

Xiaojiao Kang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

5,774
citations

44
h-index

75
g-index

82
ext. papers

6,116
ext. citations

7.2
avg, IF

5.5
L-index

#	Paper	IF	Citations
81	Multifunctional Pr ³⁺ single doped CaLaMgTaO ₆ : Crystal structure, thermal behavior and applications. <i>Journal of Alloys and Compounds</i> , 2021 , 879, 160424	5.7	0
80	Multicolor-tunable up-conversion emissions of Yb,Er/Ho co-doped BaLuZnO: crystal structure, luminescence and energy transfer properties. <i>Dalton Transactions</i> , 2019 , 48, 2917-2925	4.3	14
79	Generating green and yellow lines in Y ₆ Si ₃ O ₉ N ₄ :Ce ³⁺ ,Tb ³⁺ /Dy ³⁺ oxynitrides phosphor. <i>Journal of Luminescence</i> , 2019 , 213, 297-303	3.8	4
78	Short-chain ligand assisted synthesis of CH ₃ NH ₃ PbX ₃ (X = Cl, Br, I) perovskite quantum dots and improved morphology of CH ₃ NH ₃ PbBr ₃ thin films. <i>Journal of Luminescence</i> , 2019 , 211, 26-31	3.8	8
77	Energy Transfer from Ce to Tb /Dy /Mn in Ca Ga(PO) Phosphors: Synthesis, Structure and Tunable Multicolor Luminescent Properties. <i>ChemPhysChem</i> , 2019 , 20, 861-867	3.2	10
76	Fluorometric aptamer based assay for ochratoxin A based on the use of exonuclease III. <i>Mikrochimica Acta</i> , 2018 , 185, 254	5.8	22
75	Tunable full-color emitting Na ₂ Ba ₆ (Si ₂ O ₇)(SiO ₄) ₂ :Ce ³⁺ ,Eu ²⁺ ,Tb ³⁺ ,Mn ²⁺ phosphor for UV white LEDs: Photoluminescence and energy transfer. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 231-237	5.7	18
74	PVP-coated gold nanoparticles for the selective determination of ochratoxin A via quenching fluorescence of the free aptamer. <i>Food Chemistry</i> , 2018 , 249, 45-50	8.5	26
73	Tricolor- and White Light-Emitting Ce/Tb/Mn-Coactivated LiCaSiO Phosphor via Energy Transfer. <i>ACS Omega</i> , 2018 , 3, 16714-16720	3.9	20
72	Near UV based LED fabricated with K ₂ Ba ₃ Si ₈ O ₂₀ :Eu ²⁺ and energy transfer between Ce ³⁺ and Eu ²⁺ . <i>Materials Research Bulletin</i> , 2018 , 108, 46-50	5.1	7
71	Homogeneous Synthesis and Electroluminescence Device of Highly Luminescent CsPbBr Perovskite Nanocrystals. <i>Inorganic Chemistry</i> , 2017 , 56, 2596-2601	5.1	43
70	Gram-Scale Synthesis of Hydrophilic PEI-Coated AgInS Quantum Dots and Its Application in Hydrogen Peroxide/Glucose Detection and Cell Imaging. <i>Inorganic Chemistry</i> , 2017 , 56, 6122-6130	5.1	36
69	Fluorometric aptamer assay for ochratoxin A based on the use of single walled carbon nanohorns and exonuclease III-aided amplification. <i>Mikrochimica Acta</i> , 2017 , 185, 27	5.8	27
68	High color rendering index warm white light emitting diodes fabricated from AgInS/ZnS quantum dot/PVA flexible hybrid films. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31634-31639	3.6	14
67	Tuning the Band Gap of Cu ₂ ZnSn(S,Se) ₄ Thin Films via Lithium Alloying. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5308-13	9.5	51
66	A general water-based precursor solution approach to deposit earth abundant Cu ₂ ZnSn(S,Se) ₄ thin film solar cells. <i>Journal of Power Sources</i> , 2016 , 313, 15-20	8.9	32
65	Room-temperature and gram-scale synthesis of CsPbX ₃ (X = Cl, Br, I) perovskite nanocrystals with 50-85% photoluminescence quantum yields. <i>Chemical Communications</i> , 2016 , 52, 7265-8	5.8	279

