

# Xiao-Wu Lei

## 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.

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	Crystal rigidifying strategy toward hybrid cadmium halide to achieve highly efficient and narrowband blue light emission. <i>Materials Today Chemistry</i> , <b>2022</b> , 24, 100766	6.2	1
49	Three homologous 1D lead halide perovskites with broadband white-light emissions. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 136, 109146	3.1	0
48	Highly emissive zero-dimensional antimony halide for anti-counterfeiting and confidential information encryption-decryption. <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134336	14.7	6
47	Applications of halide perovskites in X-ray detection and imaging. <i>CrystEngComm</i> , <b>2022</b> , 24, 2201-2212	3.3	2
46	Two-dimensional hybrid halide perovskites composed of mixed corner- and edge-shared octahedron as broadband yellow-light emissions. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 139, 109411	3.1	0
45	Bulk Mn <sup>2+</sup> Doped 1D Hybrid Lead Halide Perovskite with Highly Efficient, Tunable and Stable Broadband Light Emissions. <i>Chemistry - A European Journal</i> , <b>2021</b> ,	4.8	1
44	Three-Dimensional Cuprous Iodide Framework with Intrinsic Broadband Red-to-Near-Infrared Light Emission. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16906-16910	5.1	2
43	Systematic Approach of One-Dimensional Lead Perovskites with Face-Sharing Connectivity to Realize Efficient and Tunable Broadband Light Emission. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10850-10859	3.8	6
42	Structural Dimensionality Modulation toward Enhanced Photoluminescence Efficiencies of Hybrid Lead-Free Antimony Halides. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100556	8.1	18
41	Combining Dual-Light Emissions to Achieve Efficient Broadband Yellowish-Green Luminescence in One-Dimensional Hybrid Lead Halides. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1491-1498	5.1	12
40	Enhancement of the photoluminescence efficiency of hybrid manganese halides through rational structural design. <i>Chemical Communications</i> , <b>2021</b> , 57, 6907-6910	5.8	8
39	Solvent-free mechanochemical syntheses of microscale lead-free hybrid manganese halides as efficient green light phosphors. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 9952-9961	7.1	11
38	Organic cations directed 1D [Pb <sub>3</sub> Br <sub>10</sub> ] <sub>4</sub> chains: syntheses, crystal structures, and photoluminescence properties. <i>CrystEngComm</i> , <b>2021</b> , 23, 292-298	3.3	5
37	Lead chlorine cluster assembled one-dimensional halide with highly efficient broadband white-light emission. <i>Chemical Communications</i> , <b>2021</b> , 57, 1218-1221	5.8	11
36	A Zero-Dimensional Hybrid Cadmium Perovskite with Highly Efficient Orange-Red Light Emission. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	3
35	Improving Broadband White-Light Emission Performances of 2D Perovskites by Subtly Regulating Organic Cations. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 10307-10313	4.8	10
34	Three-Dimensional Cuprous Lead Bromide Framework with Highly Efficient and Stable Blue Photoluminescence Emission. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16607	3.6	

33	Three-Dimensional Cuprous Lead Bromide Framework with Highly Efficient and Stable Blue Photoluminescence Emission. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16465-16469	16.4	26
32	Broadband White-Light Emission in One-Dimensional Organic-Inorganic Hybrid Silver Halide. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 4311-4319	5.1	20
31	Tetrameric cluster assembled one-dimensional hybrid lead halides with broadband light emission. <i>CrystEngComm</i> , <b>2020</b> , 22, 8208-8213	3.3	1
30	Zero-Dimensional Hybrid Cd-Based Perovskites with Broadband Bluish White-Light Emissions. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 3050-3058	4.5	7
29	A zero-dimensional hybrid lead perovskite with highly efficient blue-violet light emission. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11890-11895	7.1	20
28	One-Dimensional Face-Shared Perovskites with Broad-Band Bluish White-Light Emissions. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14085-14092	5.1	24
27	A three-dimensional cuprous lead bromide framework with highly efficient and stable thermochromic luminescence properties. <i>Chemical Communications</i> , <b>2020</b> , 56, 5925-5928	5.8	13
26	Transition metal complex dye-sensitized 3D iodoplumbates: syntheses, structures and photoelectric properties. <i>Chemical Communications</i> , <b>2019</b> , 55, 6874-6877	5.8	30
25	Organic cation directed one-dimensional cuprous halide compounds: syntheses, crystal structures and photoluminescence properties. <i>Dalton Transactions</i> , <b>2019</b> , 48, 10151-10159	4.3	11
24	Large Conjugated Organic Cations Sensitized Hybrid Lead Halides as Visible Light Driven Photocatalysts. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 4564-4570	3.5	27
23	Organic cation directed hybrid lead halides of zero-dimensional to two-dimensional structures with tunable photoluminescence properties. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2709-2717	6.8	24
22	Organic-Inorganic Hybrid Heterometallic Halides with Low-Dimensional Structures and Red Photoluminescence Emissions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10304-10312	5.1	32
21	Di-pyridyl organic cation directed hybrid cuprous halogenides: syntheses, crystal structures and photochromism and photocatalysis. <i>Dalton Transactions</i> , <b>2017</b> , 46, 4209-4217	4.3	40
20	Comparison studies of hybrid lead halide [MPbX] (M = Cu, Ag; X = Br, I) chains: band structures and visible light driven photocatalytic properties. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9235-9244	4.3	25
19	Novel Three-Dimensional Semiconducting Materials Based on Hybrid d Transition Metal Halogenides as Visible Light-Driven Photocatalysts. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10962-10970	5.1	52
18	Novel 3D Semiconducting Open-Frameworks based on Cuprous Bromides with Visible Light Driven Photocatalytic Properties. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14547-14553	4.8	44
17	Transition-Metal-Complex Cationic Dyes Photosensitive to Two Types of 2D Layered Silver Bromides with Visible-Light-Driven Photocatalytic Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 12193-12203	5.1	54
16	Transition metal complex directed lead bromides with tunable structures and visible light driven photocatalytic properties. <i>Dalton Transactions</i> , <b>2016</b> , 45, 19389-19398	4.3	42

