

# Lin-jun Huang

## List of Publications by Year in descending order

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79  
papers

1,799  
citations

257357

24  
h-index

315616

38  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Graphene Oxide Membranes with pH-Responsive Nanochannels for High-Performance Nanofiltration. <i>ACS Nano</i> , 2021, 15, 13178-13187.	7.3	128
2	Electrospinning nanofibers and nanomembranes for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21659-21684.	5.2	121
3	Synthesis of graphene oxide/polyacrylamide composite membranes for organic dyes/water separation in water purification. <i>Journal of Materials Science</i> , 2019, 54, 252-264.	1.7	84
4	Advances in graphene oxide membranes for water treatment. <i>Nano Research</i> , 2022, 15, 6636-6654.	5.8	76
5	Facile preparation, characterization and performance of noncovalently functionalized graphene/epoxy nanocomposites with poly(sodium 4-styrenesulfonate). <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 1-9.	3.8	61
6	Ultrafast and Selective Nanofiltration Enabled by Graphene Oxide Membranes with Unzipped Carbon Nanotube Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 1850-1860.	4.0	60
7	Recent advances of polymer acceptors for high-performance organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 28-43.	2.7	56
8	A review of performance improvement strategies for graphene oxide-based and graphene-based membranes in water treatment. <i>Journal of Materials Science</i> , 2021, 56, 9545-9574.	1.7	52
9	Classification, Synthesis, and Application of Luminescent Silica Nanoparticles: a Review. <i>Nanoscale Research Letters</i> , 2019, 14, 190.	3.1	49
10	Enhanced efficiency of polymer solar cells by incorporated Ag@SiO <sub>2</sub> core-shell nanoparticles in the active layer. <i>RSC Advances</i> , 2014, 4, 4379-4386.	1.7	45
11	Recent progress in synthetic methods and applications in solar cells of Ag <sub>2</sub> S quantum dots. <i>Materials Research Bulletin</i> , 2018, 106, 113-123.	2.7	45
12	Preparation of graphene oxide/silica hybrid composite membranes and performance studies in water treatment. <i>Journal of Materials Science</i> , 2020, 55, 11188-11202.	1.7	45
13	Recent advances in synthetic methods and applications of Ag <sub>2</sub> S-based heterostructure photocatalysts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3988-4003.	2.7	42
14	Graphene Oxide Nanofiltration Membrane Based on Three-Dimensional Size-Controllable Metal-Organic Frameworks for Water Treatment. <i>ACS Applied Nano Materials</i> , 2022, 5, 5196-5207.	2.4	42
15	Recent Advances in Graphene Oxide Membranes for Nanofiltration. <i>ACS Applied Nano Materials</i> , 2022, 5, 3121-3145.	2.4	42
16	Synthesis of graphene oxide/rare-earth complex hybrid luminescent materials via $\pi$ - $\pi$ stacking and their pH-dependent luminescence. <i>Journal of Alloys and Compounds</i> , 2016, 687, 95-103.	2.8	39
17	A review of graphene-oxide/metal-organic framework composites materials: characteristics, preparation and applications. <i>Journal of Porous Materials</i> , 2021, 28, 1837-1865.	1.3	36
18	Recent developments in graphene-based polymer composite membranes: Preparation, mass transfer mechanism, and applications. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47761.	1.3	31