64	Large-scale synthesis of water-soluble CuInSe ₂ /ZnS and AgInSe ₂ /ZnS core/shell quantum dots. <i>Green Chemistry</i> , 2015 , 17, 4482-4488	10	59
63	Scaling up the Aqueous Synthesis of Visible Light Emitting Multinary AgInS ₂ /ZnS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7933-7940	3.8	50
62	Facile and Low-Cost Sodium-Doping Method for High-Efficiency Cu ₂ ZnSnSe ₄ Thin Film Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22797-22802	3.8	35
61	Temperature-dependent photoluminescence of cadmium-free Cu-Zn-In-S quantum dot thin films as temperature probes. <i>Dalton Transactions</i> , 2015 , 44, 20763-8	4.3	6
60	Warm White Light Emitting Diodes with Gelatin-Coated AgInS ₂ /ZnS Core/Shell Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27713-9	9.5	48
59	Significant enhancement in dielectric constant of polyimide thin films by doping zirconia nanocrystals. <i>Materials Letters</i> , 2015 , 148, 22-25	3.3	17
58	Luminescent LaF ₃ :Yb ³⁺ /Er ³⁺ crystals with self-assembling microstructures by a facile ionothermal process. <i>CrystEngComm</i> , 2014 , 16, 1056-1063	3.3	12
57	Full Color Emission in ZnGa ₂ O ₄ : Simultaneous Control of the Spherical Morphology, Luminescent, and Electric Properties via Hydrothermal Approach. <i>Advanced Functional Materials</i> , 2014 , 24, 6581-6593	15.6	57
56	Morphology control and multicolor up-conversion luminescence of GdOF:Yb ³⁺ /Er ³⁺ , Tm ³⁺ , Ho ³⁺ nano/submicrocrystals. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10779-87	3.6	29
55	Nanospheres: Full Color Emission in ZnGa ₂ O ₄ : Simultaneous Control of the Spherical Morphology, Luminescent, and Electric Properties via Hydrothermal Approach (Adv. Funct. Mater. 42/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 6566-6566	15.6	3
54	Lanthanide-doped hollow nanomaterials as theranostic agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014 , 6, 80-101	9.2	17
53	Gelatin-encapsulated iron oxide nanoparticles for platinum (IV) prodrug delivery, enzyme-stimulated release and MRI. <i>Biomaterials</i> , 2014 , 35, 6359-68	15.6	92
52	Multiwalled carbon nanotubes and NaYF ₄ :Yb ³⁺ /Er ³⁺ nanoparticle-doped bilayer hydrogel for concurrent NIR-triggered drug release and up-conversion luminescence tagging. <i>Langmuir</i> , 2013 , 29, 9573-80	4	61
51	Fabrication of hollow and porous structured GdVO ₄ :Dy ³⁺ nanospheres as anticancer drug carrier and MRI contrast agent. <i>Langmuir</i> , 2013 , 29, 1286-94	4	75
50	Highly uniform and monodisperse GdOF:Ln ³⁺ (Ln = Eu, Tb, Tm, Dy, Ho, Sm) microspheres: hydrothermal synthesis and tunable-luminescence properties. <i>Dalton Transactions</i> , 2013 , 42, 14140-8	4.3	50
49	Electrospun upconversion composite fibers as dual drugs delivery system with individual release properties. <i>Langmuir</i> , 2013 , 29, 9473-82	4	72
48	Multifunctional Up-Converting Nanocomposites with Smart Polymer Brushes Gated Mesopores for Cell Imaging and Thermo/pH Dual-Responsive Drug Controlled Release. <i>Advanced Functional Materials</i> , 2013 , 23, 4067-4078	15.6	183
47	Rapid, large-scale, morphology-controllable synthesis of YOF:Ln ³⁺ (Ln = Tb, Eu, Tm, Dy, Ho, Sm) nano-/microstructures with multicolor-tunable emission properties. <i>Inorganic Chemistry</i> , 2013 , 52, 12986-94	5.1	69

