Xiaoya Liu

List of Publications by Year in descending order

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62 papers	2,092 citations	201658 27 h-index	243610 44 g-index
62 all docs	62 docs citations	62 times ranked	2802 citing authors

#	Article	IF	Citations
1	Bowl-Shaped Aggregates from the Self-Assembly of an Amphiphilic Random Copolymer of Poly(styrene-co-methacrylic acid). Macromolecules, 2005, 38, 6749-6751.	4.8	147
2	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.	3.1	110
3	Tannic acid functionalized graphene hydrogel for entrapping gold nanoparticles with high catalytic performance toward dye reduction. Journal of Hazardous Materials, 2015, 300, 615-623.	12.4	104
4	Glucose sensors based on electrodeposition of molecularly imprinted polymeric micelles: A novel strategy for MIP sensors. Biosensors and Bioelectronics, 2011, 26, 2607-2612.	10.1	96
5	In situ green synthesis of Au nanoparticles onto polydopamine-functionalized graphene for catalytic reduction of nitrophenol. RSC Advances, 2014, 4, 64816-64824.	3.6	95
6	Pickering emulsions stabilized by self-assembled colloidal particles of copolymers of P(St-alt-MAn)-co-P(VM-alt-MAn). Journal of Colloid and Interface Science, 2010, 351, 315-322.	9.4	76
7	A novel electrochemical sensor for paracetamol based on molecularly imprinted polymeric micelles. Sensors and Actuators B: Chemical, 2013, 188, 909-916.	7.8	72
8	Synthesis of hydrophilic and conductive molecularly imprinted polyaniline particles for the sensitive and selective protein detection. Biosensors and Bioelectronics, 2017, 94, 39-46.	10.1	63
9	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.	10.1	60
10	Synthesis of Water-Dispersible Molecularly Imprinted Electroactive Nanoparticles for the Sensitive and Selective Paracetamol Detection. ACS Applied Materials & Interfaces, 2016, 8, 21028-21038.	8.0	57
11	Dual-responsive poly(styrene-alt-maleic acid)-graft-poly(N-isopropyl acrylamide) micelles as switchable emulsifiers. Journal of Colloid and Interface Science, 2012, 380, 90-98.	9.4	56
12	Molecularly imprinted polymeric nanoparticles decorated with Au NPs for highly sensitive and selective glucose detection. Biosensors and Bioelectronics, 2018, 100, 497-503.	10.1	56
13	Electrophoretic deposition of colloidal particles on Mg with cytocompatibility, antibacterial performance, and corrosion resistance. Acta Biomaterialia, 2016, 45, 387-398.	8.3	53
14	A facile approach for imprinting protein on the surface of multi-walled carbon nanotubes. Talanta, 2014, 120, 76-83.	5.5	52
15	Photoinduced Morphology Switching of Polymer Nanoaggregates in Aqueous Solution. Langmuir, 2010, 26, 14247-14254.	3.5	51
16	Self-Assembly of Mixtures of Block Copolymers of Poly(styrene-b-acrylic acid) with Random Copolymers of Poly(styrene-co-methacrylic acid). Langmuir, 2006, 22, 419-424.	3.5	47
17	Molecularly imprinted photo-sensitive polyglutamic acid nanoparticles for electrochemical sensing of hemoglobin. Mikrochimica Acta, 2015, 182, 175-183.	5.0	44
18	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.	8.0	44

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19	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.	5.0	41
20	Facile one-step fabrication of glucose oxidase loaded polymeric nanoparticles decorating MWCNTs for constructing glucose biosensing platform: Structure matters. Biosensors and Bioelectronics, 2019, 135, 153-159.	10.1	37
21	A nanocomposite consisting of carbon nanotubes and gold nanoparticles in an amphiphilic copolymer for voltammetric determination of dopamine, paracetamol and uric acid. Mikrochimica Acta, 2017, 184, 1739-1745.	5.0	36
22	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.	10.1	35
23	Influence of Photo-Cross-Linking on Emulsifying Performance of the Self-Assemblies of Poly(7-(4-vinylbenzyloxyl)-4-methylcoumarin-co-acrylic acid). Langmuir, 2014, 30, 6669-6677.	3.5	34
24	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.	5.8	32
25	Self-assembly and emulsification of dopamine-modified hyaluronan. Carbohydrate Polymers, 2015, 123, 72-79.	10.2	30
26	Silver Nanoparticle-Enzyme Composite Films for Hydrogen Peroxide Detection. ACS Applied Nano Materials, 2019, 2, 5910-5921.	5.0	29
27	Green Synthesis of Water-Compatible Fluorescent Molecularly Imprinted Polymeric Nanoparticles for Efficient Detection of Paracetamol. ACS Sustainable Chemistry and Engineering, 2018, 6, 9760-9770.	6.7	28
28	Molecularly imprinted nanohybrids based on dopamine-modified poly(Î³-glutamic acid) for electrochemical sensing of melamine. Biosensors and Bioelectronics, 2016, 85, 381-386.	10.1	25
29	Hierarchical 0D-2D bio-composite film based on enzyme-loaded polymeric nanoparticles decorating graphene nanosheets as a high-performance bio-sensing platform. Biosensors and Bioelectronics, 2020, 156, 112134.	10.1	25
30	Reduced Graphene Oxide-Coated Silica Nanospheres as Flexible Enzymatic Biosensors for Detection of Glucose in Sweat. ACS Applied Nano Materials, 2021, 4, 12442-12452.	5.0	24
31	Paracetamol Sensor Based on Molecular Imprinting by Photosensitive Polymers. Electroanalysis, 2013, 25, 1907-1916.	2.9	23
32	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.	10.3	23
33	One-Step Electrodeposition of Self-Assembled Colloidal Particles: A Novel Strategy for Biomedical Coating. Langmuir, 2014, 30, 11002-11010.	3.5	22
34	Preparation of photo-crosslinked aliphatic polycarbonate coatings with predictable degradation behavior on magnesium-alloy stents by electrophoretic deposition. Chemical Engineering Journal, 2022, 427, 131596.	12.7	22
35	Controlled release and corrosion protection by self-assembled colloidal particles electrodeposited onto magnesium alloys. Journal of Materials Chemistry B, 2015, 3, 1667-1676.	5.8	20
36	Effect of chain microstructure on self-assembly and emulsification of amphiphilic poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.8	19

