Xiao-Wu Lei

List of Publications by Citations

50 papers	1,059 citations	20 h-index	31 g-index
56 ext. papers	1,367 ext. citations	5 avg, IF	4.39 L-index

#	Paper	IF	Citations
50	Two Types of 2D Layered Iodoargentates Based on Trimeric [Ag3I7] Secondary Building Units and Hexameric [Ag6I12] Ternary Building Units: Syntheses, Crystal Structures, and Efficient Visible Light Responding Photocatalytic Properties. *Inorganic Chemistry*, **2015**, 54, 10593-603	5.1	83
49	Syntheses, crystal structures and photocatalytic properties of four hybrid iodoargentates with zero- and two-dimensional structures. *CrystEngComm*, **2016**, 18, 427-436	3.3	62
48	Low-Dimensional Hybrid Cuprous Halides Directed by Transition Metal Complex: Syntheses, Crystal Structures, and Photocatalytic Properties. *Crystal Growth and Design*, **2015**, 15, 5416-5426	3.5	60
47	Syntheses, Crystal Structures, and Photocatalytic Properties of a Series of Mercury Thioantimonates Directed by Transition Metal Complexes. *Crystal Growth and Design*, **2014**, 14, 2411-2421	3.5	59
46	Transition-Metal-Complex Cationic Dyes Photosensitive to Two Types of 2D Layered Silver Bromides with Visible-Light-Driven Photocatalytic Properties. *Inorganic Chemistry*, **2016**, 55, 12193-12203	5.1	54
45	Novel Three-Dimensional Semiconducting Materials Based on Hybrid d Transition Metal Halogenides as Visible Light-Driven Photocatalysts. *Inorganic Chemistry*, **2017**, 56, 10962-10970	5.1	52
44	[TM(en)3][SnSb4S9] (TM = Ni, Co): 3D Chiral Framework of Mixed Main-Group Metals and [Mn(dien)2]2Sb4S9: 1D Chains with Mixed-Valent Sb Centers. *Crystal Growth and Design*, **2014**, 14, 101-109	3.5	45
43	Novel 3D Semiconducting Open-Frameworks based on Cuprous Bromides with Visible Light Driven Photocatalytic Properties. *Chemistry - A European Journal*, **2017**, 23, 14547-14553	4.8	44
42	Transition metal complex directed lead bromides with tunable structures and visible light driven photocatalytic properties. *Dalton Transactions*, **2016**, 45, 19389-19398	4.3	42
41	Di-pyridyl organic cation directed hybrid cuprous halogenides: syntheses, crystal structures and photochromism and photocatalysis. *Dalton Transactions*, **2017**, 46, 4209-4217	4.3	40
40	[Mn2Ga4Sn4S20](8-) T3 supertetrahedral nanocluster directed by a series of transition metal complexes. *Dalton Transactions*, **2015**, 44, 2416-24	4.3	34
39	Organic-Inorganic Hybrid Heterometallic Halides with Low-Dimensional Structures and Red Photoluminescence Emissions. *Inorganic Chemistry*, **2019**, 58, 10304-10312	5.1	32
38	Transition metal complex dye-sensitized 3D iodoplumbates: syntheses, structures and photoelectric properties. *Chemical Communications*, **2019**, 55, 6874-6877	5.8	30
37	Syntheses, Crystal Structures, and Photocatalytic Properties of Polymeric Iodoargentates [TM(2,2-bipy)3]Ag3I5 (TM = Mn, Fe, Co, Ni, Zn). *European Journal of Inorganic Chemistry*, **2015**, 2015, 4412-4419	2.3	29
36	[Mn(dien)2]MnSnS4, [Mn(1,2-dap)]2Sn2S6 and [Mn(en)2]MnGeS4: from 1D anionic and neutral chains to 3D neutral frameworks. *CrystEngComm*, **2015**, 17, 814-823	3.3	28
35	Large Conjugated Organic Cations Sensitized Hybrid Lead Halides as Visible Light Driven Photocatalysts. *Crystal Growth and Design*, **2019**, 19, 4564-4570	3.5	27
34	Three-Dimensional Cuprous Lead Bromide Framework with Highly Efficient and Stable Blue Photoluminescence Emission. *Angewandte Chemie - International Edition*, **2020**, 59, 16465-16469	16.4	26

