# Liqun Xu

List of Publications by Year
in descending order

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| 102 | 4,628 | 87723 | 110170 |
|---|---|---|---|
| papers | citations | 38 h-index | 64 g-index |

| 104 | 104 | 104 | 7182 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quaternary ammonium functionalized cationic polythiophene for the detection and imaging of gram-positive bacteria. Polymer Bulletin, 2022, 79, 2747-2761. | 1.7 | 6 |
| 2 | Recent progress in tannic acid-driven antibacterial/antifouling surface coating strategies. Journal of Materials Chemistry B, 2022, 10, 2296-2315. | 2.9 | 46 |
| 3 | <scp>Polyurethaneâ€based</scp>composites with promising antibacterial properties. Journal of Applied Polymer Science, 2022, 139, . | 1.3 | 24 |
| 4 | Surface co-deposition of polypyrrole nanoparticles and tannic acid for photothermal bacterial eradication. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112381. | 2.5 | 7 |
| 5 | Phytic Acid-Promoted rapid fabrication of natural polypeptide coatings for multifunctional applications. Chemical Engineering Journal, 2022, 440, 135917. | 6.6 | 14 |
| 6 | Cationic porphyrin-based nanoparticles for photodynamic inactivation and identification of bacteria strains. Biomaterials Science, 2022, 10, 3006-3016. | 2.6 | 10 |
| 7 | Intradermal administration of green synthesized nanosilver (NS) through film-coated PEGDA microneedles for potential antibacterial applications. Biomaterials Science, 2021, 9, 2244-2254. | 2.6 | 21 |
| 8 | Robust anti-infective multilayer coatings with rapid self-healing property. Materials Science and Engineering C, 2021, 121, 111828. | 3.8 | 9 |
| 9 | UV-Assisted Deposition of Antibacterial Agâ€“Tannic Acid Nanocomposite Coating. ACS Applied Materials & Interfaces, 2021, 13, 20708-20717. | 4.0 | 45 |
| 10 | Simultaneous deposition of tannic acid and poly(ethylene glycol) to construct the antifouling polymeric coating on Titanium surface. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111592. | 2.5 | 29 |
| 11 | Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. ACS Biomaterials Science and Engineering, 2021, 7, 3379-3388. | 2.6 | 11 |
| 12 | In situ preparation of porous metal-organic frameworks ZIF-8@Ag on poly-ether-ether-ketone with synergistic antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111920. | 2.5 | 31 |
| 13 | One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. Chemical Engineering Journal, 2021, 421, 130005. | 6.6 | 41 |
| 14 | Multifunctional SGQDs-CORM@HA nanosheets for bacterial eradication through cascade-activated â€œnanoknifeâ€•effect and photodynamic/CO gas therapy. Biomaterials, 2021, 277, 121084. | 5.7 | 30 |
| 15 | Improvement of antibacterial activity of hydrothermal treated TC4 substrate through an in-situ grown TiO2/g-C3N4 Z-scheme heterojunction film. Journal of Alloys and Compounds, 2020, 842, 155612. | 2.8 | 19 |
| 16 | Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. Biomaterials Science, 2020, 8, 2120-2128. | 2.6 | 19 |
| 17 | Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. Colloids and Interface Science Communications, 2020, 35, 100241. | 2.0 | 19 |
| 18 | Green synthesis of perylene diimide-based nanodots for carbon dioxide sensing, antibacterial activity prediction and bacterial discrimination. Dyes and Pigments, 2020, 176, 108245. | 2.0 | 2 |

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|---|---|---|---|
| 19 | A maltoheptaose-decorated BODIPY photosensitizer for photodynamic inactivation of Gram-positive bacteria. New Journal of Chemistry, 2019, 43, 15057-15065. | 1.4 | 8 |
| 20 | Highly sensitive aflatoxin B1 sensor based on DNA-guided assembly of fluorescent probe and TdT-assisted DNA polymerization. Food Chemistry, 2019, 294, 19-26. | 4.2 | 22 |