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19	Graphene Oxide Nanofiltration Membranes Containing Silver Nanoparticles: Tuning Separation Efficiency via Nanoparticle Size. <i>Nanomaterials</i> , 2020, 10, 454.	1.9	31
20	The Preparation and Study of Ethylene Glycol-Modified Graphene Oxide Membranes for Water Purification. <i>Polymers</i> , 2019, 11, 188.	2.0	30
21	The progress of non-fullerene small molecular acceptors for high efficiency polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 190, 83-97.	3.0	28
22	Effects of Modified Graphene Oxide on Thermal and Crystallization Properties of PET. <i>Polymers</i> , 2018, 10, 613.	2.0	27
23	Reduced graphene oxide-gold nanoparticle membrane for water purification. <i>Separation Science and Technology</i> , 2019, 54, 1079-1085.	1.3	27
24	Preparation of a graphene/silver hybrid membrane as a new nanofiltration membrane. <i>RSC Advances</i> , 2017, 7, 49159-49165.	1.7	26
25	Effect of photocurrent enhancement in porphyrin-graphene covalent hybrids. <i>Materials Science and Engineering C</i> , 2014, 34, 186-192.	3.8	25
26	Eu <sup>3+</sup> -induced aggregates of diblock copolymers and their photoluminescent property. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 630-638.	5.0	23
27	Strong Enhancement of Photoelectric Conversion Efficiency of Co-hybridized Polymer Solar Cell by Silver Nanoplates and Core-Shell Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5358-5365.	4.0	22
28	Recent developments in graphene-based/nanometal composite filter membranes. <i>RSC Advances</i> , 2017, 7, 47886-47897.	1.7	22
29	Graphene/silver nanocomposites stabilize Mg-Ni-La electrode alloys and enhance electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1140-1148.	2.8	22
30	NaYbF <sub>4</sub> :Tb/Eu modified with organic antenna for improving performance of polymer solar cells. <i>Electrochimica Acta</i> , 2018, 260, 959-964.	2.6	22
31	Preparation of Hybrid Nanoparticle Nucleating Agents and Their Effects on the Crystallization Behavior of Poly(ethylene terephthalate). <i>Materials</i> , 2018, 11, 587.	1.3	21
32	Red light emitting nano-PVP fibers that hybrid with Ag@SiO <sub>2</sub> @Eu(tta) <sub>3</sub> phen-NPs by electrostatic spinning method. <i>Optical Materials</i> , 2018, 78, 220-225.	1.7	20
33	Theory and simulation developments of confined mass transport through graphene-based separation membranes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6032-6057.	1.3	19
34	Smart sensing of Cu <sup>2+</sup> in living cells by water-soluble and nontoxic Tb <sup>3+</sup> /Eu <sup>3+</sup> -induced aggregates of polysaccharides through fluorescence imaging. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8171-8182.	2.7	19
35	Sensitive Cu <sup>2+</sup> detection by reversible on-off fluorescence using Eu <sup>3+</sup> complexes in SiO <sub>2</sub> , in chitosan/polyethylene oxide nanofibers. <i>Materials and Design</i> , 2021, 205, 109708.	3.3	19
36	Enhanced efficiency of polymer solar cells by structure-differentiated silver nano-dopants in solution-processed tungsten oxide layer. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 206, 61-68.	1.7	17

