

Jun Lu

List of Publications by Year in descending order

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81
papers

11,789
citations

147726

31
h-index

58549

82
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86
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86
docs citations

86
times ranked

13117
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulate the nano-structure of layered double hydroxides via calcination for enhancing immobilization of anionic dyes on collagen fibers. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 182-193.	5.0	29
2	Monochromatic light-enhanced photocatalytic CO ₂ reduction based on exciton properties of two-dimensional lead halide perovskites. <i>Dalton Transactions</i> , 2022, 51, 8036-8045.	1.6	7
3	Function toggle of tumor microenvironment responsive nanoagent for highly efficient free radical stress enhanced chemodynamic therapy. <i>Nano Research</i> , 2022, 15, 8228-8236.	5.8	5
4	Cu ₂ O/Ti ₃ C ₂ MXene heterojunction photocatalysts for improved CO ₂ photocatalytic reduction performance. <i>Applied Surface Science</i> , 2021, 542, 148685.	3.1	45
5	The In-situ Growth NiFe-layered Double Hydroxides/g-C ₃ N ₄ Nanocomposite 2D/2D Heterojunction for Enhanced Photocatalytic CO ₂ Reduction Performance. <i>Catalysis Letters</i> , 2021, 151, 1683-1692.	1.4	30
6	Organic Electron Donor-Acceptor Co-intercalated NiMn-LDHs as Photocatalysts with Enhanced Separation of Charge Carriers for Photocatalytic Reduction of CO ₂ . <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 620-627.	1.0	6
7	Visible-Light-Responsive TiO ₂ /NiFe Mixed Metal Oxide-Carbon Photocatalytic Fuel Cell with Synchronous Hydrogen Peroxide Production. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1230-1239.	1.0	4
8	Carbon-Defect-Driven Boron Carbide for Dual-Modal NIR-II/Photoacoustic Imaging and Photothermal Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3370-3378.	2.6	12
9	Ultrathin Ni/V-layered double hydroxide nanosheets for efficient visible-light-driven photocatalytic nitrogen reduction to ammonia. <i>Nano Research</i> , 2021, 14, 3372-3378.	5.8	13
10	Self-Cycling Free Radical Generator from LDH-Based Nanohybrids for Ferroptosis-Enhanced Chemodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100539.	3.9	28
11	Ultrathin n type Cu ₂ O/CuCoCr-layered double hydroxide heterojunction nanosheets for photo-assisted aqueous Zn-CO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26061-26068.	5.2	21
12	Fabrication, assembly, and optoelectric properties of layered double hydroxide/conjugated polymer nanocomposites. , 2020, , 497-529.		0
13	Solar-charging Aqueous Redox Flow Battery with Optimal Redox Couple Combination. <i>Chemistry Letters</i> , 2020, 49, 248-251.	0.7	2
14	Restriction-Induced Luminescence Enhancement in 2D Interlayer Supramolecular Infinite Solid Solution for Cell Imaging. <i>Advanced Optical Materials</i> , 2020, 8, 1902019.	3.6	8
15	Fluorescence enhancement strategy for evaluation of the minor groove binder DAPI to complementary ssDNA sequence including telomere mimics in (ssDNA@DAPI/LDH) ultrathin films. <i>Dyes and Pigments</i> , 2019, 166, 422-432.	2.0	12
16	Zinc-aluminum oxide solid solution nanosheets obtained by pyrolysis of layered double hydroxide as the photoanodes for dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 240-247.	5.0	19
17	In situ topotactic fabrication of direct Z-scheme 2D/2D ZnO/Zn _x Cd _{1-x} S single crystal nanosheet heterojunction for efficient photocatalytic water splitting. <i>Catalysis Science and Technology</i> , 2018, 8, 6458-6467.	2.1	49
18	Two-dimensional ultrathin Zn _x Cd _{1-x} S nanosheet with exposed polar facet by using layered double hydroxide template for photocatalytic hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19481-19491.	3.8	22

