Jing Luo

List of Publications by Year
in descending order

105 papers	3,860 citations	117571 34 h-index	138417 58 g-index
106 all docs	106 docs citations	106 times ranked	5218 citing authors

#	Article	IF	Citations
1	A novel non-enzymatic glucose sensor based on Cu nanoparticle modified graphene sheets electrode. Analytica Chimica Acta, 2012, 709, 47-53.	2.6	512
2	Tannic Acid Induced Self-Assembly of Three-Dimensional Graphene with Good Adsorption and Antibacterial Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 1404-1413.	3.2	214
3	Double Recognition and Selective Extraction of Glycoprotein Based on the Molecular Imprinted Graphene Oxide and Boronate Affinity. ACS Applied Materials & Interfaces, 2017, 9, 7735-7744.	4.0	131
4	Efficient One-Pot Synthesis of Mussel-Inspired Molecularly Imprinted Polymer Coated Graphene for Protein-Specific Recognition and Fast Separation. Journal of Physical Chemistry C, 2013, 117, 18448-18456.	1.5	110
5	Three-dimensional graphene-polyaniline hybrid hollow spheres by layer-by-layer assembly for application in supercapacitor. Electrochimica Acta, 2015, 173, 184-192.	2.6	110
6	Tannic acid functionalized graphene hydrogel for entrapping gold nanoparticles with high catalytic performance toward dye reduction. Journal of Hazardous Materials, 2015, 300, 615-623.	6.5	104
7	Glucose sensors based on electrodeposition of molecularly imprinted polymeric micelles: A novel strategy for MIP sensors. Biosensors and Bioelectronics, 2011, 26, 2607-2612.	5.3	96
8	In situ green synthesis of Au nanoparticles onto polydopamine-functionalized graphene for catalytic reduction of nitrophenol. RSC Advances, 2014, 4, 64816-64824.	1.7	95
9	Efficient Toughening of Epoxyâ€“Anhydride Thermosets with a Biobased Tannic Acid Derivative. ACS Sustainable Chemistry and Engineering, 2017, 5, 596-603.	3.2	80
10	Electrochemical sensor for bovine hemoglobin based on a novel graphene-molecular imprinted polymers composite as recognition element. Sensors and Actuators B: Chemical, 2014, 203, 782-789.	4.0	78
11	Emission and Accumulation of Monoterpene and the Key Terpene Synthase (TPS) Associated with Monoterpene Biosynthesis in Osmanthus fragrans Lour. Frontiers in Plant Science, 2015, 6, 1232.	1.7	78
12	Facile one-step electrochemical fabrication of a non-enzymatic glucose-selective glassy carbon electrode modified with copper nanoparticles and graphene. Mikrochimica Acta, 2012, 177, 485-490.	2.5	76
13	Preparation of a Magnetic Molecularly Imprinted Graphene Composite Highly Adsorbent for 4-Nitrophenol in Aqueous Medium. ACS Sustainable Chemistry and Engineering, 2016, 4, 3316-3326.	3.2	73
14	A novel electrochemical sensor for paracetamol based on molecularly imprinted polymeric micelles. Sensors and Actuators B: Chemical, 2013, 188, 909-916.	4.0	72
15	Synthesis of Temperature/pH Dual-Stimuli-Response Multicompartmental Microcapsules via Pickering Emulsion for Preprogrammable Payload Release. ACS Applied Materials & Interfaces, 2020, 12, 4821-4832.	4.0	68
16	Synthesis of hydrophilic and conductive molecularly imprinted polyaniline particles for the sensitive and selective protein detection. Biosensors and Bioelectronics, 2017, 94, 39-46.	5.3	63
17	Synthesis of stable aqueous dispersion of graphene/polyaniline composite mediated by polystyrene sulfonic acid. Journal of Polymer Science Part A, 2012, 50, 4888-4894.	2.5	62
18	Synthesis of inhibitor-loaded polyaniline microcapsules with dual anti-corrosion functions for protection of carbon steel. Electrochimica Acta, 2020, 364, 137299.	2.6	62

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19	A facile approach for synthesizing molecularly imprinted graphene for ultrasensitive and selective electrochemical detecting 4-nitrophenol. Analytica Chimica Acta, 2015, 864, 74-84.	2.6	61
20	Self-assembled polymeric nanoparticles film stabilizing gold nanoparticles as a versatile platform for ultrasensitive detection of carcino-embryonic antigen. Biosensors and Bioelectronics, 2017, 92, 570-576.	5.3	60
