Xiping Jing

List of Publications by Year in descending order

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85 papers	2,740 citations	185998 28 h-index	189595 50 g-index
87 all docs	87 docs citations	87 times ranked	3049 citing authors

#	Article	IF	Citations
1	Molecular interactions and functionalities of an organic additive in a perovskite semiconducting device: a case study towards high performance solar cells. Journal of Materials Chemistry A, 2022, 10, 2876-2887.	5.2	14
2	Tuning Molecular Interaction in Polymer Solar Cells via a Multifunctional Discotic Component to Enhance Photovoltaic Response. Solar Rrl, 2022, 6, .	3.1	0
3	Dipole-Orientation-Dependent FÃ¶rster Resonance Energy Transfer from Aromatic Head Groups to MnBr₄^{2â€“} Blocks in Organicâ€“Inorganic Hybrids. Journal of Physical Chemistry Letters, 2021, 12, 8692-8698.	2.1	21
4	Structural design enables highly-efficient green emission with preferable blue light excitation from zero-dimensional manganese (II) hybrids. Chemical Engineering Journal, 2021, 421, 129886.	6.6	56
5	Perovskite Solar Cells: Exploring Electron Transporting Layer in Combination with a Polyelectrolyte for nâ€iâ€p Perovskite Solar Cells (Adv. Mater. Interfaces 17/2020). Advanced Materials Interfaces, 2020, 7, 2070094.	1.9	0
6	Exploring Electron Transporting Layer in Combination with a Polyelectrolyte for nâ€iâ€p Perovskite Solar Cells. Advanced Materials Interfaces, 2020, 7, 2000412.	1.9	13
7	Structural modulation induced intensity enhancement of full color spectra: a case of Ba₃ZnTa_{2â^'x}Nb_xO₉:Eu³⁺ phosphors. Journal of Materials Chemistry C, 2020, 8, 6715-6723.	2.7	15
8	Additional Organicâ€Solventâ€Rinsing Process to Enhance Perovskite Photovoltaic Performance. Advanced Electronic Materials, 2019, 5, 1900244.	2.6	10
9	Exploring alkylthiol additives in PBDB-T:ITIC blended active layers for solar cell applications*. Chinese Physics B, 2019, 28, 088802.	0.7	3
10	Perovskite Solar Cells: Additional Organicâ€Solventâ€Rinsing Process to Enhance Perovskite Photovoltaic Performance (Adv. Electron. Mater. 10/2019). Advanced Electronic Materials, 2019, 5, 1970053.	2.6	1
11	Lithium Compounds: Reduced Local Symmetry in Lithium Compound Li₂SrSiO₄ Distinguished by an Eu³⁺ Spectroscopy Probe (Adv. Sci. 16/2019). Advanced Science, 2019, 6, 1970096.	5.6	0
12	Eu³⁺-Activated Sr₃ZnTa₂O₉ single-component white light phosphors: emission intensity enhancement and color rendering improvement. Journal of Materials Chemistry C, 2019, 7, 2596-2603.	2.7	63
13	Preparation of 1D ultrathin niobate nanobelts by liquid exfoliation as photocatalysts for hydrogen generation. Chemical Communications, 2019, 55, 2417-2420.	2.2	6
14	Reduced Local Symmetry in Lithium Compound Li₂SrSiO₄ Distinguished by an Eu³⁺ Spectroscopy Probe. Advanced Science, 2019, 6, 1802126.	5.6	20
15	Broad-band emission of A₃Bâ€²Bâ€²â€²₂O₉ complex perovskites (A = Ba, Sr;) Tj ETQq1 1 0.7 Chemistry C, 2018, 6, 12566-12574.	2.7	11
16	Tailoring a dynamic crystalline process during the conversion of lead-halide perovskite layer to achieve high performance solar cells. Journal of Materials Chemistry A, 2018, 6, 24793-24804.	5.2	24
17	Exploring photophysical processes in a ternary-blended polymer solar cell. Polymer, 2018, 153, 398-407.	1.8	9
18	High-Dielectric-Permittivity Layered Nitride CaTiN₂. Chemistry of Materials, 2017, 29, 1989-1993.	3.2	18