15	Syntheses, crystal structures and photocatalytic properties of four hybrid iodoargentates with zero- and two-dimensional structures. <i>CrystEngComm</i> , <b>2016</b> , 18, 427-436	3.3	62
14	[Mn <sub>2</sub> Ga <sub>4</sub> Sn <sub>4</sub> S <sub>20</sub> ](8-) T3 supertetrahedral nanocluster directed by a series of transition metal complexes. <i>Dalton Transactions</i> , <b>2015</b> , 44, 2416-24	4.3	34
13	Two Types of 2D Layered Iodoargentates Based on Trimeric [Ag <sub>3</sub> I <sub>7</sub> ] Secondary Building Units and Hexameric [Ag <sub>6</sub> I <sub>12</sub> ] Ternary Building Units: Syntheses, Crystal Structures, and Efficient Visible Light Responding Photocatalytic Properties. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10593-603	5.1	83
12	Low-Dimensional Hybrid Cuprous Halides Directed by Transition Metal Complex: Syntheses, Crystal Structures, and Photocatalytic Properties. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 5416-5426	3.5	60
11	[Mn(dien) <sub>2</sub> ]MnSnS <sub>4</sub> , [Mn(1,2-dap)] <sub>2</sub> Sn <sub>2</sub> S <sub>6</sub> and [Mn(en) <sub>2</sub> ]MnGeS <sub>4</sub> : from 1D anionic and neutral chains to 3D neutral frameworks. <i>CrystEngComm</i> , <b>2015</b> , 17, 814-823	3.3	28
10	Syntheses, Crystal Structures, and Photocatalytic Properties of Polymeric Iodoargentates [TM(2,2-bipy) <sub>3</sub> ]Ag <sub>3</sub> I <sub>5</sub> (TM = Mn, Fe, Co, Ni, Zn). <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4412-4419 <sup>29</sup>	2.3	29
9	Two manganese-amine complexes incorporating thioantimonates and exhibiting diversiform roles of amine ligands. <i>CrystEngComm</i> , <b>2014</b> , 16, 3424-3430	3.3	19
8	Syntheses, Crystal Structures, and Photocatalytic Properties of a Series of Mercury Thioantimonates Directed by Transition Metal Complexes. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2411-2421 <sup>5</sup>	2.5	59
7	[TM(en) <sub>3</sub> ][SnSb <sub>4</sub> S <sub>9</sub> ] (TM = Ni, Co): 3D Chiral Framework of Mixed Main-Group Metals and [Mn(dien) <sub>2</sub> ] <sub>2</sub> Sb <sub>4</sub> S <sub>9</sub> : 1D Chains with Mixed-Valent Sb Centers. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 101-109 <sup>5</sup>	1.5	45
6	Crystal and Electronic Structures and Magnetic Properties of Eu <sub>3</sub> Tt <sub>2</sub> As <sub>4</sub> (Tt = Si, Ge). <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2248-2253	2.3	6
5	Synthesis, structure and bonding, optical properties of Ba <sub>3</sub> MTrQ <sub>4</sub> (M=Cu, Ag; Tr=Ga, In; Q=S, Se). <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1123-31	4.5	13
4	K <sub>13</sub> CoSn <sub>17</sub> X <sub>2</sub> (x = 0.1): A New Ternary Phase Containing [Cobalt Centered [Sn <sub>9</sub> ] Cluster Synthesized via High-Temperature Reaction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 911-917 <sup>1,3</sup>	1.3	7
3	Eu <sub>3</sub> Co <sub>2</sub> In <sub>15</sub> and KM <sub>2</sub> In <sub>9</sub> (M = Co, Ni): 3D frameworks based on transition metal centered In <sub>9</sub> clusters. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 2526-33	5.1	11
2	Ultrapure green light emission in one-dimensional hybrid lead perovskites: achieving recommendation 2020 standard. <i>Journal of Materials Chemistry C</i> ,	7.1	6
1	Ultrastable 0D Organic Zinc Halides with Highly Efficient Blue Light Emissions. <i>Advanced Optical Materials</i> , <b>2020</b> , 386	8.1	1