Liangmin Yu

List of Publications by Year
in descending order

83	2,092	257357	276775
papers	citations	24 h-index	41 g-index

86	86	86	2433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal free benzothiadiazole-diketopyrrolopyrrole-based conjugated polymer/g-C3N4 photocatalyst for enhanced sterilization and degradation in visible to near-infrared region. Journal of Colloid and Interface Science, 2022, 608, 103-113.	5.0	27
2	Kinetic control of Phytic acid/Lixisenatide/Fe (III) ternary nanoparticles assembly process for sustained peptide release. International Journal of Pharmaceutics, 2022, 611, 121317.	2.6	3
3	Hydrogel Antifouling Coating with Highly Adhesive Ability via Lipophilic Monomer. Macromolecular Materials and Engineering, 2022, 307, .	1.7	8
4	Enhancing organic photovoltaic performance with 3D-transport dual nonfullerene acceptors. Journal of Materials Chemistry A, 2022, 10, 1948-1955.	5.2	11
5	Lipophilic monomer tackifying hydrogel antifouling coatings prepared by soap free emulsion polymerization and its performance. Progress in Organic Coatings, 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. Journal of Materials Chemistry A, 2022, 10, 8556-8567.	5.2	20
7	Highâ€Performance Ternary Semitransparent Polymer Solar Cells with Different Bandgap Third Component as Nonâ€Fullerene Guest Acceptor. Solar Rrl, 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 2-18ÂGHz. Journal of Colloid and Interface Science, 2022, 620, 107-118.	5.0	22
9	Revealing the mechanisms of mercury adsorption on metal-doped kaolinite(001) surfaces by first principles. Journal of Hazardous Materials, 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. Biofouling, 2022, 38, 29-41.	0.8	3
11	Hollow polypyrrole/Ni/PVDF microspheres for broadband microwave absorption via a spray phase inversion method. Journal of Materials Science, 2022, 57, 7570-7586.	1.7	3
12	Design of Doubleâ€Network Clickâ€Gels for Selfâ€Contained Underwater Adhesion and Energyâ€Wise Applications in Floating Photovoltaics. Advanced Functional Materials, 2022, 32, .	7.8	13
13	Dependable Performance of Thin Film Composite Nanofiltration Membrane Tailored by Capsaicin-Derived Self-Polymer. Polymers, 2022, 14, 1671.	2.0	5
14	The Advancement of Gasâ€Generating Nanoplatforms in Biomedical Fields: Current Frontiers and Future Perspectives. Small Methods, 2022, 6, e2200139.	4.6	11
15	Innovations and challenges of polyphenol-based smart drug delivery systems. Nano Research, 2022, 15, 8156-8184.	5.8	15
16	Solarâ€Driven Interfacial Evaporation and Selfâ€Powered Water Wave Detection Based on an Allâ€Cellulose Monolithic Design. Advanced Functional Materials, 2021, 31, 2008681.	7.8	150
17	Low surface energy selfâ€polishing polymer grafted <scp>MWNTs</scp> for antibacterial coating and controlledâ€release property of <scp>Cu₂O</scp>. Journal of Applied Polymer Science, 2021, 138, 50267.	1.3	6
18	Semitransparent polymer solar cells floating on water: selected transmission windows and active control of algal growth. Journal of Materials Chemistry C, 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. Nanoscale, 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. Journal of Materials Chemistry A, 2021, 9, 9692-9705.	5.2	77
21	A novel metalâ€“organic framework derived carbon nanoflower with effective electromagnetic microwave absorption and high-performance electrochemical energy storage properties. Chemical Communications, 2021, 57, 2539-2542.	2.2	10
22	Recent advances of nanomedicine-based strategies in diabetes and complications management: Diagnostics, monitoring, and therapeutics. Journal of Controlled Release, 2021, 330, 618-640.	4.8	28
23	Preparation and Evaluation of Gallate Ester Derivatives Used as Promising Antioxidant and Antibacterial Inhibitors. Chemistry and Biodiversity, 2021, 18, e2000913.	1.0	8
24	Addition of 2D Ti₃C₂T_x to Enhance Photocurrent in Diodes for Highâ€Efficiency Organic Solar Cells. Solar Rrl, 2021, 5, 2100127.	3.1	12
25	Nanomaterial-based strategies in antimicrobial applications: Progress and perspectives. Nano Research, 2021, 14, 4417-4441.	5.8	39
26	Rare-Earth Metalâ€“Organic Framework@Graphene Oxide Composites As High-Efficiency Microwave Absorbents. Crystal Growth and Design, 2021, 21, 2668-2679.	1.4	15
27	Sustained Release Systems for Delivery of Therapeutic Peptide/Protein. Biomacromolecules, 2021, 22, 2299-2324.	2.6	24
28	Progress and trends of photodynamic therapy: From traditional photosensitizers to AIE-based photosensitizers. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102254.	1.3	43
29	Selfâ€Repairing and Damageâ€Tolerant Hydrogels for Efficient Solarâ€Powered Water Purification and Desalination. Advanced Functional Materials, 2021, 31, 2104464.	7.8	93
30	Application of nanotechnology in acute kidney injury: From diagnosis to therapeutic implications. Journal of Controlled Release, 2021, 336, 233-251.	4.8	23
31	Synthesis of luminescent cocrystals based on fluoranthene and the analysis of weak interactions and photophysical properties. Acta Crystallographica Section C, Structural Chemistry, 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. Materials Science and Engineering C, 2021, 128, 112318.	3.8	24
33	Synergistic solar-powered water-electricity generation via rational integration of semitransparent photovoltaics and interfacial steam generators. Journal of Materials Chemistry A, 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. Mikrochimica Acta, 2021, 188, 393.	2.5	4
35	Stable Pb2+ ion-selective electrodes based on polyaniline-TiO2 solid contacts. Analytica Chimica Acta, 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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117689.	2.0	6