21	Synthesis of Water-Dispersible Molecularly Imprinted Electroactive Nanoparticles for the Sensitive and Selective Paracetamol Detection. ACS Applied Materials & Interfaces, 2016, 8, 21028-21038.	4.0	57
22	Synthesis of New Biobased Antibacterial Methacrylates Derived from Tannic Acid and Their Application in UV-Cured Coatings. Industrial & Engineering Chemistry Research, 2014, 53, 10835-10840.	1.8	56
23	Molecularly imprinted polymeric nanoparticles decorated with Au NPs for highly sensitive and selective glucose detection. Biosensors and Bioelectronics, 2018, 100, 497-503.	5.3	56
24	A facile approach for imprinting protein on the surface of multi-walled carbon nanotubes. Talanta, 2014, 120, 76-83.	2.9	52
25	Noncovalent functionalization of carbon nanotubes via co-deposition of tannic acid and polyethyleneimine for reinforcement and conductivity improvement in epoxy composite. Composites Science and Technology, 2019, 170, 25-33.	3.8	51
26	One-pot synthesis of a graphene oxide coated with an imprinted solâ€“gel for use in electrochemical sensing of paracetamol. Mikrochimica Acta, 2014, 181, 1257-1266.	2.5	47
27	Selective and sensitive glycoprotein detection via a biomimetic electrochemical sensor based on surface molecular imprinting and boronate-modified reduced graphene oxide. Sensors and Actuators B: Chemical, 2018, 259, 1-9.	4.0	47
28	Preparation of water-compatible molecular imprinted conductive polyaniline nanoparticles using polymeric micelle as nanoreactor for enhanced paracetamol detection. Chemical Engineering Journal, 2016, 283, 1118-1126.	6.6	46
29	Molecularly imprinted photo-sensitive polyglutamic acid nanoparticles for electrochemical sensing of hemoglobin. Mikrochimica Acta, 2015, 182, 175-183.	2.5	44
30	Necklace-like Molecularly Imprinted Nanohybrids Based on Polymeric Nanoparticles Decorated Multiwalled Carbon Nanotubes for Highly Sensitive and Selective Melamine Detection. ACS Applied Materials & Interfaces, 2018, 10, 24850-24859.	4.0	44
31	A Versatile Naphthalimideâ€“Sulfonamideâ€Coated Tetraphenylethene: Aggregationâ€Induced Emission Behavior, Mechanochromism, and Tracking Glutathione in Living Cells. Chemistry - an Asian Journal, 2019, 14, 890-895.	1.7	44
32	Preparation of dual-chamber microcapsule by Pickering emulsion for self-healing application with ultra-high healing efficiency. Journal of Colloid and Interface Science, 2021, 600, 660-669.	5.0	42
33	A glassy carbon electrode modified with an amphiphilic, electroactive and photosensitive polymer and with multi-walled carbon nanotubes for simultaneous determination of dopamine and paracetamol. Mikrochimica Acta, 2016, 183, 1543-1551.	2.5	41
34	Hollow graphene-polyaniline hybrid spheres using sulfonated graphene as Pickering stabilizer for high performance supercapacitors. Electrochimica Acta, 2018, 272, 221-232.	2.6	35
35	Water-dispersible molecularly imprinted nanohybrids via co-assembly of carbon nanotubes with amphiphilic copolymer and photocrosslinking for highly sensitive and selective paracetamol detection. Biosensors and Bioelectronics, 2018, 117, 713-719.	5.3	35
36	Layer-by-layer assembled ionic-liquid functionalized grapheneâ€“polyaniline nanocomposite with enhanced electrochemical sensing properties. Journal of Materials Chemistry C, 2014, 2, 4818.	2.7	34

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37	Tannic Acid as a Bio-Based Modifier of Epoxy/Anhydride Thermosets. Polymers, 2016, 8, 314.	2.0	34
38	Layer-by-layer self-assembled hybrid multilayer films based on poly(sodium 4-styrenesulfonate) stabilized graphene with polyaniline and their electrochemical sensing properties. RSC Advances, 2013, 3, 17866.	1.7	33
39	Tannic acid stabilized silver nanoparticles for inkjet printing of conductive flexible electronics. RSC Advances, 2016, 6, 83720-83729.	1.7	32