46	Drug Delivery: Multifunctional Up-Converting Nanocomposites with Smart Polymer Brushes Gated Mesopores for Cell Imaging and Thermo/pH Dual-Responsive Drug Controlled Release (Adv. Funct. Mater. 33/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 4062-4062	15.6	7
45	One-step synthesis of small-sized and water-soluble NaREF ₄ upconversion nanoparticles for in vitro cell imaging and drug delivery. <i>Chemistry - A European Journal</i> , 2013 , 19, 2685-94	4.8	48
44	Core-shell structured luminescent and mesoporous NaYF ₄ :Ce ³⁺ /Tb ³⁺ @mSiO ₂ -PEG nanospheres for anti-cancer drug delivery. <i>Dalton Transactions</i> , 2013 , 42, 9852-61	4.3	25
43	Poly(acrylic acid) modified lanthanide-doped GdVO ₄ hollow spheres for up-conversion cell imaging, MRI and pH-dependent drug release. <i>Nanoscale</i> , 2013 , 5, 253-61	7.7	88
42	Facile fabrication of water-soluble Ln ³⁺ -doped NaGdF ₄ nanocrystals (Ln=Ce, Tb, Eu, Dy) with multicolor luminescence and magnetic properties. <i>Materials Research Bulletin</i> , 2013 , 48, 2843-2849	5.1	21
41	Luminescence and energy transfer properties of Ca ₂ Ba ₃ (PO ₄) ₃ Cl and Ca ₂ Ba ₃ (PO ₄) ₃ Cl:A (A = Eu ²⁺ /Ce ³⁺ /Dy ³⁺ /Tb ³⁺) under UV and low-voltage electron beam excitation. <i>Inorganic Chemistry</i> , 2013 , 52, 3102-12	5.1	94
40	Luminescent GdVO ₄ :Eu ³⁺ functionalized mesoporous silica nanoparticles for magnetic resonance imaging and drug delivery. <i>Dalton Transactions</i> , 2013 , 42, 6523-30	4.3	45
39	Platinum (IV) pro-drug conjugated NaYF ₄ :Yb ³⁺ /Er ³⁺ nanoparticles for targeted drug delivery and up-conversion cell imaging. <i>Advanced Healthcare Materials</i> , 2013 , 2, 562-7	10.1	39
38	Drug Delivery: Platinum (IV) Pro-Drug Conjugated NaYF ₄ :Yb ³⁺ /Er ³⁺ Nanoparticles for Targeted Drug Delivery and Up-Conversion Cell Imaging (Adv. Healthcare Mater. 4/2013). <i>Advanced Healthcare Materials</i> , 2013 , 2, 514-514	10.1	3
37	Hollow structured upconversion luminescent NaYF ₄ :Yb ³⁺ , Er ³⁺ nanospheres for cell imaging and targeted anti-cancer drug delivery. <i>Biomaterials</i> , 2013 , 34, 1601-12	15.6	188
36	pH-responsive drug delivery system based on luminescent CaF ₂ :Ce ³⁺ /Tb ³⁺ -poly(acrylic acid) hybrid microspheres. <i>Biomaterials</i> , 2012 , 33, 2583-92	15.6	71
35	Up-conversion cell imaging and pH-induced thermally controlled drug release from NaYF ₄ :Yb ³⁺ /Er ³⁺ @hydrogel core-shell hybrid microspheres. <i>ACS Nano</i> , 2012 , 6, 3327-38	16.7	290
34	Luminescence properties of Mn ²⁺ -doped Li ₂ ZnGeO ₄ as an efficient green phosphor for field-emission displays with high color purity. <i>Dalton Transactions</i> , 2012 , 41, 8861-8	4.3	66
33	Blue Emitting Ca ₈ La ₂ (PO ₄) ₆ O ₂ :Ce ³⁺ /Eu ²⁺ Phosphors with High Color Purity and Brightness for White LED: Soft-Chemical Synthesis, Luminescence, and Energy Transfer Properties. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10222-10231	3.8	195
32	Luminescence and energy transfer properties of Ca ₈ Gd ₂ (PO ₄) ₆ O ₂ :A (A = Ce ³⁺ /Eu ²⁺ /Tb ³⁺ /Dy ³⁺ /Mn ²⁺) phosphors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19094		87
31	LaOF:Eu ³⁺ nanocrystals: hydrothermal synthesis, white and color-tuning emission properties. <i>Dalton Transactions</i> , 2012 , 41, 5571-80	4.3	60
30	Synthesis of Li _{1-x} NaxYF ₄ :Yb ³⁺ /Ln ³⁺ (0 ≤ x ≤ 0.3, Ln = Er, Tm, Ho) nanocrystals with multicolor up-conversion luminescence properties for in vitro cell imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20618		34
29	Electrospinning preparation and drug delivery properties of Eu ³⁺ /Tb ³⁺ doped mesoporous bioactive glass nanofibers. <i>Journal of Colloid and Interface Science</i> , 2012 , 387, 285-91	9.3	49