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19	Amphiphilic CdTe Quantum Dots@Layered Double Hydroxides/Arachidate Nanocomposite Langmuir-Blodgett Ultrathin Films: Its Assembly and Response Mechanism as VOC Fluorescence Sensors. <i>Langmuir</i> , 2018, 34, 11354-11363.	1.6	11
20	2D/2D g-C ₃ N ₄ /MgFe MMO nanosheet heterojunctions with enhanced visible-light photocatalytic H ₂ production. <i>Journal of Alloys and Compounds</i> , 2018, 769, 611-619.	2.8	40
21	Layered Inorganic/Organic Hybrid (CdSe)-Monoamine Nanobelts: Controllable Solvothermal Synthesis, Multiple Stage Amine De-Intercalation Transformation, and Two-Dimensional Exciton Quantum Confinement Effect. <i>Inorganic Chemistry</i> , 2018, 57, 10781-10790.	1.9	6
22	Two-dimensional confined electron donor-acceptor co-intercalated inorganic/organic nanocomposites: an effective photocatalyst for dye degradation. <i>RSC Advances</i> , 2017, 7, 2789-2795.	1.7	8
23	Enhanced green fluorescence protein/layered double hydroxide composite ultrathin films: bio-hybrid assembly and potential application as a fluorescent biosensor. <i>Journal of Materials Chemistry B</i> , 2017, 5, 160-166.	2.9	22
24	Novel Visible-Light Photodetector Based on Two-Dimensional Confined Electron Donor-Acceptor Co-Assembled Layered Double Hydroxide Ultrathin Films. <i>ACS Omega</i> , 2016, 1, 1239-1246.	1.6	6
25	A reversible pH-modified fluorescence transition in block copolymer micelles enwrapped with a zinc fluorescent complex. <i>RSC Advances</i> , 2016, 6, 45708-45715.	1.7	1
26	Electrochemiluminescence detection of reduced and oxidized glutathione ratio by quantum dot-layered double hydroxide film. <i>Analyst</i> , 2016, 141, 3305-3312.	1.7	13
27	Assembly of neutral conjugated polymers with layered double hydroxide nanosheets by the layer-by-layer method. <i>RSC Advances</i> , 2016, 6, 94739-94747.	1.7	9
28	A Luminescent Inorganic/Organic Composite Ultrathin Film Based on a 2D Cascade FRET Process and Its Potential VOC Selective Sensing Properties. <i>Advanced Functional Materials</i> , 2016, 26, 6752-6759.	7.8	26
29	8-Anilino-1-naphthalenesulfonate/Layered Double Hydroxide Ultrathin Films: Small Anion Assembly and Its Potential Application as a Fluorescent Biosensor. <i>Langmuir</i> , 2016, 32, 9015-9022.	1.6	7
30	Sensors: A Luminescent Inorganic/Organic Composite Ultrathin Film Based on a 2D Cascade FRET Process and Its Potential VOC Selective Sensing Properties (<i>Adv. Funct. Mater.</i> 37/2016). <i>Advanced Functional Materials</i> , 2016, 26, 6751-6751.	7.8	0
31	Structure observation of graphene quantum dots by single-layered formation in layered confinement space. <i>Chemical Science</i> , 2015, 6, 4846-4850.	3.7	101
32	An Inexpensive Co-Intercalated Layered Double Hydroxide Composite with Electron Donor-Acceptor Character for Photoelectrochemical Water Splitting. <i>Scientific Reports</i> , 2015, 5, 12170.	1.6	16
33	Luminescent films for chemo- and biosensing. <i>Chemical Society Reviews</i> , 2015, 44, 6981-7009.	18.7	254
34	Luminous composite ultrathin films of the DCM dye assembled with layered double hydroxides and its fluorescence solvatochromism properties for polarity sensors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5246-5252.	2.7	19
35	Aggregation-induced emission molecules in layered matrices for two-color luminescence films. <i>Chemical Communications</i> , 2014, 50, 11895-11898.	2.2	37
36	The 2-phenylbenzimidazole-5-sulfonate/layered double hydroxide co-intercalation composite and its luminescence response to nucleotides. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5161-5167.	2.7	16