40	Electrochemical protein recognition based on macromolecular self-assembly of molecularly imprinted polymer: a new strategy to mimic antibody for label-free biosensing. Journal of Materials Chemistry B, 2019, 7, 2311-2319.	2.9	32
41	Green Synthesis of Water-Compatible Fluorescent Molecularly Imprinted Polymeric Nanoparticles for Efficient Detection of Paracetamol. ACS Sustainable Chemistry and Engineering, 2018, 6, 9760-9770.	3.2	28
42	Three-dimensional Agâ€“tannic acidâ€“graphene as an antibacterial material. New Journal of Chemistry, 2016, 40, 6332-6339.	1.4	27
43	A comparative study of lignocellulosic nanofibrils isolated from celery using oxalic acid hydrolysis followed by sonication and mechanical fibrillation. Cellulose, 2019, 26, 5237-5246.	2.4	27
44	Design and Synthesis of Self-Healable Superhydrophobic Coatings for Oil/Water Separation. Langmuir, 2020, 36, 15309-15318.	1.6	27
45	Molecularly imprinted nanohybrids based on dopamine-modified poly(Î³-glutamic acid) for electrochemical sensing of melamine. Biosensors and Bioelectronics, 2016, 85, 381-386.	5.3	25
46	Noncovalent functionalization of carbon nanotube using poly(vinylcarbazole)â€based compatibilizer for reinforcement and conductivity improvement in epoxy composite. Journal of Applied Polymer Science, 2017, 134, .	1.3	24
47	Paracetamol Sensor Based on Molecular Imprinting by Photosensitive Polymers. Electroanalysis, 2013, 25, 1907-1916.	1.5	23
48	Dispersion of carbon nanotubes in water by self-assembled micelles of branched amphiphilic multifunctional copolymers with photosensitivity and electroactivity. Journal of Materials Chemistry A, 2014, 2, 14481-14492.	5.2	23
49	Synthesis of robust polyaniline microcapsules via UV-initiated emulsion polymerization for self-healing and anti-corrosion coating. Progress in Organic Coatings, 2022, 162, 106592.	1.9	23
50	Expression of MEP Pathway Genes and Non-volatile Sequestration Are Associated with Circadian Rhythm of Dominant Terpenoids Emission in Osmanthus fragrans Lour. Flowers. Frontiers in Plant Science, 2017, 8, 1869.	1.7	22
51	Photoresponsive waterâ€dispersible polyaniline nanoparticles through template synthesis with copolymer micelle containing coumarin groups. Journal of Polymer Science Part A, 2012, 50, 4037-4045.	2.5	21
52	Liquid Marbles Stabilized by Fluorine-Bearing Cyclomatrix Polyphosphazene Particles and Their Application as High-Efficiency Miniature Reactors. Langmuir, 2016, 32, 1707-1715.	1.6	20
53	Unique Metal Cation Recognition via Crown Ether-Derivatized Oligo(phenyleneethynylene) Molecular Junction. Journal of Physical Chemistry C, 2020, 124, 8496-8503.	1.5	20
54	One-pot green synthesis of nanohybrid structures: gold nanoparticles in poly(Î³-glutamic acid) copolymer nanoparticles. RSC Advances, 2014, 4, 25106.	1.7	19

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55	Reactive copolymer functionalized graphene sheet for enhanced mechanical and thermal properties of epoxy composites. Journal of Polymer Science Part A, 2015, 53, 2776-2785.	2.5	19
56	Preparation and Application of Water-in-Oil Emulsions Stabilized by Modified Graphene Oxide. Materials, 2016, 9, 731.	1.3	18
57	Preparation of silver nanoparticles with hyperbranched polymers as a stabilizer for inkjet printing of flexible circuits. New Journal of Chemistry, 2019, 43, 2797-2803.	1.4	18
58	A Temperatureâ€Responsive Boronate Core Crossâ€Linked Star (CCS) Polymer for Fast and Highly Efficient Enrichment of Glycoproteins. Small, 2019, 15, e1900099.	5.2	18
59	Synthesis of Polyaniline@MnO₂/Graphene Ternary Hybrid Hollow Spheres via Pickering Emulsion Polymerization for Electrochemical Supercapacitors. ACS Applied Energy Materials, 2021, 4, 7721-7730.	2.5	18
60	Long Conducting and Water-Compatible Polymer/Carbon Nanotubes Nanocomposite with â€œBeads-on-a-Stringâ€•Structure as a Highly Effective Electrochemical Sensing Material. ACS Sustainable Chemistry and Engineering, 2019, 7, 3556-3566.	3.2	17