28	Doxorubicin conjugated NaYF ₄ :Yb(3+)/Tm(3+) nanoparticles for therapy and sensing of drug delivery by luminescence resonance energy transfer. <i>Biomaterials</i> , 2012 , 33, 8704-13	15.6	93
27	Room temperature synthesis of hydrophilic Ln(3+)-doped KGdF ₄ (Ln = Ce, Eu, Tb, Dy) nanoparticles with controllable size: energy transfer, size-dependent and color-tunable luminescence properties. <i>Nanoscale</i> , 2012 , 4, 3450-9	7.7	87
26	Hydrothermal derived LaOF:Ln ³⁺ (Ln = Eu, Tb, Sm, Dy, Tm, and/or Ho) nanocrystals with multicolor-tunable emission properties. <i>Inorganic Chemistry</i> , 2012 , 51, 11106-16	5.1	119
25	Design and Synthesis of Multifunctional Drug Carriers Based on Luminescent Rattle-Type Mesoporous Silica Microspheres with a Thermosensitive Hydrogel as a Controlled Switch. <i>Advanced Functional Materials</i> , 2012 , 22, 1470-1481	15.6	141
24	Drug Delivery: Design and Synthesis of Multifunctional Drug Carriers Based on Luminescent Rattle-Type Mesoporous Silica Microspheres with a Thermosensitive Hydrogel as a Controlled Switch (Adv. Funct. Mater. 7/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 1539-1539	15.6	4
23	(Zn, Mg) ₂ GeO ₄ :Mn ²⁺ submicrorods as promising green phosphors for field emission displays: hydrothermal synthesis and luminescence properties. <i>Dalton Transactions</i> , 2011 , 40, 9379-87	4.3	77
22	Facile synthesis of an up-conversion luminescent and mesoporous Gd ₂ O ₃ : Er ³⁺ @nSiO ₂ @mSiO ₂ nanocomposite as a drug carrier. <i>Nanoscale</i> , 2011 , 3, 661-7	7.7	81
21	Controllable and white upconversion luminescence in BaYF ₅ :Ln ³⁺ (Ln = Yb, Er, Tm) nanocrystals. <i>Journal of Materials Chemistry</i> , 2011 , 21, 717-723		141
20	Core-shell Structured Up-Conversion Luminescent and Mesoporous NaYF ₄ :Yb ³⁺ /Er ³⁺ @nSiO ₂ @mSiO ₂ Nanospheres as Carriers for Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15801-15811	3.8	140
19	Tunable luminescence and energy transfer properties of SrAlO ₃ :RE ³⁺ (RE = Tm/Tb, Eu, Ce) phosphors. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2738-46	9.5	143
18	Colloidal synthesis and remarkable enhancement of the upconversion luminescence of BaGdF ₅ :Yb ³⁺ /Er ³⁺ nanoparticles by active-shell modification. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5923		181
17	Size and shape controllable synthesis and luminescent properties of BaGdF ₅ :Ce ³⁺ /Ln ³⁺ (Ln = Sm, Dy, Eu, Tb) nano/submicrocrystals by a facile hydrothermal process. <i>Nanoscale</i> , 2011 , 3, 2589-95	7.7	81
16	Electrospinning-derived Tb ₂ (WO ₄) ₃ :Eu(3+) nanowires: energy transfer and tunable luminescence properties. <i>Nanoscale</i> , 2011 , 3, 1568-74	7.7	73
15	Preparation of luminescent and mesoporous Eu ³⁺ /Tb ³⁺ doped calcium silicate microspheres as drug carriers via a template route. <i>Dalton Transactions</i> , 2011 , 40, 1873-9	4.3	43
14	Rattle-type hollow CaWO ₄ :Tb(3+)@SiO ₂ nanocapsules as carriers for drug delivery. <i>Dalton Transactions</i> , 2011 , 40, 12818-25	4.3	40
13	The fabrication of one-dimensional Ca ₄ Y ₆ (SiO ₄) ₆ O: Ln ³⁺ (Ln=Eu, Tb) phosphors by electrospinning method and their luminescence properties. <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 89-95	9.3	19
12	Urchin-like GdPO ₄ and GdPO ₄ :Eu ³⁺ hollow spheres hydrothermal synthesis, luminescence and drug-delivery properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3686		92
11	Red Emitting Ca ₂ GeO ₄ :Eu ³⁺ Phosphors for Field Emission Displays. <i>Journal of the Electrochemical Society</i> , 2011 , 158, J125	3.9	19