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37	Phosphorescent Sensor Based on Iridium Complex/Poly(vinylcarbazole) Orderly Assembled with Layered Double Hydroxide Nanosheets: Two-Dimensional Förster Resonance Energy Transfer and Reversible Luminescence Response for VOCs. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20538-20544.	1.5	29
38	Cellular uptake and gene delivery using layered double hydroxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 61-68.	2.9	85
39	Regular assembly of 9-fluorenone-2,7-dicarboxylate within layered double hydroxide and its solid-state photoluminescence: a combined experiment and computational study. <i>RSC Advances</i> , 2013, 3, 4303.	1.7	26
40	Mechanochemical synthesis of a fluorenone-based metal organic framework with polarized fluorescence: an experimental and computational study. <i>Journal of Materials Chemistry C</i> , 2013, 1, 997-1004.	2.7	59
41	Anionic stilbene intercalated layered double hydroxide with two-photon excited polarized photoemission. <i>Chemical Engineering Journal</i> , 2013, 225, 216-222.	6.6	7
42	The in situ shape-controlled synthesis and structure-activity relationship of Pd nanocrystal catalysts supported on layered double hydroxide. <i>Catalysis Science and Technology</i> , 2013, 3, 2016.	2.1	20
43	Two dimensional restriction-induced luminescence of tetraphenyl ethylene within the layered double hydroxide ultrathin films and its fluorescence resonance energy transfer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5944.	2.7	23
44	Recent Advances in Stimuli-Responsive Photofunctional Materials Based on Accommodation of Chromophore into Layered Double Hydroxide Nanogallery. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-14.	1.5	12
45	Luminescent ultrathin film of anionic styrylbiphenyl derivative-layered double hydroxide and its reversible sensing for heavy metal ions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8591.	1.3	15
46	Orderly Ultrathin Films Based on Perylene/Poly(vinyl carbazole) Assembled with Layered Double Hydroxide Nanosheets: 2D Fluorescence Resonance Energy Transfer and Reversible Fluorescence Response for Volatile Organic Compounds. <i>Advanced Materials</i> , 2012, 24, 6053-6057.	11.1	57
47	Highly Dispersed TiO ₂ Units in a Layered Double Hydroxide for Water Splitting. <i>Chemistry - A European Journal</i> , 2012, 18, 11949-11958.	1.7	132
48	Luminous Ultrathin Films by the Ordered Micellar Assembly of Neutral Bis(8-hydroxyquinolate)zinc with Layered Double Hydroxides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12836-12843.	1.5	20
49	Modification of luminescent properties of a coumarin derivative by formation of multi-component crystals. <i>CrystEngComm</i> , 2012, 14, 5121.	1.3	59
50	Controllable luminescence and electrochemical detection of Pb ²⁺ ion based on the 2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonate) dye and dodecanesulfonate co-intercalated layered double hydroxide. <i>Dyes and Pigments</i> , 2012, 94, 74-80.	2.0	13
51	8-Hydroxypyrene-1,3,6-trisulphonate and octanesulphonate co-assembled layered double hydroxide and its controllable solid-state luminescence by hydrothermal synthesis. <i>Journal of Solid State Chemistry</i> , 2012, 185, 219-224.	1.4	19
52	Assembly Chemistry of Anion-intercalated Layered Materials. , 2011, , 375-404.		15
53	Tunable compositions and luminescent performances on members of the layered rare-earth hydroxides (Y _{1-x} Ln _x) ₂ (OH) ₅ NO ₃ ·nH ₂ O (Ln = Tb, Eu). <i>Dalton Transactions</i> , 2011, 40, 11781.	1.6	43
54	Ordered Blue Luminescent Ultrathin Films by the Effective Coassembly of Tris(8-hydroxyquinolate-5-sulfonate)aluminum and Polyanions with Layered Double Hydroxides. <i>Langmuir</i> , 2011, 27, 11501-11507.	1.6	26