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37	Graphene oxide/nanometal composite membranes for nanofiltration: synthesis, mass transport mechanism, and applications. <i>New Journal of Chemistry</i> , 2019, 43, 2846-2860.	1.4	17
38	A review of lanthanide-based fluorescent nanofiber membranes by electrospinning and their applications. <i>Journal of Materials Science</i> , 2022, 57, 3892-3922.	1.7	17
39	Effects of microstructure on the electrode properties of melt-spun Mg-based amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2009, 485, 186-191.	2.8	16
40	Electrode properties and the dehydrogenation process of amorphous Mg-Ni-La alloys. <i>Journal of Power Sources</i> , 2014, 249, 35-41.	4.0	16
41	Enhanced emission of nanoSiO <sub>2</sub> -carried Eu <sup>3+</sup> complexes and highly luminescent hybrid nanofibers. <i>Optical Materials</i> , 2013, 35, 1395-1403.	1.7	15
42	Fabrication and luminescence of KGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoplates and their improving performance for polymer solar cells. <i>Science Bulletin</i> , 2018, 63, 216-218.	4.3	15
43	Effective regulation of the micro-structure of thick P3HT:PCBM film by the incorporation of ethyl benzenecarboxylate in toluene solution. <i>RSC Advances</i> , 2015, 5, 47451-47457.	1.7	14
44	Europium(III)-induced water-soluble nano-aggregates of hyaluronic acid and chitosan: structure and fluorescence. <i>MRS Communications</i> , 2018, 8, 1224-1229.	0.8	14
45	A new graphene nanocomposite to improve the electrochemical properties of magnesium-based amorphous alloy. <i>Materials Letters</i> , 2015, 160, 104-108.	1.3	13
46	Polyvinylpyrrolidone Nanofibers Encapsulating an Anhydrous Preparation of Fluorescent SiO <sub>2</sub> @Tb <sup>3+</sup> Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 510.	1.9	13
47	Mn, B, N co-doped graphene quantum dots for fluorescence sensing and biological imaging. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103856.	2.3	13
48	Strong luminescence and sharp heavy metal ion sensitivity of water-soluble hybrid polysaccharide nanoparticles with Eu <sup>3+</sup> and Tb <sup>3+</sup> inclusions. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1833-1844.	1.6	12
49	Synthesis of photocatalytic hematite nanotube array using a template-free solvothermal approach. <i>RSC Advances</i> , 2015, 5, 60920-60925.	1.7	11
50	Tb <sup>3+</sup> /Eu <sup>3+</sup> Complex-Doped Rigid Nanoparticles in Transparent Nanofibrous Membranes Exhibit High Quantum Yield Fluorescence. <i>Nanomaterials</i> , 2020, 10, 694.	1.9	11
51	Ln <sup>3+</sup> -enhanced blue fluorescence from novel excimer of 1,8-naphthalimide-conjugated PAMAM. <i>Optical Materials</i> , 2010, 32, 1417-1422.	1.7	10
52	Direct fabrication of graphene oxide fiber by injection spinning for flexible and wearable electronics. <i>Journal of Materials Science</i> , 2020, 55, 12065-12081.	1.7	10
53	Fluorescent SiO <sub>2</sub> @Tb <sup>3+</sup> (PET-TEG) <sub>3</sub> Phen Hybrids as Nucleating Additive for Enhancement of Crystallinity of PET. <i>Polymers</i> , 2020, 12, 568.	2.0	10
54	Microstructural investigation and electrochemical property of Mg <sub>63</sub> Ni <sub>27</sub> Nd <sub>10</sub> amorphous alloy. <i>Journal of Power Sources</i> , 2009, 189, 1247-1250.	4.0	9