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19	Preparation and Luminescence Properties of Ca0.8â€“xSr0.2F2:xEu2+ Blue Light Conversion Agents. Science of Advanced Materials, 2017, 9, 519-522.	0.1	0
20	Tailored Nearâ€Infrared Photoemission in Fluoride Perovskites through Activator Aggregation and Superâ€Exchange between Divalent Manganese Ions. Advanced Science, 2015, 2, 1500089.	5.6	86
21	Photoluminescence: Tailored Near-Infrared Photoemission in Fluoride Perovskites through Activator Aggregation and Super-Exchange between Divalent Manganese Ions (Adv. Sci. 7/2015). Advanced Science, 2015, 2, .	5.6	1
22	A convenient one-step reaction leading to a key discotic intermediate: mono-hydroxy-triphenylene at multi-gram scale. Tetrahedron Letters, 2015, 56, 700-705.	0.7	10
23	Anomalously large interface charge in polarity-switchable photovoltaic devices: an indication of mobile ions in organicâ€“inorganic halide perovskites. Energy and Environmental Science, 2015, 8, 1256-1260.	15.6	202
24	Li/Ag ratio dependent structure and upconversion photoluminescence of Li_xAg_{1â^'x}Yb_{0.99}(MoO₄)₂:0.01Er³⁺ phosphors. Physical Chemistry Chemical Physics, 2015, 17, 3689-3696.	4.5	39
25	A Ï€-Extended Donorâ€“Acceptorâ€“Donor Triphenylene Twin Linked via a Pyrazine Bridge. Organic Letters, 2015, 17, 3286-3289.	2.4	17
26	Tailored upconversion emission of Eu3+ in Sr2Ca(W,Mo)O6:Yb3+,Eu3+ by a laser via an electronic polarization mechanism. Journal of Materials Chemistry C, 2015, 3, 4997-5003.	2.7	12
27	A luminescent Zr-based metalâ€“organic framework for sensing/capture of nitrobenzene and high-pressure separation of CH₄/C₂H₆. Journal of Materials Chemistry A, 2015, 3, 23493-23500.	5.2	22
28	Effects of composition modulation on the luminescence properties of Eu³⁺ doped Li_{1â^'x}Ag_xLu(MoO₄)₂ solid-solution phosphors. Dalton Transactions, 2015, 44, 18078-18089.	1.6	54
29	Nanometer-scale separation of d10 Zn2+-layers and twinâ€“shift competition in Ba8ZnNb6O24-based 8-layered hexagonal perovskites. Dalton Transactions, 2015, 44, 13173-13185.	1.6	17
30	Influence of synthetic temperature and heating time on the luminescence behavior of M5(PO4)3Cl:Eu2+,Mn2+ (M=Ca, Sr) phosphors. Journal of Rare Earths, 2015, 33, 1129-1136.	2.5	8
31	XRD and Raman study on crystal structures and dielectric properties of Ba[Mg(1â^'x)/3ZrxNb2(1â^'x)/3]O3 solid solutions. Ceramics International, 2014, 40, 2427-2434.	2.3	27
32	Gd3B(W,Mo)O9: Eu3+ red phosphor: From structure design to photoluminescence behavior and near-UV white-LEDs performance. Journal of Alloys and Compounds, 2014, 610, 402-408.	2.8	44
33	X-ray diffraction and Raman scattering investigations on Ba[Mg(1â^'x)/3ZrxTa2(1â^'x)/3]O3 solid solutions. Journal of Alloys and Compounds, 2014, 587, 717-723.	2.8	30
34	Effects of CaTiO3 on crystal structures and dielectric properties of Ba(Zn1/3Nb2/3)O3 ceramics via X-ray diffraction and Raman spectroscopy. Journal of Materials Science: Materials in Electronics, 2014, 25, 3403-3411.	1.1	8
35	Solid-State ²⁹Si NMR and Neutron-Diffraction Studies of Sr_{0.7}K_{0.3}SiO_{2.85} Oxide Ion Conductors. Inorganic Chemistry, 2014, 53, 6962-6968.	1.9	25
36	Host composition dependent tunable multicolor emission in the single-phase Ba2(Ln1â^'zTbz)(BO3)2Cl:Eu phosphors. Dalton Transactions, 2013, 42, 6327.	1.6	94