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55	Near-Infrared Absorption and Polarized Luminescent Ultrathin Films Based on Sulfonated Cyanines and Layered Double Hydroxide. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7939-7946.	1.5	24
56	Recent advances in photofunctional guest/layered double hydroxide host composite systems and their applications: experimental and theoretical perspectives. <i>Journal of Materials Chemistry</i> , 2011, 21, 13128.	6.7	91
57	Heterogeneous Transparent Ultrathin Films with Tunable-Color Luminescence Based on the Assembly of Photoactive Organic Molecules and Layered Double Hydroxides. <i>Advanced Functional Materials</i> , 2011, 21, 2497-2505.	7.8	106
58	MULTICOLOR LUMINESCENCE: Heterogeneous Transparent Ultrathin Films with Tunable-Color Luminescence Based on the Assembly of Photoactive Organic Molecules and Layered Double Hydroxides (<i>Adv. Funct. Mater.</i> 13/2011). <i>Advanced Functional Materials</i> , 2011, 21, 2496-2496.	7.8	2
59	Two-Dimensional Nanocrystals Produced by Exfoliation of Ti_3AlC_2 . <i>Advanced Materials</i> , 2011, 23, 4248-4253.	11.1	7,931
60	Fabrication of an anionic polythiophene/layered double hydroxide ultrathin film showing red luminescence and reversible pH photoresponse. <i>AIChE Journal</i> , 2011, 57, 1926-1935.	1.8	16
61	Reversibly Thermochromic, Fluorescent Ultrathin Films with a Supramolecular Architecture. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 720-723.	7.2	212
62	Layered Host-Guest Materials with Reversible Piezochromic Luminescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7037-7040.	7.2	165
63	A Cocrystal Strategy to Tune the Luminescent Properties of Stilbene-Type Organic Solid-State Materials. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12483-12486.	7.2	463
64	Photoresponsive thin films containing an azobenzene derivative intercalated with a layered double hydroxide. <i>Science Bulletin</i> , 2010, 55, 3894-3900.	1.7	1
65	Tris(8-hydroxyquinoline-5-sulfonate)aluminum Intercalated Mg-Al Layered Double Hydroxide with Blue Luminescence by Hydrothermal Synthesis. <i>Advanced Functional Materials</i> , 2010, 20, 2848-2856.	7.8	58
66	Thin film of sulfonated zinc phthalocyanine/layered double hydroxide for achieving multiple quantum well structure and polarized luminescence. <i>Chemical Communications</i> , 2010, 46, 8654.	2.2	31
67	Anionic Poly(<i>p</i> -Phenylenevinylene)/Layered Double Hydroxide Ordered Ultrathin Films with Multiple Quantum Well Structure: A Combined Experimental and Theoretical Study. <i>Langmuir</i> , 2010, 26, 7007-7014.	1.6	44
68	A strategy to the ordered assembly of functional small cations with layered double hydroxides for luminescent ultra-thin films. <i>Chemical Communications</i> , 2010, 46, 5912.	2.2	68
69	Thin film of coumarin-3-carboxylate and surfactant co-intercalated layered double hydroxide with polarized photoluminescence: a joint experimental and molecular dynamics study. <i>Journal of Materials Chemistry</i> , 2010, 20, 5016.	6.7	44
70	Benzocarbazole anions intercalated layered double hydroxide and its tunable fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15085.	1.3	31
71	Bis(8-hydroxyquinolate-5-sulfonate)zinc intercalated layered double hydroxide and its controllable luminescent properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 9718.	6.7	32
72	Ordered Poly(<i>p</i> -Phenylene)/Layered Double Hydroxide Ultrathin Films with Blue Luminescence by Layer-by-Layer Assembly. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3073-3076.	7.2	172

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73	Studies on the Orientation and Polarized Photoluminescence of β -Naphthalene Acetate in the Layered Double Hydroxide Matrix. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12888-12896.	1.5	24
74	Sulforhodamine B Intercalated Layered Double Hydroxide Thin Film with Polarized Photoluminescence. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1381-1388.	1.2	98
75	Layer-by-layer assembly of ruthenium(ii) complex anion/layered double hydroxide ordered ultrathin films with polarized luminescence. <i>Chemical Communications</i> , 2009, , 6358.	2.2	46
76	A combined study based on experiment and molecular dynamics: perylene tetracarboxylate intercalated in a layered double hydroxide matrix. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9200.	1.3	52
77	Preparation of Rh-TPPTS complex intercalated layered double hydroxide and influences of host and guest compositions on its catalytic performances in hydroformylation reaction. <i>Science Bulletin</i> , 2008, 53, 1329-1336.	4.3	7
78	Heterogeneous ultrathin films fabricated by alternate assembly of exfoliated layered double hydroxides and polyanion. <i>Chemical Communications</i> , 2008, , 5188.	2.2	101
79	In Situ Polymerization of the 4-Vinylbenzenesulfonic Anion in Ni ²⁺ /Al ³⁺ -Layered Double Hydroxide and Its Molecular Dynamic Simulation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 7671-7681.	1.1	31
80	Molecular Orientation and Fluorescence Studies on Naphthalene Acetate Intercalated Zn ₂ Al Layered Double Hydroxide. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19886-19895.	1.5	29
81	Synthesis, Structure, and Luminescence of 2D-Dilute Magnetic Semiconductors: Zn _{1-x} MnxSe _{0.5} L (L =) Tj ETQq _{1.2} 0.7843 _{1.4} rgBT ₃₀		