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55	Melt spinning fibers of Isotactic polypropylene doped with long-lifetime luminescent inorganic-organic SiO <sub>2</sub> -Eu <sup>3+</sup> hybrid nanoparticles. <i>Materials Letters</i> , 2017, 204, 31-34.	1.3	9
56	Synthesis and tunable photoresponse for core-shell structured NaGdF <sub>4</sub> :Yb,Er@SiO <sub>2</sub> @Eu(TTA) <sub>3</sub> Phen nanocomplexes. <i>Scripta Materialia</i> , 2018, 152, 1-5.	2.6	9
57	Facile synthesis, formation mechanism and tunable upconversion luminescence of nanocrystals co-doped by Yb <sup>3+</sup> /Tm <sup>3+</sup> . <i>Materials Research Bulletin</i> , 2017, 87, 48-53.	2.7	7
58	Highly Efficient Photoinduced Electron Transfer in a Novel Tetrakis(tetraphenylporphyrinatozinc)/Perylenetetra-carboxydiimide Array and Its Application to a Photovoltaic Device. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 427-436.	2.0	6
59	Direct anchoring of Eu <sup>3+</sup> complex to derivative surfaces of multi-wall carbon nanotubes (Eu@DSCNTs) for linear fluorescence nanomaterials. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156880.	2.8	6
60	Fluorescent polymeric aggregates induced by Eu <sup>3+</sup> ions and their surface morphologies. <i>Optical Materials</i> , 2015, 46, 28-33.	1.7	5
61	Enhancing the Power Conversion Efficiency for Polymer Solar Cells by Incorporating Luminescent Nanosolid Micelles as Light Converter. <i>ACS Applied Energy Materials</i> , 2018, 1, 1445-1454.	2.5	5
62	Highly sensitive color fine-tuning of diblock copolymeric nano-aggregates with tri-metallic cations, Eu(III), Tb(III), and Zn(II), for flexible photoluminescence films (FPFs). <i>Journal of Materials Science and Technology</i> , 2021, 65, 72-81.	5.6	5
63	Synthesis and photoinduced electron transfer characteristic of a bis (zinc porphyrin)â€perylene bisimide array. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1101-1109.	0.9	4
64	Effective Exfoliation of Expanded Graphite in Rigid Poly(methyl methacrylate) and Its Dispersion and Enhancement in Poly(vinylidene fluoride). <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10021-10028.	0.9	4
65	Ln <sup>3+</sup> -Induced Diblock Copolymeric Aggregates for Fully Flexible Tunable White-Light Materials. <i>Nanomaterials</i> , 2019, 9, 363.	1.9	4
66	The addition of GO-SiO <sub>2</sub> to synthesis polyethylene terephthalate composite with enhanced crystalline and mechanical properties. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1746-1753.	2.6	4
67	SPR-Enhanced Fluorescence of Solid Organic Dye Films. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	1.5	3
68	Improved Mechanical, Anti-UV Irradiation, and Imparted Luminescence Properties of Cyanate Ester Resin/Unzipped Multiwalled Carbon Nanotubes/Europium Nanocomposites. <i>Materials</i> , 2021, 14, 4244.	1.3	3
69	SPR-enhanced fluorescence and protein-improved blood compatibility of quadruple core/shell nanostructure of Ag@SiO <sub>2</sub> @Eu <sup>3+</sup> (tta) <sub>3</sub> Phen@Protein. <i>Micro and Nano Letters</i> , 2018, 13, 1447-1452.	0.6	3
70	Crystallization of Poly(ethylene terephthalate) via Silica Nanoparticles Tethered with Short Diblock PEG-PET Copolymers. <i>Science of Advanced Materials</i> , 2016, 8, 1603-1611.	0.1	3
71	MnO <sub>2</sub> Nano-Urchin/Graphene Hybrid Electrodes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9892-9898.	0.9	2
72	Morphology and Luminescent Properties of Solid Micelles based on Europium(III) Complexes with Diblock Copolymers of Methyl Methacrylate and Acrylic Acid. <i>Ferroelectrics</i> , 2015, 486, 91-105.	0.3	2

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73	Preparation of QDs@SiO <sub>2</sub> -PEG-LMPET and its influence on crystallization and luminescence of polyethylene terephthalate. <i>Nanotechnology</i> , 2021, 32, 225706.	1.3	2
74	Electric-field-actuation of in situ composites that contain silver-coated carbon fibers in sodium sulfonate ionomers. <i>RSC Advances</i> , 2012, 2, 8813.	1.7	1
75	NIR-Fluorescent Hybrid Materials of Tm <sup>3+</sup> Complexes Carried by Nano-SiO <sub>2</sub> via Improved Sol-Gel Method. <i>Nanomaterials</i> , 2020, 10, 1964.	1.9	1
76	Novel Cuboid-like Crystalline Complexes (CLCCs), Photon Emission, Fluorescent Fibers, and Bright Red Fabrics of Eu <sup>3+</sup> Complexes Adjusted by Amphiphilic Molecules. <i>Polymers</i> , 2022, 14, 905.	2.0	1
77	Embedding copper nanoparticle-anchored conductive nano-blocks in polyelectrolyte. <i>Particuology</i> , 2013, 11, 748-752.	2.0	0
78	Effect of water-absorbing nanospheres on antistatic property of isotactic polypropylene fibers. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	0
79	Self-Photoluminescence of Unzipped Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1632.	1.9	0