

Liqun Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3711322/publications.pdf>

Version: 2024-02-01

102
papers

4,628
citations

87723

38
h-index

110170

64
g-index

104
all docs

104
docs citations

104
times ranked

7182
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine-Induced Reduction and Functionalization of Graphene Oxide Nanosheets. <i>Macromolecules</i> , 2010, 43, 8336-8339.	2.2	719
2	Natural polyphenols as versatile platforms for material engineering and surface functionalization. <i>Progress in Polymer Science</i> , 2018, 87, 165-196.	11.8	225
3	One-pot synthesis of nitrogen and sulfur co-doped carbon dots and its application for sensor and multicolor cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 167-174.	5.0	145
4	Surface Modification of Silicone for Biomedical Applications Requiring Long-Term Antibacterial, Antifouling, and Hemocompatible Properties. <i>Langmuir</i> , 2012, 28, 16408-16422.	1.6	139
5	Reduction of Graphene Oxide by Aniline with Its Concomitant Oxidative Polymerization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 684-688.	2.0	135
6	Tea Stains-Inspired Initiator Primer for Surface Grafting of Antifouling and Antimicrobial Polymer Brush Coatings. <i>Biomacromolecules</i> , 2015, 16, 723-732.	2.6	122
7	Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. <i>Biomacromolecules</i> , 2018, 19, 2156-2165.	2.6	108
8	Functionalized Mesoporous Silica Nanoparticles with Mucoadhesive and Sustained Drug Release Properties for Potential Bladder Cancer Therapy. <i>Langmuir</i> , 2014, 30, 6151-6161.	1.6	101
9	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. <i>Polymer</i> , 2011, 52, 2376-2383.	1.8	89
10	Facile synthesis of a two-tier hierarchical structured superhydrophobic-superoleophilic melamine sponge for rapid and efficient oil/water separation. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 659-668.	5.0	89
11	Polymeric Nanoparticles with Encapsulated Superparamagnetic Iron Oxide and Conjugated Cisplatin for Potential Bladder Cancer Therapy. <i>Biomacromolecules</i> , 2012, 13, 2513-2520.	2.6	79
12	Hairy Hollow Microspheres of Fluorescent Shell and Temperature-Responsive Brushes via Combined Distillation-Precipitation Polymerization and Thiol-ene Click Chemistry. <i>Macromolecules</i> , 2010, 43, 5797-5803.	2.2	77
13	Growing poly(<i>N</i> -vinylcarbazole) from the surface of graphene oxide via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2043-2050.	2.5	76
14	Push-Pull archetype of reduced graphene oxide functionalized with polyfluorene for nonvolatile rewritable memory. <i>Journal of Polymer Science Part A</i> , 2012, 50, 378-387.	2.5	71
15	A highly sensitive aptasensor for OTA detection based on hybridization chain reaction and fluorescent perylene probe. <i>Biosensors and Bioelectronics</i> , 2016, 81, 125-130.	5.3	69
16	Synthesis of catechol and zwitterion-bifunctionalized poly(ethylene glycol) for the construction of antifouling surfaces. <i>Polymer Chemistry</i> , 2016, 7, 493-501.	1.9	68
17	Increasing bacterial affinity and cytocompatibility with four-arm star glycopolymers and antimicrobial β -polylysine. <i>Polymer Chemistry</i> , 2017, 8, 3364-3373.	1.9	67
18	Facile Synthesis of N, B-Doped Carbon Dots and Their Application for Multisensor and Cellular Imaging. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3905-3912.	1.8	60