| 21 | Hydrothermal derived protoporphyrin IX nanoparticles for inactivation and imaging of bacteria strains. Journal of Colloid and Interface Science, 2019, 549, 72-79. | 5.0 | 23 |
| 22 | Deposition of catechol-functionalized chitosan and silver nanoparticles on biomedical titanium surfaces for antibacterial application. Materials Science and Engineering C, 2019, 98, 649-656. | 3.8 | 49 |
| 23 | Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. Biomacromolecules, 2018, 19, 2156-2165. | 2.6 | 108 |
| 24 | Vancomycin-assisted green synthesis of reduced graphene oxide for antimicrobial applications. Journal of Colloid and Interface Science, 2018, 514, 733-739. | 5.0 | 44 |
| 25 | pH-Sensitive Zwitterionic Polymer as an Antimicrobial Agent with Effective Bacterial Targeting. ACS Biomaterials Science and Engineering, 2018, 4, 40-46. | 2.6 | 45 |
| 26 | pH-Sensitive Theranostic Nanoparticles for Targeting Bacteria with Fluorescence Imaging and Dual-Modal Antimicrobial Therapy. ACS Applied Nano Materials, 2018, 1, 6187-6196. | 2.4 | 27 |
| 27 | Natural polyphenols as versatile platforms for material engineering and surface functionalization. Progress in Polymer Science, 2018, 87, 165-196. | 11.8 | 225 |
| 28 | A tetraphenylethene and maltoheptaose conjugate with aggregation-induced emission (AIE) characteristic for temperature sensors. New Journal of Chemistry, 2018, 42, 14709-14712. | 1.4 | 14 |
| 29 | Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. ACS Symposium Series, 2018, , 233-261. | 0.5 | 1 |
| 30 | Recent Developments in Controlled Release of Antibiotics. Current Pharmaceutical Design, 2018, 24, 911-925. | 0.9 | 12 |
| 31 | Lanthanide ions-induced formation of hierarchical and transparent polysaccharide hybrid films. Carbohydrate Polymers, 2017, 163, 28-33. | 5.1 | 7 |
| 32 | Increasing bacterial affinity and cytocompatibility with four-arm star glycopolymers and antimicrobial Î±-polylysine. Polymer Chemistry, 2017, 8, 3364-3373. | 1.9 | 67 |
| 33 | Preparation of mechanically-tough and thermo-responsive polyurethane-poly(ethylene glycol) hydrogels. Reactive and Functional Polymers, 2017, 117, 81-88. | 2.0 | 17 |
| 34 | Facile Synthesis of N, B-Doped Carbon Dots and Their Application for Multisensor and Cellular Imaging. Industrial & Engineering Chemistry Research, 2017, 56, 3905-3912. | 1.8 | 60 |
| 35 | Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. ACS Sustainable Chemistry and Engineering, 2017, 5, 3055-3062. | 3.2 | 37 |
| 36 | An antimicrobial peptide with an aggregation-induced emission (AIE) luminogen for studying bacterial membrane interactions and antibacterial actions. Chemical Communications, 2017, 53, 3315-3318. | 2.2 | 40 |

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|---|---|---|---|
| 37 | Vancomycin-conjugated polythiophene for the detection and imaging of Gram-positive bacteria. Journal of Materials Chemistry B, 2017, 5, 8814-8820. | 2.9 | 14 |
| 38 | Facile synthesis of a two-tier hierarchical structured superhydrophobic-superoleophilic melamine sponge for rapid and efficient oil/water separation. Journal of Colloid and Interface Science, 2017, 506, 659-668. | 5.0 | 89 |
| 39 | Antifouling and Antimicrobial Coatings from Zwitterionic and Cationic Binary Polymer Brushes Assembled via â€œClickâ€•Reactions. Industrial & Engineering Chemistry Research, 2017, 56, 14479-14488. | 1.8 | 46 |
| 40 | Preparation of thermoresponsive fluorescent carbon dots for cellular imaging. Polymer International, 2017, 66, 92-97. | 1.6 | 9 |
| 41 | One-pot synthesis of nitrogen and sulfur co-doped carbon dots and its application for sensor and multicolor cellular imaging. Journal of Colloid and Interface Science, 2017, 485, 167-174. | 5.0 | 145 |