10	Fabrication and Luminescence Properties of Ca ₂ RE ₈ (SiO ₄) ₆ O ₂ : Pb ²⁺ , Dy ³⁺ (RE = Y, Gd) One-dimensional Phosphors by Electrospinning Method. <i>Journal of the Electrochemical Society</i> , 2011 , 158, J208	3.9	8
9	Synthesis and Luminescent Properties of Li ₃ Ba ₂ Y ₃ (MoO ₄) ₈ :Ln ³⁺ (Ln = Eu, Tb, Dy) Phosphors for UV-LEDs. <i>Journal of the Electrochemical Society</i> , 2011 , 158, H565	3.9	23
8	Eu ³⁺ /Tb ³⁺ -doped La ₂ O ₂ CO ₃ /La ₂ O ₃ nano/microcrystals with multiform morphologies: facile synthesis, growth mechanism, and luminescence properties. <i>Inorganic Chemistry</i> , 2010 , 49, 10522-35	5.1	104
7	Ln(3+) (Ln = Eu, Dy, Sm, and Er) ion-doped YVO ₄ nano/microcrystals with multiform morphologies: hydrothermal synthesis, growing mechanism, and luminescent properties. <i>Inorganic Chemistry</i> , 2010 , 49, 6706-15	5.1	219
6	Tunable luminescence in Ce ³⁺ , Mn ²⁺ -codoped calcium fluorapatite through combining emissions and modulation of excitation: a novel strategy to white light emission. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6674		119
5	Synthesis of a Multifunctional Nanocomposite with Magnetic, Mesoporous, and Near-IR Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16343-16350	3.8	63
4	Self-templated and self-assembled synthesis of nano/microstructures of Gd-based rare-earth compounds: morphology control, magnetic and luminescence properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11315-24	3.6	41
3	In situ preparation and luminescent properties of LaPO ₄ :Ce ³⁺ , Tb ³⁺ nanoparticles and transparent LaPO ₄ :Ce ³⁺ , Tb ³⁺ /PMMA nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 46-50	9.3	43
2	A magnetic, luminescent and mesoporous core-shell structured composite material as drug carrier. <i>Biomaterials</i> , 2009 , 30, 4786-95	15.6	326
1	Bioactive, luminescent and mesoporous europium-doped hydroxyapatite as a drug carrier. <i>Biomaterials</i> , 2008 , 29, 4341-7	15.6	298