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37	Ester-Substituted Pentathiophene Copolymer-Based Sky-Blue Semitransparent Solar Cells for Building Windows. ACS Applied Energy Materials, 2020, 3, 915-922.	2.5	13
38	A 3D Hemispheric Steam Generator Based on An Organicâ€“Inorganic Composite Light Absorber for Efficient Solar Evaporation and Desalination. Advanced Materials Interfaces, 2020, 7, 1901715.	1.9	45
39	Design of self-righting steam generators for solar-driven interfacial evaporation and self-powered water wave detection. Journal of Materials Chemistry A, 2020, 8, 24664-24674.	5.2	36
40	Novel three-dimensional TiO2-Fe3O4@polypyrrole composites with tunable microwave absorption in the 2â€“40ÂGHz frequency range. Journal of Materials Science, 2020, 55, 15493-15509.	1.7	15
41	Investigation of a hydrophobically associating AMAHS polyacrylamides: A new corrosion inhibitor for mild steel in HCl. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 1521-1532.	0.8	10
42	The tesseract in two dimensional materials, a DFT approach. RSC Advances, 2020, 10, 8618-8627.	1.7	3
43	Synthesis and fouling resistance of capsaicin derivatives containing amide groups. Science of the Total Environment, 2020, 710, 136361.	3.9	31
44	Highly Dual Antifouling and Antibacterial Ultrafiltration Membranes Modified with Silane Coupling Agent and Capsaicin-Mimic Moieties. Polymers, 2020, 12, 412.	2.0	10
45	Thiophene copolymer for 1 V high open-circuit voltage semitransparent photovoltaic devices. Journal of Materials Chemistry C, 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. ACS Applied Energy Materials, 2019, 2, 6060-6070.	2.5	28
47	Synthesis and antifouling evaluation of indole derivatives. Ecotoxicology and Environmental Safety, 2019, 182, 109423.	2.9	19
48	Anticorrosion Coatings from Poly (Aniline-co-2-Ethylaniline) Micro/Nanostructures. Journal of Ocean University of China, 2019, 18, 1371-1381.	0.6	6
49	The rambutan-like C@NiCo2O4 composites for enhanced microwave absorption performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 3124-3136.	1.1	26
50	Synthesis of amide derivatives containing capsaicin and their antioxidant and antibacterial activities. Journal of Food Biochemistry, 2019, 43, e13061.	1.2	28
51	Synthesis and evaluation of acrylate resins suspending indole derivative structure in the side chain for marine antifouling. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110518.	2.5	29
52	In situ selfâ€template synthesis of cobalt/nitrogenâ€doped nanocarbons with controllable shapes for oxygen reduction reaction and supercapacitors. International Journal of Energy Research, 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. Journal of Materials Chemistry C, 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. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1095-1103.	0.8	10