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37	A Mesogenic Triphenyleneâ^'Peryleneâ^'Triphenylene Triad. Organic Letters, 2011, 13, 764-767.	2.4	71
38	Synthesis, Structure, and Thermally Stable Luminescence of Eu²⁺-Doped Ba₂Ln(BO₃)₂Cl (Ln = Y, Gd and Lu) Host Compounds. Inorganic Chemistry, 2011, 50, 10134-10142.	1.9	289
39	Improved synthesis of monohydroxytriphenylenes (MHTs)â€"important precursors to discotic liquid crystal families. Tetrahedron Letters, 2011, 52, 77-79.	0.7	21
40	A DIONE APPROACH TO MODIFY THE OPTICAL AND MESOPHASE PROPERTIES OF DISCOTIC TRIPHENYLENE DERIVATIVES. Functional Materials Letters, 2011, 04, 345-349.	0.7	0
41	Homeotropic alignment through charge-transfer-induced columnar mesophase formation in an unsymmetrically substituted triphenylene derivative. Pure and Applied Chemistry, 2010, 82, 1993-2003.	0.9	21
42	Exploring Reversible Quenching of Fluorescence from a Pyrazolo[3,4â€b]quinoline Derivative by Protonation. ChemPhysChem, 2010, 11, 2623-2629.	1.0	9
43	Y2SiO5:Ce3+ particle growth during sol-gel preparation. Journal of Rare Earths, 2010, 28, 504-508.	2.5	13
44	Synthesis and light-emitting properties of 2-(N-phenyl-Î±-naphthylamino) and 2-dimesitylboron-7-(N-phenyl-Î±-naphthylamino)-9,9-diethylfluorene. Science in China Series B: Chemistry, 2009, 52, 952-960.	0.8	12
45	Preparation of La3+ and Gd3+ doped Y2SiO5:Ce phosphors by the MS&Sol-gel method. Optical Materials, 2009, 31, 1123-1127.	1.7	2
46	Luminescence of Native Defects in MgGa[sub 2]O[sub 4]. Journal of the Electrochemical Society, 2009, 156, H43.	1.3	17
47	Luminescence enhancement of BaMgSiO4:Eu2+ by adding borate as flux. Journal of Rare Earths, 2008, 26, 26-30.	2.5	8
48	Luminescent properties of amorphous phosphor 1.4Y2O3Â·2.5Al2O3Â·0.1Tb2O3 prepared by sol-gel method. Journal of Rare Earths, 2008, 26, 35-39.	2.5	7
49	A Color Stable Blue Light-Emitting Device Using a Pyrazolo[3,4-b]Quinoline Derivative as an Emitter. IEEE Photonics Technology Letters, 2008, 20, 1781-1783.	1.3	14
50	Photochemical and Photophysical Properties of Three Carbon-Bridged Fullerene Dimers:â€‰ C121 (I, II, III). Journal of Physical Chemistry B, 2007, 111, 6344-6348.	1.2	11
51	Effects of O[sub 2] Partial Pressure and Ga Atmosphere on the Luminescence of Native Defects in Î²â€"Ga[sub 2]O[sub 3] Phosphor. Journal of the Electrochemical Society, 2007, 154, H440.	1.3	17
52	Luminescence of Native Defects in Zn[sub 2]GeO[sub 4]. Journal of the Electrochemical Society, 2007, 154, H500.	1.3	151
53	Influence of rare earth elements (Sc, La, Gd and Lu) on the luminescent properties of green phosphor Y2SiO5:Ce,Tb. Optical Materials, 2007, 29, 1023-1028.	1.7	30
54	Melting salt assisted solâ€"gel synthesis of blue phosphor Y2SiO5:Ce. Journal of the European Ceramic Society, 2007, 27, 185-189.	2.8	36