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37	Self-assembled micelles based on branched poly(styrene-alt-maleic anhydride) as particulate emulsifiers. RSC Advances, 2015, 5, 1564-1570.	3.6	18
38	A novel flexible UV-cured carbon nanotube composite film for humidity sensing. Sensors and Actuators B: Chemical, 2019, 297, 126785.	7.8	18
39	A Temperatureâ€Responsive Boronate Core Crossâ€Linked Star (CCS) Polymer for Fast and Highly Efficient Enrichment of Glycoproteins. Small, 2019, 15, e1900099.	10.0	18
40	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.	6.7	17
41	â€œOlive-Structuredâ€•Nanocomposite Based on Multiwalled Carbon Nanotubes Decorated with an Electroactive Copolymer for Environmental Nitrite Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 17424-17431.	6.7	16
42	A fabrication strategy for protein sensors based on an electroactive molecularly imprinted polymer: Cases of bovine serum albumin and trypsin sensing. Analytica Chimica Acta, 2020, 1117, 25-34.	5.4	16
43	Multiwalled carbon nanotubes noncovalently functionalized by electro-active amphiphilic copolymer micelles for selective dopamine detection. RSC Advances, 2015, 5, 18233-18241.	3.6	15
44	Liquidâ€“liquid interfacial behavior of dopamine modified poly(Î³-glutamic acid) polymer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 218-223.	4.7	15
45	Fluorescent molecularly imprinted nanoparticles with boronate affinity for selective glycoprotein detection. Journal of Materials Chemistry B, 2020, 8, 6469-6480.	5.8	15
46	Photo-Cross-Linked Polycarbonate Coating with Surface-Erosion Behavior for Corrosion Resistance and Cytocompatibility Enhancement of Magnesium Alloy. ACS Applied Bio Materials, 2020, 3, 4427-4435.	4.6	14
47	Zwitterionic-Based Surface via the Coelectrodeposition of Colloid Particles and Tannic Acid with Bacterial Resistance but Cell Adhesion Properties. ACS Biomaterials Science and Engineering, 2018, 4, 4122-4131.	5.2	13
48	Preparation of molecularly imprinted polymer/Au nanohybrids as an effective biosensing material. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 95-102.	4.7	13
49	Screen-Printed Carbon Electrodes Modified with Polymeric Nanoparticle-Carbon Nanotube Composites for Enzymatic Biosensing. ACS Applied Nano Materials, 2020, 3, 9158-9166.	5.0	13
50	Pickering emulsions stabilized by self-assembled colloidal particles of amphiphilic branched random poly(styrene- co -acrylic acid). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 58-65.	4.7	11
51	Electrochemical Sensor Coating Based on Electrophoretic Deposition of Au-Doped Self-Assembled Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 5926-5932.	8.0	11
52	Dextran-caffeic acid/tetraaniline composite coatings for simultaneous improvement of cytocompatibility and corrosion resistance of magnesium alloy. Progress in Organic Coatings, 2020, 149, 105928.	3.9	11
53	Facile fabrication of biodegradable endothelium-mimicking coatings on bioabsorbable zinc-alloy stents by one-step electrophoretic deposition. Journal of Materials Chemistry B, 2022, 10, 3083-3096.	5.8	11
54	Polymeric nanoparticles-based multi-functional coatings on NiTi alloy with nickel ion release control, cytocompatibility, and antibacterial performance. New Journal of Chemistry, 2019, 43, 1551-1561.	2.8	10

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55	Colloidal particle based electrodeposition coatings on NiTi alloy: Reduced releasing of nickel ions and improved biocompatibility. Materials Letters, 2018, 230, 228-231.	2.6	9
56	Gold nanoparticles for smart and recoverable catalyst using thermo-responsive core-crosslinked star polymer as the nanoreactor. Applied Surface Science, 2020, 507, 144950.	6.1	9
57	Aqueous Dispersions of Carbon Nanotubes with Self-assembled Micelles of Photosensitive Amphiphilic Random Copolymer Containing Coumarin. Chemistry Letters, 2012, 41, 50-52.	1.3	7
58	Preparation and electrochemical application of an <scp>AgNW</scp>/graphene/<scp>SU</scp>â€8 composite conductive photoresist. Journal of Applied Polymer Science, 2021, 138, 51205.	2.6	6
59	Research on Amphiphilic Copolymer MIP Micelles Electrochemical Sensor. Acta Chimica Sinica, 2013, 71, 934.	1.4	6
60	An electro-active amphiphilic copolymer to functionalize carbon nanotubes for highly sensitive determination of nitrite in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 576, 123-129.	4.7	5
61	Core cross-linked and pH-responsive particulate emulsifiers from direct chemical preparation of divinylbenzene with P(AA- r -St) macro-CTA. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 358-366.	4.7	4
62	Photosensitive acrylate copolymer for electrodeposition photoresist. Polymer Science - Series A, 2013, 55, 225-232.	1.0	3