| 42 | Conjugation of Lectin to Poly(Îµ-caprolactone)-block-glycopolymer Micelles for In Vitro Intravesical Drug Delivery. Polymers, 2016, 8, 379. | 2.0 | 14 |
| 43 | Synthesis and self-assembly of four-armed star copolymer based on poly(ethylene brassylate) hydrophobic block as potential drug carries. Journal of Nanoparticle Research, 2016, 18, 1. | 0.8 | 10 |
| 44 | Biomimetic anchors applied to the host-guest antifouling functionalization of titanium substrates. Journal of Colloid and Interface Science, 2016, 475, 8-16. | 5.0 | 13 |
| 45 | A highly sensitive aptasensor for OTA detection based on hybridization chain reaction and fluorescent perylene probe. Biosensors and Bioelectronics, 2016, 81, 125-130. | 5.3 | 69 |
| 46 | PEG-based hydrogels prepared by catalyst-free thiolâ€“yne addition and their post-antibacterial modification. Biomaterials Science, 2016, 4, 1663-1672. | 2.6 | 36 |
| 47 | Antifouling, Antimicrobial, and Antibiocorrosion Multilayer Coatings Assembled by Layer-by-layer Deposition Involving Hostâ€“Guest Interaction. Industrial & Engineering Chemistry Research, 2016, 55, 10906-10915. | 1.8 | 36 |
| 48 | Selective removal of cationic dye from aqueous solution by low-cost adsorbent using phytic acid modified wheat straw. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 91-98. | 2.3 | 45 |
| 49 | Wellâ€Đefined Poly(ethylene glycol) Hydrogels with Enhanced Mechanical Performance Prepared by Thermally Induced Copperâ€Catalyzed Azideâ€“Alkyne Cycloaddition. Macromolecular Materials and Engineering, 2016, 301, 1374-1382. | 1.7 | 15 |
| 50 | Conjugation of Polyphosphoester and Antimicrobial Peptide for Enhanced Bactericidal Activity and Biocompatibility. Biomacromolecules, 2016, 17, 4037-4044. | 2.6 | 43 |
| 51 | Thiol Reactive Maleimido-Containing Tannic Acid for the Bioinspired Surface Anchoring and Post-Functionalization of Antifouling Coatings. ACS Sustainable Chemistry and Engineering, 2016, 4, 4264-4272. | 3.2 | 39 |
| 52 | Sugar-Grafted Cyclodextrin Nanocarrier as a â€œTrojan Horseâ€•for Potentiating Antibiotic Activity. Pharmaceutical Research, 2016, 33, 1161-1174. | 1.7 | 19 |
| 53 | Antifouling coatings based on covalently cross-linked agarose film via thermal azide-alkyne cycloaddition. Colloids and Surfaces B: Biointerfaces, 2016, 141, 65-73. | 2.5 | 15 |
| 54 | Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. Industrial & Engineering Chemistry Research, 2016, 55, 1890-1901. | 1.8 | 42 |

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|---|---|---|---|
| 55 | Tannic acid anchored layer-by-layer covalent deposition of parasin I peptide for antifouling and antimicrobial coatings. RSC Advances, 2016, 6, 14809-14818. | 1.7 | 53 |
| 56 | Co-delivery of peptide-modified cisplatin and doxorubicin via mucoadhesive nanocapsules for potential synergistic intravesical chemotherapy of non-muscle-invasive bladder cancer. European Journal of Pharmaceutical Sciences, 2016, 84, 103-115. | 1.9 | 29 |
| 57 | Preparation of well-defined fibrous hydrogels via electrospinning and in situ â€œclick chemistryâ€• RSC Advances, 2016, 6, 27871-27878. | 1.7 | 7 |
| 58 | Synthesis of catechol and zwitterion-bifunctionalized poly(ethylene glycol) for the construction of antifouling surfaces. Polymer Chemistry, 2016, 7, 493-501. | 1.9 | 68 |
| 59 | PEGylated Fluorescent Nanoparticles from One-Pot Atom Transfer Radical Polymerization and â€œClick Chemistryâ€• Polymers, 2015, 7, 2119-2130. | 2.0 | 5 |
| 60 | Nanostructured polystyrene/polyaniline/graphene hybrid materials for electrochemical supercapacitor and Na-ion battery applications. Journal of Materials Science, 2015, 50, 5466-5474. | 1.7 | 40 |
| 61 | Tea Stains-Inspired Initiator Primer for Surface Grafting of Antifouling and Antimicrobial Polymer Brush Coatings. Biomacromolecules, 2015, 16, 723-732. | 2.6 | 122 |