#	ARTICLE	IF	CITATIONS
19	One-Pot Preparation of Ferrocene-Functionalized Polymer Brushes on Gold Substrates by Combined Surface-Initiated Atom Transfer Radical Polymerization and "Click Chemistry". <i>Langmuir</i> , 2010, 26, 15376-15382.	1.6	57
20	In Situ Synthesis and Nonvolatile Rewritable "Memory Effect of Polyaniline-Functionalized Graphene Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 6265-6273.	1.7	55
21	Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for "click"™ functionalization. <i>Polymer Chemistry</i> , 2012, 3, 920.	1.9	54
22	Rhodamine derivative-modified filter papers for colorimetric and fluorescent detection of Hg ²⁺ in aqueous media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2526.	5.2	54
23	Tannic acid anchored layer-by-layer covalent deposition of parasin I peptide for antifouling and antimicrobial coatings. <i>RSC Advances</i> , 2016, 6, 14809-14818.	1.7	53
24	Sliding-Graft Interpenetrating Polymer Networks from Simultaneous "Click Chemistry" and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2010, 43, 9761-9770.	2.2	52
25	Deposition of catechol-functionalized chitosan and silver nanoparticles on biomedical titanium surfaces for antibacterial application. <i>Materials Science and Engineering C</i> , 2019, 98, 649-656.	3.8	49
26	Simultaneous "Click Chemistry" and Atom Transfer Radical Emulsion Polymerization and Prepared Well-Defined Cross-Linked Nanoparticles. <i>Macromolecules</i> , 2009, 42, 6385-6392.	2.2	48
27	Antifouling and Antimicrobial Coatings from Zwitterionic and Cationic Binary Polymer Brushes Assembled via "Click" Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 14479-14488.	1.8	46
28	Recent progress in tannic acid-driven antibacterial/antifouling surface coating strategies. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2296-2315.	2.9	46
29	Hairy Hybrid Microrattles of Metal Nanocore with Functional Polymer Shell and Brushes. <i>Macromolecules</i> , 2011, 44, 2365-2370.	2.2	45
30	Selective removal of cationic dye from aqueous solution by low-cost adsorbent using phytic acid modified wheat straw. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 91-98.	2.3	45
31	pH-Sensitive Zwitterionic Polymer as an Antimicrobial Agent with Effective Bacterial Targeting. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 40-46.	2.6	45
32	UV-Assisted Deposition of Antibacterial Ag "Tannic Acid Nanocomposite Coating. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20708-20717.	4.0	45
33	CO ₂ -triggered fluorescence "turn-on" response of perylene diimide-containing poly(N,N-dimethylaminoethyl methacrylate). <i>Journal of Materials Chemistry A</i> , 2013, 1, 1207-1212.	5.2	44
34	Vancomycin-assisted green synthesis of reduced graphene oxide for antimicrobial applications. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 733-739.	5.0	44
35	Conjugation of Polyphosphoester and Antimicrobial Peptide for Enhanced Bactericidal Activity and Biocompatibility. <i>Biomacromolecules</i> , 2016, 17, 4037-4044.	2.6	43
36	Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1890-1901.	1.8	42

#	ARTICLE	IF	CITATIONS
37	One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. <i>Chemical Engineering Journal</i> , 2021, 421, 130005.	6.6	41
38	Nanostructured polystyrene/polyaniline/graphene hybrid materials for electrochemical supercapacitor and Na-ion battery applications. <i>Journal of Materials Science</i> , 2015, 50, 5466-5474.	1.7	40
39	An antimicrobial peptide with an aggregation-induced emission (AIE) luminogen for studying bacterial membrane interactions and antibacterial actions. <i>Chemical Communications</i> , 2017, 53, 3315-3318.	2.2	40
40	Thiol Reactive Maleimido-Containing Tannic Acid for the Bioinspired Surface Anchoring and Post-Functionalization of Antifouling Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4264-4272.	3.2	39
41	Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3055-3062.	3.2	37
42	Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. <i>RSC Advances</i> , 2014, 4, 32335-32344.	1.7	36
43	PEG-based hydrogels prepared by catalyst-free thiol-ene addition and their post-antibacterial modification. <i>Biomaterials Science</i> , 2016, 4, 1663-1672.	2.6	36
44	Antifouling, Antimicrobial, and Antibiocorrosion Multilayer Coatings Assembled by Layer-by-layer Deposition Involving Host-Guest Interaction. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10906-10915.	1.8	36
45	Carboxymethyl Chitosan-Functionalized Magnetic Nanoparticles for Disruption of Biofilms of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13164-13172.	1.8	33
46	Poly(vinylidene fluoride-co-hexafluoropropylene)-graft-poly(dopamine methacrylamide) copolymers: A nonlinear dielectric material for high energy density storage. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	31
47	Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. <i>Journal of Materials Chemistry B</i> , 2014, 2, 398-408.	2.9	31
48	In situ preparation of porous metal-organic frameworks ZIF-8@Ag on poly-ether-ether-ketone with synergistic antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111920.	2.5	31
49	A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. <i>RSC Advances</i> , 2013, 3, 25204.	1.7	30
50	Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. <i>Polymer</i> , 2013, 54, 2264-2271.	1.8	30
51	Multifunctional SQDs-CORM@HA nanosheets for bacterial eradication through cascade-activated "nanoknife" effect and photodynamic/CO gas therapy. <i>Biomaterials</i> , 2021, 277, 121084.	5.7	30
52	Co-delivery of peptide-modified cisplatin and doxorubicin via mucoadhesive nanocapsules for potential synergistic intravesical chemotherapy of non-muscle-invasive bladder cancer. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 84, 103-115.	1.9	29
53	Simultaneous deposition of tannic acid and poly(ethylene glycol) to construct the antifouling polymeric coating on Titanium surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111592.	2.5	29
54	Water-soluble highly fluorescent poly[poly(ethylene glycol) methyl ether methacrylate] for cell labeling. <i>Journal of Materials Chemistry</i> , 2011, 21, 6502.	6.7	27

