

Liangmin Yu

List of Publications by Year in descending order

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257101

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#	ARTICLE	IF	CITATIONS
1	Metal free benzothiadiazole-diketopyrrolopyrrole-based conjugated polymer/g-C ₃ N ₄ photocatalyst for enhanced sterilization and degradation in visible to near-infrared region. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 103-113.	5.0	27
2	Kinetic control of Phytic acid/Lixisenatide/Fe (III) ternary nanoparticles assembly process for sustained peptide release. <i>International Journal of Pharmaceutics</i> , 2022, 611, 121317.	2.6	3
3	Hydrogel Antifouling Coating with Highly Adhesive Ability via Lipophilic Monomer. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	8
4	Enhancing organic photovoltaic performance with 3D-transport dual nonfullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1948-1955.	5.2	11
5	Lipophilic monomer tackifying hydrogel antifouling coatings prepared by soap free emulsion polymerization and its performance. <i>Progress in Organic Coatings</i> , 2022, 165, 106724.	1.9	3
6	Hygroscopic photothermal beads from marine polysaccharides: demonstration of efficient atmospheric water production, indoor humidity control and photovoltaic panel cooling. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8556-8567.	5.2	20
7	High-Performance Ternary Semitransparent Polymer Solar Cells with Different Bandgap Third Component as Non-Fullerene Guest Acceptor. <i>Solar Rrl</i> , 2022, 6, .	3.1	4
8	High-performance electromagnetic wave absorption of NiCoFe/N-doped carbon composites with a Prussian blue analog (PBA) core at 2-18 GHz. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 107-118.	5.0	22
9	Revealing the mechanisms of mercury adsorption on metal-doped kaolinite(001) surfaces by first principles. <i>Journal of Hazardous Materials</i> , 2022, 431, 128586.	6.5	12
10	Preparation and evaluation of polyphenol derivatives as potent antifouling agents: addition of a side chain affects the biological activity of polyphenols. <i>Biofouling</i> , 2022, 38, 29-41.	0.8	3
11	Hollow polypyrrole/Ni/PVDF microspheres for broadband microwave absorption via a spray phase inversion method. <i>Journal of Materials Science</i> , 2022, 57, 7570-7586.	1.7	3
12	Design of Double-Click Gels for Self-Contained Underwater Adhesion and Energy-Wise Applications in Floating Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13
13	Dependable Performance of Thin Film Composite Nanofiltration Membrane Tailored by Capsaicin-Derived Self-Polymer. <i>Polymers</i> , 2022, 14, 1671.	2.0	5
14	The Advancement of Gas-Generating Nanoplatfoms in Biomedical Fields: Current Frontiers and Future Perspectives. <i>Small Methods</i> , 2022, 6, e2200139.	4.6	11
15	Innovations and challenges of polyphenol-based smart drug delivery systems. <i>Nano Research</i> , 2022, 15, 8156-8184.	5.8	15
16	Solar-Driven Interfacial Evaporation and Self-Powered Water Wave Detection Based on an All-Cellulose Monolithic Design. <i>Advanced Functional Materials</i> , 2021, 31, 2008681.	7.8	150
17	Low surface energy self-polishing polymer grafted MWNTs for antibacterial coating and controlled-release property of Cu ₂ O. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50267.	1.3	6
18	Semitransparent polymer solar cells floating on water: selected transmission windows and active control of algal growth. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13132-13143.	2.7	8

