	Emission properties of 1.8 and 2.3 Î¼m in Tm3+-doped fluoride glass. Glass Physics and Chemistry, 2017, 43, 340-346.	0.7	17
31	Highly Efficient 2.84- $mu ext{m}$ Emission in Ho3+/Yb3+ Co-Doped Telluriteâ€“Germanate Glass for Mid-Infrared Laser Materials. IEEE Photonics Technology Letters, 2017, 29, 1498-1501.	2.5	14
32	2.8â€‰Î¼m emission and OH quenching analysis in Ho3+ doped fluorotellurite-germanate glasses sensitized by Yb3+ and Er3+. Scientific Reports, 2017, 7, 16794.	3.3	9
33	A Point Temperature Sensor Based on Upconversion Emission in Er3+/Yb3+ Codoped Tellurite-Zinc-Niobium Glass. Sensors, 2017, 17, 1253.	3.8	15
34	Microstructure, Hardness Evolution, and Thermal Stability Mechanism of Mechanical Alloyed Cu-Nb Alloy during Heat Treatment. Metals, 2016, 6, 194.	2.3	6
35	Eu³⁺-doped ionogel-functionalized carbon dot monoliths with bright white photoluminescence. RSC Advances, 2016, 6, 72149-72154.	3.6	8
36	2â€‰Î¼m emission properties and nonresonant energy transfer of Er3+ and Ho3+ codoped silicate glasses. Scientific Reports, 2016, 6, 37873.	3.3	23

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37	Synthesis, luminescence properties and electronic structure of Tb³⁺-doped Y_{4â^'x}SiAlO₈N:xTb³⁺ â€“ a novel green phosphor with high thermal stability for white LEDs. RSC Advances, 2016, 6, 113249-113259.	3.6	17
38	Luminescence properties of single-phase color-tunable Li₄SrCa(Si₂O₄N_{8/3}):Eu²⁺ phosphor for white light-emitting diodes. RSC Advances, 2016, 6, 38731-38740.	3.6	10
39	The crystal structure and luminescence properties of novel Ce³⁺ and Ce³⁺, Sm³⁺-activated Y₄SiAlO₈N phosphors for near-UV white LEDs. New Journal of Chemistry, 2016, 40, 5458-5466.	2.8	30
40	Combination of Ionic Liquid and Sonication: a Fast, Mild and Green Way to Fabricate Europiumâ€“doped Lanthanide Nanophosphates. ChemistrySelect, 2016, 1, 4861-4867.	1.5	2
41	Orange- to green-emitting Li(Sr,Ca)4(BO3)3:Eu2+ phosphor: emission-tunable properties and white light emitting diode application. RSC Advances, 2016, 6, 82824-82831.	3.6	8
42	The progress of single-band upconversion nanomaterials. RSC Advances, 2016, 6, 81076-81084.	3.6	7
43	Promote the threshold of Tm³⁺ concentration using an inert-core/active-shell structure. Journal of Materials Chemistry C, 2016, 4, 9183-9186.	5.5	9
44	Controlling red upconversion luminescence in Gd₂O₃:Yb³⁺â€“Er³⁺nanoparticles by changing the different atmosphere. RSC Advances, 2016, 6, 101707-101713.	3.6	3
45	Simulation of Moltenâ€€lass Evolution from Spout Lip to Tin Bath. International Journal of Applied Glass Science, 2016, 7, 492-502.	2.0	3
46	Mid-Infrared 2.86-$mu ext{m}$ Emission Characteristics in Highly Dy³⁺ Doped Fluoroaluminate Glass. IEEE Photonics Technology Letters, 2016, 28, 429-432.	2.5	4
47	Unraveling Morphology and Phase Control of NaLnF₄ Upconverting Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 1342-1351.	3.1	32
48	Effect of Co²⁺ substitution on sintering behavior and microwave dielectric properties of Ca(Mg_{0.92−}<i>_x</i>Co<i>_x</i>A ceramics. Journal of the Ceramic Society of Japan, 2015, 123, 1080-1083.	1.1	5
49	R2O3 (R = La, Y) modified erbium activated germanate glasses for mid-infrared 2.7 Î¼m laser materials. Scientific Reports, 2015, 5, 13056.	3.3	15
50	Tunable and white light emitting AlPO4 mesoporous glass by design of inorganic/organic luminescent species. APL Materials, 2015, 3, 046101.	5.1	5
51	Tunable midâ€infrared luminescence from Er³⁺â€doped germanate glass. Luminescence, 2015, 30, 707-713.	2.9	2
52	The influence of TeO2 on thermal stability and 1.53Î¼m spectroscopic properties in Er3+ doped oxyfluorite glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 162-169.	3.9	11
53	Investigation of mid-infrared emission characteristics and energy transfer dynamics in Er3+ doped oxyfluoride tellurite glass. Scientific Reports, 2015, 5, 10676.	3.3	54
54	Emerging strategies for the synthesis of monodisperse colloidal semiconductor quantum rods. Journal of Materials Chemistry C, 2015, 3, 8284-8293.	5.5	25