#	ARTICLE	IF	CITATIONS
55	pH-Sensitive Theranostic Nanoparticles for Targeting Bacteria with Fluorescence Imaging and Dual-Modal Antimicrobial Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 6187-6196.	2.4	27
56	A well-defined amphiphilic polymer co-network from precise control of the end-functional groups of linear RAFT polymers. <i>RSC Advances</i> , 2014, 4, 8144.	1.7	26
57	Clickable poly(ester amine) dendrimer-grafted Fe ₃ O ₄ nanoparticles prepared via successive Michael addition and alkyne-azide click chemistry. <i>Polymer Chemistry</i> , 2011, 2, 1312.	1.9	25
58	Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5959-5967.	1.8	25
59	Catecholamine-Induced Electroless Metallization of Silver on Silica@Polymer Hybrid Nanospheres and Their Catalytic Applications. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3116-3124.	1.8	24
60	Polyurethane-based composites with promising antibacterial properties. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	24
61	Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 72-79.	5.0	23
62	Preparation and applications of functional nanofibers based on the combination of electrospinning, controlled radical polymerization and Click Chemistry™. <i>Nanoscale</i> , 2010, 2, 1348.	2.8	22
63	Reactive Graphene Oxide Nanosheets: A Versatile Platform for the Fabrication of Graphene Oxide-Biomolecule/Polymer Nanohybrids. <i>Macromolecular Rapid Communications</i> , 2013, 34, 234-238.	2.0	22
64	Highly sensitive aflatoxin B1 sensor based on DNA-guided assembly of fluorescent probe and TdT-assisted DNA polymerization. <i>Food Chemistry</i> , 2019, 294, 19-26.	4.2	22
65	Synthesis and characterization of fluorescent perylene bisimide-containing glycopolymers for Escherichia coli conjugation and cell imaging. <i>Polymer</i> , 2011, 52, 5764-5771.	1.8	21
66	Intradermal administration of green synthesized nanosilver (NS) through film-coated PEGDA microneedles for potential antibacterial applications. <i>Biomaterials Science</i> , 2021, 9, 2244-2254.	2.6	21
67	Fluorescent nanoparticles from self-assembly of β -cyclodextrin-functionalized fluorene copolymers for organic molecule sensing and cell labeling. <i>Polymer Chemistry</i> , 2012, 3, 2444.	1.9	20
68	Quaternized poly(2-(dimethylamino)ethyl methacrylate)-grafted agarose copolymers for multipurpose antibacterial applications. <i>RSC Advances</i> , 2015, 5, 61742-61751.	1.7	20
69	Nitrogen-enriched carbon sheets derived from egg white by using expanded perlite template and its high-performance supercapacitors. <i>Nanotechnology</i> , 2015, 26, 345401.	1.3	20
70	The large electrochemical capacitance of nitrogen-doped mesoporous carbon derived from egg white by using a ZnO template. <i>RSC Advances</i> , 2015, 5, 98177-98183.	1.7	19
71	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. <i>Pharmaceutical Research</i> , 2016, 33, 1161-1174.	1.7	19
72	Improvement of antibacterial activity of hydrothermal treated TC4 substrate through an in-situ grown TiO ₂ /g-C ₃ N ₄ Z-scheme heterojunction film. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155612.	2.8	19