61	Multiwalled carbon nanotubes noncovalently functionalized by electro-active amphiphilic copolymer micelles for selective dopamine detection. RSC Advances, 2015, 5, 18233-18241.	1.7	15
62	Green Synthesis of Silver Nanoparticles by Tannic Acid with Improved Catalytic Performance Towards the Reduction of Methylene Blue. Nano, 2018, 13, 1850003.	0.5	15
63	Fluorescent molecularly imprinted nanoparticles with boronate affinity for selective glycoprotein detection. Journal of Materials Chemistry B, 2020, 8, 6469-6480.	2.9	15
64	Expression of DAZL Gene in Selected Tissues and Association of Its Polymorphisms with Testicular Size in Hu Sheep. Animals, 2020, 10, 740.	1.0	14
65	Robust Damage-Reporting Strategy Enabled by Dual-Compartment Microcapsules. ACS Applied Materials & Interfaces, 2021, 13, 14518-14529.	4.0	14
66	Preparation of molecularly imprinted polymer/Au nanohybrids as an effective biosensing material. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 95-102.	2.3	13
67	Screen-Printed Carbon Electrodes Modified with Polymeric Nanoparticle-Carbon Nanotube Composites for Enzymatic Biosensing. ACS Applied Nano Materials, 2020, 3, 9158-9166.	2.4	13
68	Fabrication of dual anti-corrosive polyaniline microcapsules via Pickering emulsion for active corrosion protection of steel. Soft Matter, 2022, 18, 2829-2841.	1.2	13
69	CmNAC73 Mediates the Formation of Green Color in Chrysanthemum Flowers by Directly Activating the Expression of Chlorophyll Biosynthesis Genes HEMA1 and CRD1. Genes, 2021, 12, 704.	1.0	12
70	Tissue specificity of (E)-Î²-farnesene and germacrene D accumulation in pyrethrum flowers. Phytochemistry, 2021, 187, 112768.	1.4	12
71	Sixâ€arm starâ€shaped polymer with cyclophosphazene core and poly(Îµâ€caprolactone) arms as modifier of epoxy thermosets. Journal of Applied Polymer Science, 2017, 134, .	1.3	11
72	Electrochemical Sensor Coating Based on Electrophoretic Deposition of Au-Doped Self-Assembled Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 5926-5932.	4.0	11

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73	A leader-following formation control of multiple mobile robots with obstacle. , 2015, , .		10
74	Micelle-assisted synthesis of PANI nanoparticles and application as particulate emulsifier. Colloid and Polymer Science, 2014, 292, 653-660.	1.0	9
75	Preparation of photo-sensitive poly(Î³-glutamic acid) nanoparticles and application for immobilizing hemoglobin on electrode. Colloid and Polymer Science, 2014, 292, 2295-2302.	1.0	9
76	Gold nanoparticles for smart and recoverable catalyst using thermo-responsive core-crosslinked star polymer as the nanoreactor. Applied Surface Science, 2020, 507, 144950.	3.1	9
77	Identification of Chlorophyll Metabolism- and Photosynthesis-Related Genes Regulating Green Flower Color in Chrysanthemum by Integrative Transcriptome and Weighted Correlation Network Analyses. Genes, 2021, 12, 449.	1.0	9
78	Rose (Rosa hybrida) Ethylene Responsive Factor 3 Promotes Rose Flower Senescence via Direct Activation of the Abscisic Acid Synthesisâ€“Related 9-CIS-EPOXYCAROTENOID DIOXYGENASE Gene. Plant and Cell Physiology, 2021, 62, 1030-1043.	1.5	9
79	Transcriptional Responses and GCMS Analysis for the Biosynthesis of Pyrethrins and Volatile Terpenes in Tanacetum coccineum. International Journal of Molecular Sciences, 2021, 22, 13005.	1.8	9
80	A biting-down approach to hierarchical decomposition of object-oriented systems based on structure analysis. Journal of Software: Evolution and Process, 2010, 22, 567-596.	1.1	8
81	Micelle-encapsulated multi-wall carbon nanotubes with photosensitive copolymer and its application in the detection of dopamine. Colloid and Polymer Science, 2014, 292, 153-161.	1.0	8
82	A random acrylate copolymer with epoxyâ€amphiphilic structure as an efficient toughener for an epoxy/anhydride system. Journal of Applied Polymer Science, 2017, 134, .	1.3	8