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55	Synthesis and properties of an acrylamideâ€based polymer for enhanced oil recovery: A preliminary study. Advances in Polymer Technology, 2018, 37, 2763-2773.	0.8	12
56	Fusing Benzo[c][1,2,5]oxadiazole Unit with Thiophene for Constructing Wideâ€bandgap Highâ€performance IDTâ€based Polymer Solar Cell Donor Material. Macromolecular Rapid Communications, 2018, 39, e1700782.	2.0	3
57	Microwave absorption properties of Î³-Fe2O3/(SiO2) x â€“SO3H/polypyrrole core/shell/shell microspheres. Journal of Materials Science, 2018, 53, 5270-5286.	1.7	23
58	Template effect of hydrophobically associating polymers on the construction of cuprous oxide micro structure. Chemical Research in Chinese Universities, 2018, 34, 138-144.	1.3	1
59	Microwave absorption by watermelon-like microspheres composed of Î³-Fe2O3, microporous silica and polypyrrole. Journal of Materials Science, 2018, 53, 9635-9649.	1.7	25
60	Large scale production of polyacrylonitrile-based porous carbon nanospheres for asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 6891-6903.	5.2	21
61	Roles played by polysaccharides with different structures in biomimetic synthesis of cuprous oxide. CrystEngComm, 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. Journal of Ocean University of China, 2018, 17, 609-613.	0.6	1
63	Lectin functionalized ZnO nanoarrays as a 3D nano-biointerface for bacterial detection. Talanta, 2017, 167, 600-606.	2.9	41
64	Synthesis and microwave absorbing properties of Î³-Fe2O3â€“SiO2â€“poly (3,4-ethylenedioxythiophene) coreâ€“shellâ€“shell nanocomposites. Journal of Materials Science, 2017, 52, 12358-12369.	1.7	17
65	Hydrophobically associating polyacrylamide derivatives with double bond for enhanced solution properties. Polymer Engineering and Science, 2016, 56, 1203-1212.	1.5	11
66	Adsorption mechanism of water molecule on goethite (010) surface. Journal of Ocean University of China, 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. Journal of Materials Chemistry A, 2016, 4, 10352-10362.	5.2	48
68	Synthesis of Î³-Fe₂O₃@SiO₂@polypyrrole core/shell/shell nanospheres with flexible controllability of electromagnetic properties. RSC Advances, 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. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 659-664.	0.6	9
70	Lysozyme as a recognition element for monitoring of bacterial population. Talanta, 2016, 146, 299-302.	2.9	21
71	Synthesis and Quantum Chemical Calculation of Benzamide Derivatives Containing Capsaicin and Their Bacteriostatic and Antifouling Properties. Journal of the Chinese Chemical Society, 2015, 62, 861-870.	0.8	12
72	Enhanced anticorrosion properties of epoxy coatings from Al and Zn based pigments. Chemical Research in Chinese Universities, 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. Journal of Materials Chemistry A, 2015, 3, 5368-5374.	5.2	53
74	Efficient photocatalysts from polymorphic cuprous oxide/zinc oxide microstructures. RSC Advances, 2015, 5, 11917-11924.	1.7	17
75	Recent advances in critical materials for quantum dot-sensitized solar cells: a review. Journal of Materials Chemistry A, 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. Journal of Colloid and Interface Science, 2015, 450, 246-253.	5.0	55
77	Dissolution Engineering of Platinum Alloy Counter Electrodes in Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2015, 54, 11448-11452.	7.2	168
78	Synthesis, Crystal Structure, and Theoretical Calculation of the Cu (II) Complex With 2-Furoic Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 1054-1058.	0.6	3
79	Electrochemical corrosion behavior of carbon steel coated by polyaniline copolymers micro/nanostructures. RSC Advances, 2014, 4, 32718.	1.7	38
80	The morphology dependence of cuprous oxide and its photocatalytic properties. CrystEngComm, 2013, 15, 10049.	1.3	21
81	Synthesis and solution behavior of hydrophobically associating polyacrylamide containing capsaicinâ€like moieties. Journal of Applied Polymer Science, 2013, 130, 1794-1804.	1.3	18
82	Highly Conductive Polypyrrole/Î³-Fe₂O₃ Nanospheres with Good Magnetic Properties Obtained through an Improved Chemical One-Step Method. Macromolecules, 2011, 44, 4610-4615.	2.2	41
83	Synthesis, algal inhibition activities and QSAR studies of novel gramine compounds containing ester functional groups. Chinese Journal of Oceanology and Limnology, 2009, 27, 309-316.	0.7	11