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19	Recent advancements of nanomaterial-based therapeutic strategies toward sepsis: bacterial eradication, anti-inflammation, and immunomodulation. <i>Nanoscale</i> , 2021, 13, 10726-10747.	2.8	17
20	Design of monolithic closed-cell polymer foams via controlled gas-foaming for high-performance solar-driven interfacial evaporation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9692-9705.	5.2	77
21	A novel metal-organic framework derived carbon nanoflower with effective electromagnetic microwave absorption and high-performance electrochemical energy storage properties. <i>Chemical Communications</i> , 2021, 57, 2539-2542.	2.2	10
22	Recent advances of nanomedicine-based strategies in diabetes and complications management: Diagnostics, monitoring, and therapeutics. <i>Journal of Controlled Release</i> , 2021, 330, 618-640.	4.8	28
23	Preparation and Evaluation of Gallate Ester Derivatives Used as Promising Antioxidant and Antibacterial Inhibitors. <i>Chemistry and Biodiversity</i> , 2021, 18, e2000913.	1.0	8
24	Addition of 2D Ti ₃ C ₂ T _x to Enhance Photocurrent in Diodes for High-Efficiency Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100127.	3.1	12
25	Nanomaterial-based strategies in antimicrobial applications: Progress and perspectives. <i>Nano Research</i> , 2021, 14, 4417-4441.	5.8	39
26	Rare-Earth Metal-Organic Framework@Graphene Oxide Composites As High-Efficiency Microwave Absorbents. <i>Crystal Growth and Design</i> , 2021, 21, 2668-2679.	1.4	15
27	Sustained Release Systems for Delivery of Therapeutic Peptide/Protein. <i>Biomacromolecules</i> , 2021, 22, 2299-2324.	2.6	24
28	Progress and trends of photodynamic therapy: From traditional photosensitizers to AIE-based photosensitizers. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102254.	1.3	43
29	Self-Repairing and Damage-Tolerant Hydrogels for Efficient Solar-Powered Water Purification and Desalination. <i>Advanced Functional Materials</i> , 2021, 31, 2104464.	7.8	93
30	Application of nanotechnology in acute kidney injury: From diagnosis to therapeutic implications. <i>Journal of Controlled Release</i> , 2021, 336, 233-251.	4.8	23
31	Synthesis of luminescent cocrystals based on fluoranthene and the analysis of weak interactions and photophysical properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 551-560.	0.2	2
32	Dealing with MDR bacteria and biofilm in the post-antibiotic era: Application of antimicrobial peptides-based nano-formulation. <i>Materials Science and Engineering C</i> , 2021, 128, 112318.	3.8	24
33	Synergistic solar-powered water-electricity generation via rational integration of semitransparent photovoltaics and interfacial steam generators. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21197-21208.	5.2	28
34	Stable Pb(II) ion-selective electrodes with a low detection limit using silver nanoparticles/polyaniline as the solid contact. <i>Mikrochimica Acta</i> , 2021, 188, 393.	2.5	4
35	Stable Pb ²⁺ ion-selective electrodes based on polyaniline-TiO ₂ solid contacts. <i>Analytica Chimica Acta</i> , 2020, 1094, 26-33.	2.6	21
36	Multicomponent supramolecular assemblies of 1(2H)-Phthalazinone and Tetrafluoroterephthalic acid: Understanding the role of hydrogen bonding on the structure and properties using experimental and computational analyses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117689.	2.0	6

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37	Ester-Substituted Pentathiophene Copolymer-Based Sky-Blue Semitransparent Solar Cells for Building Windows. <i>ACS Applied Energy Materials</i> , 2020, 3, 915-922.	2.5	13
38	A 3D Hemispheric Steam Generator Based on An Organic-Inorganic Composite Light Absorber for Efficient Solar Evaporation and Desalination. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901715.	1.9	45
39	Design of self-righting steam generators for solar-driven interfacial evaporation and self-powered water wave detection. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24664-24674.	5.2	36
40	Novel three-dimensional TiO ₂ -Fe ₃ O ₄ @polypyrrole composites with tunable microwave absorption in the 2-40 GHz frequency range. <i>Journal of Materials Science</i> , 2020, 55, 15493-15509.	1.7	15
41	Investigation of a hydrophobically associating AMAHS polyacrylamides: A new corrosion inhibitor for mild steel in HCl. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1521-1532.	0.8	10
42	The tesseract in two dimensional materials, a DFT approach. <i>RSC Advances</i> , 2020, 10, 8618-8627.	1.7	3
43	Synthesis and fouling resistance of capsaicin derivatives containing amide groups. <i>Science of the Total Environment</i> , 2020, 710, 136361.	3.9	31
44	Highly Dual Antifouling and Antibacterial Ultrafiltration Membranes Modified with Silane Coupling Agent and Capsaicin-Mimic Moieties. <i>Polymers</i> , 2020, 12, 412.	2.0	10
45	Thiophene copolymer for 1 V high open-circuit voltage semitransparent photovoltaic devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10868-10875.	2.7	15
46	Power Generation, Evaporation Mitigation, and Thermal Insulation of Semitransparent Polymer Solar Cells: A Potential for Floating Photovoltaic Applications. <i>ACS Applied Energy Materials</i> , 2019, 2, 6060-6070.	2.5	28
47	Synthesis and antifouling evaluation of indole derivatives. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109423.	2.9	19
48	Anticorrosion Coatings from Poly (Aniline-co-2-Ethylaniline) Micro/Nanostructures. <i>Journal of Ocean University of China</i> , 2019, 18, 1371-1381.	0.6	6
49	The rambutan-like C@NiCo ₂ O ₄ composites for enhanced microwave absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3124-3136.	1.1	26
50	Synthesis of amide derivatives containing capsaicin and their antioxidant and antibacterial activities. <i>Journal of Food Biochemistry</i> , 2019, 43, e13061.	1.2	28
51	Synthesis and evaluation of acrylate resins suspending indole derivative structure in the side chain for marine antifouling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110518.	2.5	29
52	In situ self-templating synthesis of cobalt/nitrogen-doped nanocarbons with controllable shapes for oxygen reduction reaction and supercapacitors. <i>International Journal of Energy Research</i> , 2019, 43, 4217-4228.	2.2	15
53	Synergistic effects of copolymerization and fluorination on acceptor polymers for efficient and stable all-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14130-14140.	2.7	24
54	Investigation of polyacrylamide containing capsaicin monomer as a novel corrosion inhibitor for mild steel in hydrochloric acid. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 1095-1103.	0.8	10