#	ARTICLE	IF	CITATIONS
73	Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. <i>Biomaterials Science</i> , 2020, 8, 2120-2128.	2.6	19
74	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. <i>Colloids and Interface Science Communications</i> , 2020, 35, 100241.	2.0	19
75	Stimuli-responsive hydrogels prepared by simultaneous "click chemistry" and metal-ligand coordination. <i>RSC Advances</i> , 2015, 5, 18242-18251.	1.7	17
76	Preparation of mechanically-tough and thermo-responsive polyurethane-poly(ethylene glycol) hydrogels. <i>Reactive and Functional Polymers</i> , 2017, 117, 81-88.	2.0	17
77	High strength biocompatible PEG single-network hydrogels. <i>RSC Advances</i> , 2014, 4, 25241-25250.	1.7	16
78	Well-Defined Poly(ethylene glycol) Hydrogels with Enhanced Mechanical Performance Prepared by Thermally Induced Copper-Catalyzed Azide-Alkyne Cycloaddition. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1374-1382.	1.7	15
79	Antifouling coatings based on covalently cross-linked agarose film via thermal azide-alkyne cycloaddition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 65-73.	2.5	15
80	Conjugation of Lectin to Poly(ϵ -caprolactone)-block-glycopolymer Micelles for In Vitro Intravesical Drug Delivery. <i>Polymers</i> , 2016, 8, 379.	2.0	14
81	Vancomycin-conjugated polythiophene for the detection and imaging of Gram-positive bacteria. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8814-8820.	2.9	14
82	A tetraphenylethene and maltoheptaose conjugate with aggregation-induced emission (AIE) characteristic for temperature sensors. <i>New Journal of Chemistry</i> , 2018, 42, 14709-14712.	1.4	14
83	Phytic Acid-Promoted rapid fabrication of natural polypeptide coatings for multifunctional applications. <i>Chemical Engineering Journal</i> , 2022, 440, 135917.	6.6	14
84	Biomimetic anchors applied to the host-guest antifouling functionalization of titanium substrates. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 8-16.	5.0	13
85	Recent Developments in Controlled Release of Antibiotics. <i>Current Pharmaceutical Design</i> , 2018, 24, 911-925.	0.9	12
86	Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3379-3388.	2.6	11
87	Synthesis and self-assembly of four-armed star copolymer based on poly(ethylene brassylate) hydrophobic block as potential drug carriers. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	10
88	Cationic porphyrin-based nanoparticles for photodynamic inactivation and identification of bacteria strains. <i>Biomaterials Science</i> , 2022, 10, 3006-3016.	2.6	10
89	A Well-Defined Amphiphilic Polymer Conetwork from Sequence Control of the Cross-Linking in Polymer Chains. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19239-19248.	1.8	9
90	Preparation of thermoresponsive fluorescent carbon dots for cellular imaging. <i>Polymer International</i> , 2017, 66, 92-97.	1.6	9

#	ARTICLE	IF	CITATIONS
91	Robust anti-infective multilayer coatings with rapid self-healing property. <i>Materials Science and Engineering C</i> , 2021, 121, 111828.	3.8	9
92	A maltoheptaose-decorated BODIPY photosensitizer for photodynamic inactivation of Gram-positive bacteria. <i>New Journal of Chemistry</i> , 2019, 43, 15057-15065.	1.4	8
93	Preparation of well-defined fibrous hydrogels via electrospinning and in situ "click chemistry". <i>RSC Advances</i> , 2016, 6, 27871-27878.	1.7	7
94	Lanthanide ions-induced formation of hierarchical and transparent polysaccharide hybrid films. <i>Carbohydrate Polymers</i> , 2017, 163, 28-33.	5.1	7
95	Surface co-deposition of polypyrrole nanoparticles and tannic acid for photothermal bacterial eradication. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112381.	2.5	7
96	The synthesis of hydrogels with controlled distribution of polymer brushes in hydrogel network. <i>Applied Surface Science</i> , 2014, 320, 818-828.	3.1	6
97	PEGylated Metalloporphyrin Nanoparticles as a Promising Catalyst for the Heterogeneous Oxidation of Cyclohexene in Water. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 417-426.	1.1	6
98	Quaternary ammonium functionalized cationic polythiophene for the detection and imaging of gram-positive bacteria. <i>Polymer Bulletin</i> , 2022, 79, 2747-2761.	1.7	6
99	PEGylated Fluorescent Nanoparticles from One-Pot Atom Transfer Radical Polymerization and "Click Chemistry". <i>Polymers</i> , 2015, 7, 2119-2130.	2.0	5
100	Ruthenium(II)-terpyridine complexes-containing glyconanoparticles for one- and two-photon excited fluorescence imaging. <i>European Polymer Journal</i> , 2015, 71, 279-288.	2.6	3
101	Green synthesis of perylene diimide-based nanodots for carbon dioxide sensing, antibacterial activity prediction and bacterial discrimination. <i>Dyes and Pigments</i> , 2020, 176, 108245.	2.0	2
102	Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. <i>ACS Symposium Series</i> , 2018, , 233-261.	0.5	1