| 62 | Quaternized poly(2-(dimethylamino)ethyl methacrylate)-grafted agarose copolymers for multipurpose antibacterial applications. RSC Advances, 2015, 5, 61742-61751. | 1.7 | 20 |
| 63 | Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. Industrial & Engineering Chemistry Research, 2015, 54, 5959-5967. | 1.8 | 25 |
| 64 | Nitrogen-enriched carbon sheets derived from egg white by using expanded perlite template and its high-performance supercapacitors. Nanotechnology, 2015, 26, 345401. | 1.3 | 20 |
| 65 | Stimuli-responsive hydrogels prepared by simultaneous â€œclick chemistryâ€•and metalâ€“ligand coordination. RSC Advances, 2015, 5, 18242-18251. | 1.7 | 17 |
| 66 | Ruthenium(II)â€“terpyridine complexes-containing glyconanoparticles for one- and two-photon excited fluorescence imaging. European Polymer Journal, 2015, 71, 279-288. | 2.6 | 3 |
| 67 | The large electrochemical capacitance of nitrogen-doped mesoporous carbon derived from egg white by using a ZnO template. RSC Advances, 2015, 5, 98177-98183. | 1.7 | 19 |
| 68 | PEGylated Metalloporphyrin Nanoparticles as a Promising Catalyst for the Heterogeneous Oxidation of Cyclohexene in Water. Macromolecular Chemistry and Physics, 2015, 216, 417-426. | 1.1 | 6 |
| 69 | The synthesis of hydrogels with controlled distribution of polymer brushes in hydrogel network. Applied Surface Science, 2014, 320, 818-828. | 3.1 | 6 |
| 70 | A Well-Defined Amphiphilic Polymer Conetwork from Sequence Control of the Cross-Linking in Polymer Chains. Industrial & Engineering Chemistry Research, 2014, 53, 19239-19248. | 1.8 | 9 |
| 71 | High strength biocompatible PEG single-network hydrogels. RSC Advances, 2014, 4, 25241-25250. | 1.7 | 16 |
| 72 | Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. RSC Advances, 2014, 4, 32335-32344. | 1.7 | 36 |

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|---|---|---|---|
| 73 | Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. Journal of Materials Chemistry B, 2014, 2, 398-408. | 2.9 | 31 |
| 74 | A well-defined amphiphilic polymer co-network from precise control of the end-functional groups of linear RAFT polymers. RSC Advances, 2014, 4, 8144. | 1.7 | 26 |
| 75 | Functionalized Mesoporous Silica Nanoparticles with Mucoadhesive and Sustained Drug Release Properties for Potential Bladder Cancer Therapy. Langmuir, 2014, 30, 6151-6161. | 1.6 | 101 |
| 76 | Catecholamine-Induced Electroless Metallization of Silver on Silica@Polymer Hybrid Nanospheres and Their Catalytic Applications. Industrial & Engineering Chemistry Research, 2014, 53, 3116-3124. | 1.8 | 24 |
| 77 | Rhodamine derivative-modified filter papers for colorimetric and fluorescent detection of Hg2+ in aqueous media. Journal of Materials Chemistry A, 2013, 1, 2526. | 5.2 | 54 |
| 78 | A poly(vinylidene fluoride)-graft-poly(dopamine acrylamide) copolymer for surface functionalizable membranes. RSC Advances, 2013, 3, 25204. | 1.7 | 30 |
| 79 | CO<sub>2</sub>-triggered fluorescence â€œturn-onâ€•response of perylene diimide-containing poly(N,N-dimethylaminoethyl methacrylate). Journal of Materials Chemistry A, 2013, 1, 1207-1212. | 5.2 | 44 |
| 80 | In Situ Synthesis and Nonvolatile Rewritableâ€Memory Effect of Polyanilineâ€Functionalized Graphene Oxide. Chemistry - A European Journal, 2013, 19, 6265-6273. | 1.7 | 55 |
| 81 | Cyclodextrin-functionalized graphene nanosheets, and their host-guest polymer nanohybrids. Polymer, 2013, 54, 2264-2271. | 1.8 | 30 |
| 82 | Reactive Graphene Oxide Nanosheets: A Versatile Platform for the Fabrication of Graphene Oxideâ€“Biomolecule/Polymer Nanohybrids. Macromolecular Rapid Communications, 2013, 34, 234-238. | 2.0 | 22 |