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55	Synthesis and properties of an acrylamide-based polymer for enhanced oil recovery: A preliminary study. <i>Advances in Polymer Technology</i> , 2018, 37, 2763-2773.	0.8	12
56	Fusing Benzo[c][1,2,5]oxadiazole Unit with Thiophene for Constructing Wide-bandgap High-performance IDT-based Polymer Solar Cell Donor Material. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700782.	2.0	3
57	Microwave absorption properties of γ -Fe ₂ O ₃ /(SiO ₂) x SO ₃ H/polypyrrole core/shell/shell microspheres. <i>Journal of Materials Science</i> , 2018, 53, 5270-5286.	1.7	23
58	Template effect of hydrophobically associating polymers on the construction of cuprous oxide micro structure. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 138-144.	1.3	1
59	Microwave absorption by watermelon-like microspheres composed of γ -Fe ₂ O ₃ , microporous silica and polypyrrole. <i>Journal of Materials Science</i> , 2018, 53, 9635-9649.	1.7	25
60	Large scale production of polyacrylonitrile-based porous carbon nanospheres for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6891-6903.	5.2	21
61	Roles played by polysaccharides with different structures in biomimetic synthesis of cuprous oxide. <i>CrystEngComm</i> , 2018, 20, 6243-6251.	1.3	0
62	DFT and 3D-QSAR Studies of Anti-Cancer Agents m-(4-Morpholinoquinazolin-2-yl) Benzamide Derivatives for Novel Compounds Design. <i>Journal of Ocean University of China</i> , 2018, 17, 609-613.	0.6	1
63	Lectin functionalized ZnO nanoarrays as a 3D nano-biointerface for bacterial detection. <i>Talanta</i> , 2017, 167, 600-606.	2.9	41
64	Synthesis and microwave absorbing properties of γ -Fe ₂ O ₃ @SiO ₂ @poly(3,4-ethylenedioxythiophene) core-shell-shell nanocomposites. <i>Journal of Materials Science</i> , 2017, 52, 12358-12369.	1.7	17
65	Hydrophobically associating polyacrylamide derivatives with double bond for enhanced solution properties. <i>Polymer Engineering and Science</i> , 2016, 56, 1203-1212.	1.5	11
66	Adsorption mechanism of water molecule on goethite (010) surface. <i>Journal of Ocean University of China</i> , 2016, 15, 1021-1026.	0.6	7
67	A novel long-lasting antifouling membrane modified with bifunctional capsaicin-mimic moieties via in situ polymerization for efficient water purification. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10352-10362.	5.2	48
68	Synthesis of γ -Fe ₂ O ₃ @SiO ₂ @polypyrrole core/shell/shell nanospheres with flexible controllability of electromagnetic properties. <i>RSC Advances</i> , 2016, 6, 6623-6630.	1.7	13
69	Synthesis, Crystal Structure, and Theoretical Calculation of the Cu(II) Complex With 1,2-Benzisothiazolin-3-one. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 659-664.	0.6	9
70	Lysozyme as a recognition element for monitoring of bacterial population. <i>Talanta</i> , 2016, 146, 299-302.	2.9	21
71	Synthesis and Quantum Chemical Calculation of Benzamide Derivatives Containing Capsaicin and Their Bacteriostatic and Antifouling Properties. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 861-870.	0.8	12
72	Enhanced anticorrosion properties of epoxy coatings from Al and Zn based pigments. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 573-580.	1.3	1

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73	Solid-state dye-sensitized solar cells from poly(ethylene oxide)/polyaniline electrolytes with catalytic and hole-transporting characteristics. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5368-5374.	5.2	53
74	Efficient photocatalysts from polymorphic cuprous oxide/zinc oxide microstructures. <i>RSC Advances</i> , 2015, 5, 11917-11924.	1.7	17
75	Recent advances in critical materials for quantum dot-sensitized solar cells: a review. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17497-17510.	5.2	158
76	Heterostructures of Ag ₃ PO ₄ /TiO ₂ mesoporous spheres with highly efficient visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 246-253.	5.0	55
77	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11448-11452.	7.2	168
78	Synthesis, Crystal Structure, and Theoretical Calculation of the Cu (II) Complex With 2-Furoic Acid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 1054-1058.	0.6	3
79	Electrochemical corrosion behavior of carbon steel coated by polyaniline copolymers micro/nanostructures. <i>RSC Advances</i> , 2014, 4, 32718.	1.7	38
80	The morphology dependence of cuprous oxide and its photocatalytic properties. <i>CrystEngComm</i> , 2013, 15, 10049.	1.3	21
81	Synthesis and solution behavior of hydrophobically associating polyacrylamide containing capsaicin-like moieties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1794-1804.	1.3	18
82	Highly Conductive Polypyrrole/Fe ₂ O ₃ Nanospheres with Good Magnetic Properties Obtained through an Improved Chemical One-Step Method. <i>Macromolecules</i> , 2011, 44, 4610-4615.	2.2	41
83	Synthesis, algal inhibition activities and QSAR studies of novel gramine compounds containing ester functional groups. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 309-316.	0.7	11