83	One-pot synthesis of tetramethyl biphenyl backboned hyperbranched epoxy resin as an efficient toughening modifier for two epoxy curing systems. Polymer Bulletin, 2018, 75, 4571-4586.	1.7	8
84	Tannic acid stabilized antioxidation copper nanoparticles in aqueous solution for application in conductive ink. Journal of Materials Science: Materials in Electronics, 2018, 29, 20603-20606.	1.1	8
85	Complete genome sequence of Achromobacter spanius type strain DSM 23806T, a pathogen isolated from human blood. Journal of Global Antimicrobial Resistance, 2018, 14, 1-3.	0.9	8
86	Aqueous Dispersions of Carbon Nanotubes with Self-assembled Micelles of Photosensitive Amphiphilic Random Copolymer Containing Coumarin. Chemistry Letters, 2012, 41, 50-52.	0.7	7
87	Reactive particles from in situ silaneâ€polycondensationâ€induced selfâ€assembly of poly(styreneâ€altâ€maleic anhydride) as toughener for epoxy resins. Journal of Applied Polymer Science, 2019, 136, 47565.	1.3	7
88	Investigation of the Contact Angle and Packing Density of Silica Nanoparticles at a Pickering Emulsion Interface Fixed by UV Polymerization. Langmuir, 2022, 38, 4234-4242.	1.6	7
89	Noncovalent functionalization of carbon nanotubes using branched random copolymer for improvement of thermal conductivity and mechanical properties of epoxy thermosets. Polymer International, 2018, 67, 1128-1136.	1.6	6
90	Research on Amphiphilic Copolymer MIP Micelles Electrochemical Sensor. Acta Chimica Sinica, 2013, 71, 934.	0.5	6

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91	Synthesis of graphene oxide functionalized by phytic acid for anticorrosive reinforcement of waterborne epoxy coating. Journal of Applied Polymer Science, 2022, 139, 51910.	1.3	6
92	Ribozyme-mediated CRISPR/Cas9 gene editing in pyrethrum (Tanacetum cinerariifolium) hairy roots using a RNA polymerase II-dependent promoter. Plant Methods, 2022, 18, 32.	1.9	6
93	Distributed consensus analysis for a class of heterogeneous multi-agent systems composed of first-order and fourth-order integrators. , 2016, , .		5
94	Polyaniline-graphene Hollow Spheres based on Graphene Stabilized Pickering Emulsions. Acta Chimica Sinica, 2017, 75, 391.	0.5	5
95	Overexpression of TcCHS Increases Pyrethrin Content When Using a Genotype-Independent Transformation System in Pyrethrum (Tanacetum cinerariifolium). Plants, 2022, 11, 1575.	1.6	5
96	Characteristics of saline lake shale oil reservoir and its influence on shale oil enrichment in the Qianjiang Formation, Qianjiang Depression, Jianghan Basin, China. Geological Journal, 2021, 56, 2977-2996.	0.6	4
97	SMRT and Illumina RNA Sequencing and Characterization of a Key NAC Gene LoNAC29 during the Flower Senescence in Lilium oriental â€˜Siberiaâ€™. Genes, 2021, 12, 869.	1.0	4
98	Photosensitive acrylate copolymer for electrodeposition photoresist. Polymer Science - Series A, 2013, 55, 225-232.	0.4	3
99	One-pot facile preparation of Ag nanoparticles for chloride ion sensing. Colloid and Polymer Science, 2016, 294, 1643-1649.	1.0	3
100	Complete genome sequence of Achromobacter insolitus type strain LMG 6003T, a pathogen isolated from leg wound. Pathogens and Disease, 2017, 75, .	0.8	3
101	Controlled synthesis of thermoresponsive polymers derived from <scp>l</scp>â€Lysine, a biorenewable resource. Journal of Polymer Science Part A, 2019, 57, 862-868.	2.5	3
102	Electricâ€fieldâ€induced aggregation of polymeric micelles to construct secondary assembly films. Journal of Applied Polymer Science, 2013, 127, 2816-2822.	1.3	2
103	The Numerical Simulation of Multi-Directional Forging EQ153 Steering Knuckle. Applied Mechanics and Materials, 2013, 321-324, 230-233.	0.2	2
104	Preparation and Properties of Aqueous SCNTs Dispersion based on A UV-curable Polymeric Dispersant. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 485-491.	0.4	1
105	Humic acid assisted chemical synthesis of silver nanoparticles for inkjet printing of flexible circuits. Journal of Materials Science: Materials in Electronics, 2019, 30, 20400-20409.	1.1	1