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55	Morphology of Gd3+- doped Y2SiO5:Ce. Journal of Luminescence, 2007, 122-123, 113-116.	1.5	20
56	Electrical properties and positron annihilation study of (Ba1â^'x Ho x)TiO3 ceramics. Journal of Materials Science, 2007, 42, 7109-7115.	1.7	4
57	The Relationships between UV Emission and Green Emission in ZnO Phosphor. Acta Physico-chimica Sinica, 2006, 22, 1383-1387.	0.6	6
58	Dielectric Loss Spectrum of Ceramic MgTiO3 Investigated by AC Impedance and Microwave Resonator Measurements. Journal of the American Ceramic Society, 2006, 89, 241-246.	1.9	41
59	Influence of fluoride on fâ€“f transitions of Eu3+ in LiEuM2O8 (M=Mo, W). Journal of Luminescence, 2006, 121, 57-61.	1.5	126
60	Effects of Low-Pressure O[sub 2] and Zn Atmosphere on the Green Emission of ZnO Phosphor. Journal of the Electrochemical Society, 2006, 153, G1035.	1.3	8
61	Photoluminescent Properties of Phosphors in the System Ca[sub x]Cd[sub 1â^'x]MoO[sub 4]:Eu[sup 3+],â€,Li[sup +]. Journal of the Electrochemical Society, 2005, 152, G534.	1.3	21
62	Ca[sub 1â^'2x]Eu[sub x]Li[sub x]MoO[sub 4]: A Novel Red Phosphor for Solid-State Lighting Based on a GaN LED. Journal of the Electrochemical Society, 2005, 152, G186.	1.3	102
63	Phase Equilibrium of the In2O3â^'TiO2â^'MO (M = Ca, Sr) Systems and the Structure of In6Ti6CaO22. Chemistry of Materials, 2005, 17, 2186-2192.	3.2	11
64	Cathodoluminescence of Eu[sup 3+], Tb[sup 3+], and Tb[sup 3+]-Eu[sup 3+] Pair-Activated Zn[sub 3]Ta[sub 2]O[sub 8]. Journal of the Electrochemical Society, 2004, 151, H49.	1.3	12
65	Influence of Rare Earth Sc and La to the Luminescent Properties of FED Blue Phosphor Y[sub 2]SiO[sub 5]:Ce. Journal of the Electrochemical Society, 2004, 151, J39.	1.3	36
66	Luminescent and structural properties of the series Ba6â^'xEuxTi2+xTa8â^'xO30 and Ba4â^'yKyEu2Ti4â^'yTa6+yO30. Journal of Solid State Chemistry, 2004, 177, 875-882.	1.4	7
67	Influence of Rare Earth Sc and La to the Luminescent Properties of FED Blue Phosphor Y2SiO5:Ce.. ChemInform, 2004, 35, no.	0.1	1
68	The structural and electric properties of the perovskite system BaTiO3â€“Ba(Fe1/2Ta1/2)O3. Journal of Solid State Chemistry, 2004, 177, 1695-1703.	1.4	67
69	Luminescent properties of Eu3+, Tb3+ or Bi3+ activated yttrium germanates. Materials Research Bulletin, 2003, 38, 931-940.	2.7	37
70	A New Hexagonal 12-Layer Perovskite-Related Structure: Ba6Ln2Ti4O17(Ln: Nd and Y).. ChemInform, 2003, 34, no-no.	0.1	0
71	New Phases of Ln3GaO6 (Ln: Rare Earth Elements) and Their Luminescent Properties.. ChemInform, 2003, 34, no.	0.1	0
72	Luminescent Properties of Eu3+ and Tb3+ Activated Zn3Ta2O8.. ChemInform, 2003, 34, no.	0.1	0

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73	Novel phosphors of Eu3+, Tb3+ or Bi3+ activated Gd2GeO5. Journal of Luminescence, 2003, 105, 61-67.	1.5	83
74	Luminescent Properties of Eu[sup 3+] and Tb[sup 3+] Activated Zn[sub 3]Ta[sub 2]O[sub 8]. Journal of the Electrochemical Society, 2003, 150, H220.	1.3	104
75	New Phases of R[sub 3]GaO[sub 6] (R=Rare Earth Elements) and Their Luminescent Properties. Journal of the Electrochemical Society, 2003, 150, H201.	1.3	11
76	A New Hexagonal 12-Layer Perovskite-Related Structure:â€‰ Ba6R2Ti4O17 (R = Nd and Y). Chemistry of Materials, 2002, 14, 4359-4363.	3.2	35
77	A powder X-ray diffraction refinement of the BaNd2Ti3O10 structure. Materials Research Bulletin, 2002, 37, 1755-1761.	2.7	9
78	Structure and Conductivity of Perovskites Sr1â^'xLaxTi1â^'xCrxO3. Journal of Solid State Chemistry, 2002, 165, 381-392.	1.4	19
79	Preparation and X-ray characterization of low-temperature phases of R2SiO5 (R = rare earth elements). Materials Research Bulletin, 2001, 36, 1855-1861.	2.7	90
80	The composition, luminescence, and structure of Sr8[Si4O12]Cl8:Eu2+. Materials Research Bulletin, 2001, 36, 2051-2057.	2.7	31
81	Influence of Rare Earth Elements (Sc, La, Gd, and Lu) to the Luminescent Properties of FED Blue Phosphor Y[sub 2]SiO[sub 5]:Ce. Journal of the Electrochemical Society, 2001, 148, H61.	1.3	36
82	Blue luminescence in yttrium and gadolinium niobates caused by bismuth. The importance of nonâ€bonding ns2 valence orbital electrons. Journal of Materials Chemistry, 1999, 9, 2913-2918.	6.7	30
83	Submicron-sized spherical yttrium oxide based phosphors prepared by supercritical CO2-assisted aerosolization and pyrolysis. Applied Physics Letters, 1997, 71, 1643-1645.	1.5	56
84	Barium Neodymium Titanate Electroceramics: Phase Equilibria Studies of Ba6-3xNd8+2xTi18O54 Solid Solution. Journal of the American Ceramic Society, 1996, 79, 1605-1610.	1.9	27
85	Tuning Molecular Interaction in Polymer Solar Cells via a Multifunctional Discotic Component to Enhance Photovoltaic Response. Solar Rrl, 0, , 2200101.	3.1	1