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55	Coordination-Resolved Electron Spectrometrics. Chemical Reviews, 2015, 115, 6746-6810.	47.7	121
56	Luminescence properties and crystal structure of Î±â€²-Sr2Si3x/4O2Nx:Eu2+ phosphors with different concentrations of N3â^' ions. RSC Advances, 2015, 5, 62659-62669.	3.6	13
57	Observation of Midinfrared 4-$mu ext{m}$ Emission in Ho³⁺-Doped Fluoroaluminate Glasses. IEEE Photonics Technology Letters, 2015, 27, 959-962.	2.5	2
58	Luminescence properties of novel emission-tunable NaSr(_{4â^'xâ^'y})Ba_x(BO₃)₃:yEu²⁺ phosphors for white light emitting diodes. RSC Advances, 2015, 5, 85682-85690.	3.6	18
59	The use of zinc ions to control the size of Yb/Er:KMnF₃ nanocrystals with single band emission. CrystEngComm, 2015, 17, 8457-8462.	2.6	8
60	Modification of the crystal structure of Sr_{2â^'x}Ba_xSi(O,N)₄: Eu²⁺ phosphors to improve their luminescence properties. CrystEngComm, 2015, 17, 9123-9134.	2.6	24
61	Intense multiphoton upconversion of Yb³⁺â€“Tm³⁺ doped Î²-NaYF₄ individual nanocrystals by saturation excitation. Journal of Materials Chemistry C, 2015, 3, 364-369.	5.5	55
62	3D Simulation of Borosilicate Glass Allâ€Electric Melting Furnaces. Journal of the American Ceramic Society, 2014, 97, 141-149.	3.8	10
63	Analysis of structure origin and luminescence properties of Yb3+â€“Er3+ co-doped fluorophosphate glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 235-240.	3.9	1
64	Broadband near-infrared emission property in Er3+/Ce3+ co-doped silicaâ€“germanate glass for fiber amplifier. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 53-58.	3.9	18
65	Influence of Li₂CO₃ additions to CaSiO₃â€“Al₂O₃ ceramics on sintering temperature and microwave dielectric properties. Journal of the Ceramic Society of Japan, 2014, 122, 125-128.	1.1	7
66	Mid-infrared fluorescence, energy transfer process and rate equation analysis in Er3+ doped germanate glass. Scientific Reports, 2014, 4, 6060.	3.3	56
67	Structural evolution and enhancement of luminescence in the Eu-doped oxyfluoride glass ceramics containing NaGdF4 nanocrystals. CrystEngComm, 2013, 15, 7346.	2.6	30
68	Up-conversion luminescence in LaF3:Ho3+via two-wavelength excitation for use in solar cells. Journal of Materials Chemistry C, 2013, 1, 8023.	5.5	66
69	Ba2Ca(PO4)2:Eu2+ emission-tunable phosphor for solid-state lighting: luminescent properties and application as white light emitting diodes. Journal of Materials Chemistry C, 2013, 1, 5577.	5.5	69
70	Synthesis and spectroscopic characterization of Ho3+/Tm3+/Pr3+ doped fluorophosphate glass. Journal of Materials Science: Materials in Electronics, 2013, 24, 866-870.	2.2	4
71	Ca4(PO4)2O:Eu2+ red-emitting phosphor for solid-state lighting: structure, luminescent properties and white light emitting diode application. Journal of Materials Chemistry C, 2013, 1, 3194.	5.5	153
72	Sintering behavior and dielectric properties of Al₂O₃ ceramics with CaMgSi₂O₆ addition. Journal of the Ceramic Society of Japan, 2012, 120, 268-271.	1.1	1

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73	Reply to the Comments on â€œA New Method to Optimize Furnace Designs Using Daily Flow Rates to Maximize Energy Savings in the Steady Productionâ€• Journal of the American Ceramic Society, 2010, 93, 1804-1804.	3.8	0
74	Single-phased white-light emitting CaAl2Si2O8: Eu2+, Mn2+ phosphors prepared by a solâ€“gel method. Journal of Sol-Gel Science and Technology, 2009, 50, 368-371.	2.4	21
75	Multiple logic gates system based on dualâ€wavelength triggered enhancing upconversion luminescence of Gd 2 (MoO 4) 3 :Yb 3+ /Er 3+. Journal of the American Ceramic Society, 0, , .	3.8	0
76	High efficient upconversion luminescence of NaGdF4: Yb3+/Er3+ nanoparticle: first-principles calculation, dual-wavelength stimuli and logic gate application. Materials Technology, 0, , 1-10.	3.0	0