33	Comparison studies of hybrid lead halide [MPbX] (M = Cu, Ag; X = Br, I) chains: band structures and visible light driven photocatalytic properties. *Dalton Transactions*, **2017**, 46, 9235-9244	4.3	25
32	Organic cation directed hybrid lead halides of zero-dimensional to two-dimensional structures with tunable photoluminescence properties. *Inorganic Chemistry Frontiers*, **2019**, 6, 2709-2717	6.8	24
31	One-Dimensional Face-Shared Perovskites with Broad-Band Bluish White-Light Emissions. *Inorganic Chemistry*, **2020**, 59, 14085-14092	5.1	24
30	Broadband White-Light Emission in One-Dimensional Organic-Inorganic Hybrid Silver Halide. *Inorganic Chemistry*, **2020**, 59, 4311-4319	5.1	20
29	A zero-dimensional hybrid lead perovskite with highly efficient blue-violet light emission. *Journal of Materials Chemistry C*, **2020**, 8, 11890-11895	7.1	20
28	Two manganese□mine complexes incorporating thioantimonates and exhibiting diversiform roles of amine ligands. *CrystEngComm*, **2014**, 16, 3424-3430	3.3	19
27	Structural Dimensionality Modulation toward Enhanced Photoluminescence Efficiencies of Hybrid Lead-Free Antimony Halides. *Advanced Optical Materials*, **2021**, 9, 2100556	8.1	18
26	Synthesis, structure and bonding, optical properties of Ba□MTrQ□(M=Cu, Ag; Tr=Ga, In; Q=S, Se). *Chemistry - an Asian Journal*, **2014**, 9, 1123-31	4.5	13
25	A three-dimensional cuprous lead bromide framework with highly efficient and stable thermochromic luminescence properties. *Chemical Communications*, **2020**, 56, 5925-5928	5.8	13
24	Combining Dual-Light Emissions to Achieve Efficient Broadband Yellowish-Green Luminescence in One-Dimensional Hybrid Lead Halides. *Inorganic Chemistry*, **2021**, 60, 1491-1498	5.1	12
23	Organic cation directed one-dimensional cuprous halide compounds: syntheses, crystal structures and photoluminescence properties. *Dalton Transactions*, **2019**, 48, 10151-10159	4.3	11
22	Eu3Co2In15 and KM2In9 (M = Co, Ni): 3D frameworks based on transition metal centered In9 clusters. *Inorganic Chemistry*, **2009**, 48, 2526-33	5.1	11
21	Solvent-free mechanochemical syntheses of microscale lead-free hybrid manganese halides as efficient green light phosphors. *Journal of Materials Chemistry C*, **2021**, 9, 9952-9961	7.1	11
20	Lead chlorine cluster assembled one-dimensional halide with highly efficient broadband white-light emission. *Chemical Communications*, **2021**, 57, 1218-1221	5.8	11
19	Improving Broadband White-Light Emission Performances of 2D Perovskites by Subtly Regulating Organic Cations. *Chemistry - A European Journal*, **2020**, 26, 10307-10313	4.8	10
18	Enhancement of the photoluminescence efficiency of hybrid manganese halides through rational structural design. *Chemical Communications*, **2021**, 57, 6907-6910	5.8	8
17	K13CoSn17□ (x = 0.1): A New Ternary Phase Containing □Cobalt Centered [Sn9] Cluster Synthesized via High-Temperature Reaction. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2013**, 639, 911-917	1.3	7
16	Zero-Dimensional Hybrid Cd-Based Perovskites with Broadband Bluish White-Light Emissions. *Chemistry - an Asian Journal*, **2020**, 15, 3050-3058	4.5	7

15	Crystal and Electronic Structures and Magnetic Properties of Eu3Tt2As4 (Tt = Si, Ge). *European Journal of Inorganic Chemistry*, **2014**, 2014, 2248-2253	2.3	6
14	Highly emissive zero-dimensional antimony halide for anti-counterfeiting and confidential information encryption-decryption. *Chemical Engineering Journal*, **2022**, 431, 134336	14.7	6
13	Systematic Approach of One-Dimensional Lead Perovskites with Face-Sharing Connectivity to Realize Efficient and Tunable Broadband Light Emission. *Journal of Physical Chemistry C*, **2021**, 125, 10850-10859	3.8	6
12	Ultrapure green light emission in one-dimensional hybrid lead perovskites: achieving recommendation 2020 standard. *Journal of Materials Chemistry C*,	7.1	6
11	Organic cations directed 1D [Pb3Br10]4− chains: syntheses, crystal structures, and photoluminescence properties. *CrystEngComm*, **2021**, 23, 292-298	3.3	5
10	A Zero-Dimensional Hybrid Cadmium Perovskite with Highly Efficient Orange-Red Light Emission. *Inorganic Chemistry*, **2021**,	5.1	3
9	Three-Dimensional Cuprous Iodide Framework with Intrinsic Broadband Red-to-Near-Infrared Light Emission. *Inorganic Chemistry*, **2021**, 60, 16906-16910	5.1	2
8	Applications of halide perovskites in X-ray detection and imaging. *CrystEngComm*, **2022**, 24, 2201-2212	3.3	2
7	Crystal rigidifying strategy toward hybrid cadmium halide to achieve highly efficient and narrowband blue light emission. *Materials Today Chemistry*, **2022**, 24, 100766	6.2	1
6	Bulk Mn2+ Doped 1D Hybrid Lead Halide Perovskite with Highly Efficient, Tunable and Stable Broadband Light Emissions. *Chemistry - A European Journal*, **2021**,	4.8	1
5	Tetrameric cluster assembled one-dimensional hybrid lead halides with broadband light emission. *CrystEngComm*, **2020**, 22, 8208-8213	3.3	1
4	Ultrastable 0D Organic Zinc Halides with Highly Efficient Blue Light Emissions. *Advanced Optical Materials*,2200386	8.1	1
3	Three homologous 1D lead halide perovskites with broadband white-light emissions. *Inorganic Chemistry Communication*, **2022**, 136, 109146	3.1	0
2	Two-dimensional hybrid halide perovskites composed of mixed corner- and edge-shared octahedron as broadband yellow-light emissions. *Inorganic Chemistry Communication*, **2022**, 139, 109411	3.1	0
1	Three-Dimensional Cuprous Lead Bromide Framework with Highly Efficient and Stable Blue Photoluminescence Emission. *Angewandte Chemie*, **2020**, 132, 16607	3.6	