| 83 | Poly(vinylidene fluoride-co-hexafluoropropylene)-graft-poly(dopamine methacrylamide) copolymers: A nonlinear dielectric material for high energy density storage. Applied Physics Letters, 2013, 103, . | 1.5 | 31 |
| 84 | Polymeric Nanoparticles with Encapsulated Superparamagnetic Iron Oxide and Conjugated Cisplatin for Potential Bladder Cancer Therapy. Biomacromolecules, 2012, 13, 2513-2520. | 2.6 | 79 |
| 85 | Surface Modification of Silicone for Biomedical Applications Requiring Long-Term Antibacterial, Antifouling, and Hemocompatible Properties. Langmuir, 2012, 28, 16408-16422. | 1.6 | 139 |
| 86 | Poly(dopamine acrylamide)-co-poly(propargyl acrylamide)-modified titanium surfaces for â€˜clickâ€™ functionalization. Polymer Chemistry, 2012, 3, 920. | 1.9 | 54 |
| 87 | Carboxymethyl Chitosan-Functionalized Magnetic Nanoparticles for Disruption of Biofilms of Staphylococcus aureus and Escherichia coli. Industrial & Engineering Chemistry Research, 2012, 51, 13164-13172. | 1.8 | 33 |
| 88 | Fluorescent nanoparticles from self-assembly of Î²-cyclodextrin-functionalized fluorene copolymers for organic molecule sensing and cell labeling. Polymer Chemistry, 2012, 3, 2444. | 1.9 | 20 |
| 89 | Pushâ€“Pull archetype of reduced graphene oxide functionalized with polyfluorene for nonvolatile rewritable memory. Journal of Polymer Science Part A, 2012, 50, 378-387. | 2.5 | 71 |
| 90 | Water-soluble highly fluorescent poly[poly(ethylene glycol) methyl ether methacrylate] for cell labeling. Journal of Materials Chemistry, 2011, 21, 6502. | 6.7 | 27 |

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|---|---|---|---|
| 91 | Clickable poly(ester amine) dendrimer-grafted Fe3O4 nanoparticles prepared via successive Michael addition and alkyneâ€“azide click chemistry. Polymer Chemistry, 2011, 2, 1312. | 1.9 | 25 |
| 92 | Hairy Hybrid Microrattles of Metal Nanocore with Functional Polymer Shell and Brushes. Macromolecules, 2011, 44, 2365-2370. | 2.2 | 45 |
| 93 | Synthesis and characterization of fluorescent perylene bisimide-containing glycopolymers for Escherichia coli conjugation and cell imaging. Polymer, 2011, 52, 5764-5771. | 1.8 | 21 |
| 94 | Growing poly(Nâ€vinylcarbazole) from the surface of graphene oxide via RAFT polymerization. Journal of Polymer Science Part A, 2011, 49, 2043-2050. | 2.5 | 76 |
| 95 | Reduction of Graphene Oxide by Aniline with Its Concomitant Oxidative Polymerization. Macromolecular Rapid Communications, 2011, 32, 684-688. | 2.0 | 135 |
| 96 | Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. Polymer, 2011, 52, 2376-2383. | 1.8 | 89 |
| 97 | Sliding-Graft Interpenetrating Polymer Networks from Simultaneous â€œClick Chemistryâ€•and Atom Transfer Radical Polymerization. Macromolecules, 2010, 43, 9761-9770. | 2.2 | 52 |
| 98 | Hairy Hollow Microspheres of Fluorescent Shell and Temperature-Responsive Brushes via Combined Distillation-Precipitation Polymerization and Thiolâ^'ene Click Chemistry. Macromolecules, 2010, 43, 5797-5803. | 2.2 | 77 |
| 99 | One-Pot Preparation of Ferrocene-Functionalized Polymer Brushes on Gold Substrates by Combined Surface-Initiated Atom Transfer Radical Polymerization and â€œClick Chemistryâ€• Langmuir, 2010, 26, 15376-15382. | 1.6 | 57 |
| 100 | Dopamine-Induced Reduction and Functionalization of Graphene Oxide Nanosheets. Macromolecules, 2010, 43, 8336-8339. | 2.2 | 719 |
| 101 | Preparation and applications of functional nanofibers based on the combination of electrospinning, controlled radical polymerization and â€˜Click Chemistryâ€™. Nanoscale, 2010, 2, 1348. | 2.8 | 22 |
| 102 | Simultaneous â€œClick Chemistryâ€•and Atom Transfer Radical Emulsion Polymerization and Prepared Well-Defined Cross-Linked Nanoparticles. Macromolecules, 2009, 42, 6385-6392. | 2.2 | 48 |