

Jian-Ce Jin

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

881
citations

516710

16
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

264
citing authors

#	ARTICLE	IF	CITATIONS
1	Seed-Induced Cold Sintering Toward Metal Halide Transparent Ceramic Scintillators. <i>Advanced Materials</i> , 2022, 34, e2110420.	21.0	108
2	Bright Green Emission from Self-Trapped Excitons Triggered by Sb ³⁺ Doping in Rb ₄ CdCl ₆ . <i>Chemistry of Materials</i> , 2022, 34, 5717-5725.	6.7	72
3	Zero-Dimensional Luminescent Metal Halide Hybrids Enabling Bulk Transparent Medium as Large-Area X-Ray Scintillators. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	67
4	Multimode dynamic luminescent switching of lead halide hybrids for anti-counterfeiting and encryption. <i>Chemical Engineering Journal</i> , 2021, 424, 130544.	12.7	57
5	Crystalline-Phase-Recognition-Induced Domino Phase Transition and Luminescence Switching for Advanced Information Encryption. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23373-23379.	13.8	55
6	Highly selective cesium(I) capture under acidic conditions by a layered sulfide. <i>Nature Communications</i> , 2022, 13, 658.	12.8	48
7	Zero-Dimensional Organic Copper(I) Iodide Hybrid with High Anti-Water Stability for Blue-Light-Excitable Solid-State Lighting. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	48
8	Phase transitions and photoluminescence switching in hybrid antimony(III) and bismuth(III) halides. <i>CrystEngComm</i> , 2020, 22, 3395-3405.	2.6	40
9	Photoluminescent ionic metal halides based on s ₂ typed ions and aprotic ionic liquid cations. <i>Coordination Chemistry Reviews</i> , 2021, 448, 214185.	18.8	39
10	Co-luminescence in a zero-dimensional organic-inorganic hybrid antimony halide with multiple coordination units. <i>Dalton Transactions</i> , 2021, 50, 3586-3592.	3.3	38
11	Highly Selective Recovery of Lanthanides by Using a Layered Vanadate with Acid and Radiation Resistance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1878-1883.	13.8	31
12	Selective Luminescence Response of a Zero-Dimensional Hybrid Antimony(III) Halide to Solvent Molecules: Size-Effect and Supramolecular Interactions. <i>Inorganic Chemistry</i> , 2021, 60, 17837-17845.	4.0	30
13	Layered Thiostannates with Distinct Arrangements of Mixed Cations for the Selective Capture of Cs ⁺ , Sr ²⁺ , and Eu ³⁺ Ions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10191-10201.	8.0	28
14	Long lifetime phosphorescence and X-ray scintillation of chlorobismuthate hybrids incorporating ionic liquid cations. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1814-1821.	5.5	27
15	Modulation of the Structure and Photoluminescence of Bismuth(III) Chloride Hybrids by Altering the Ionic-Liquid Cations. <i>Inorganic Chemistry</i> , 2020, 59, 13465-13472.	4.0	21
16	Efficient Removal of Cs ⁺ and Sr ²⁺ Ions by Granulous (Me ₂ NH) _{4/3} (Me ₃ NH) _{2/3} Sn ₃ S ₇ ·1.25H ₂ O Composite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13434-13442.	12.7	21
17	Unveiling White Light Emission of a One-Dimensional Cu(I)-Based Organometallic Halide toward Single-Phase Light-Emitting Diode Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12345-12351.	4.6	17
18	Enhancing photocatalytic H ₂ evolution on In ₂ S ₃ /mesoporous TiO ₂ nanocomposites via one-pot microwave-assisted synthesis using an ionic liquid. <i>Nanoscale</i> , 2020, 12, 12336-12345.	5.6	15

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19	Nearly one-fold enhancement in photoluminescence quantum yield for isostructural zero-dimensional hybrid antimony(III) bromides by supramolecular interaction adjustments. Dalton Transactions, 2022, 51, 4919-4926.	3.3	15
20	A deep-red-emission antimony(III) chloride with dual-cations: extremely large Stokes shift due to high [SbCl ₆] distortion. Chemical Communications, 2021, 57, 13784-13787.	4.1	13
21	Rapid and Selective Uptake of Cs ⁺ and Sr ²⁺ Ions by a Layered Thiostannate with Acid-Base and Irradiation Resistances. ACS ES&T Water, 2021, 1, 2440-2449.	4.6	12
22	The Uptake of Hazardous Metal Ions into a High-Nuclearity Cluster-Based Compound with Structural Transformation and Proton Conduction. ACS Applied Materials & Interfaces, 2020, 12, 26222-26231.	8.0	11
23	Robust and Flexible Thioantimonate Materials for Cs ⁺ Remediation with Distinctive Structural Transformation: A Clear Insight into the Ion-Exchange Mechanism. ACS Applied Materials & Interfaces, 2021, 13, 5275-5283.	8.0	11
24	Proton-conducting layered structures based on transition metal oxo-clusters supported by Sb(III) tartrate scaffolds. Dalton Transactions, 2020, 49, 3849-3855.	3.3	10
25	[Bmmim] ₆ [In ₁₀ Se ₁₆ Cl ₄] ⁺ ·(MIm) ₂ : an organic-ligand free discrete T3 cluster for efficient hydrogen evolution under visible light irradiation. Dalton Transactions, 2020, 49, 5020-5023.	3.3	10
26	X-ray scintillation and photoluminescence of isomorphous ionic bismuth halides with [Amim] ⁺ or [Ammim] ⁺ cations. Inorganic Chemistry Frontiers, 2021, 8, 4474-4481.	6.0	10
27	2,2'-Bipyridyl-1,1'-dioxide based bismuth(III) bromide hybrids: studies on crystal structure and luminescence. CrystEngComm, 2021, 23, 3744-3752.	2.6	9
28	Crystalline-Phase-Recognition-Induced Domino Phase Transition and Luminescence Switching for Advanced Information Encryption. Angewandte Chemie, 2021, 133, 23561.	2.0	8
29	Ionic indium(III) chloride hybrids incorporating a 2,2'-bipyrimidine ligand: studies on photoluminescence and structural transformation. Dalton Transactions, 2021, 50, 16406-16413.	3.3	6
30	Highly Selective Recovery of Lanthanides by Using a Layered Vanadate with Acid and Radiation Resistance. Angewandte Chemie, 2020, 132, 1894-1899.	2.0	3
31	Towards new cesium containing manganese vanadates via a precursor method. CrystEngComm, 2021, 23, 6909-6914.	2.6	0