# Liming Fang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/884929/publications.pdf

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| 42 | 5,719 | 257101 | 264894 |
|---|---|---|---|
| papers | citations | 24 h-index | 42 g-index |

| 42 | 42 | 42 | 6063 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Musselâ€Inspired Adhesive and Conductive Hydrogel with Longâ€Lasting Moisture and Extreme Temperature Tolerance. Advanced Functional Materials, 2018, 28, 1704195. | 7.8 | 788 |
| 2 | Mussel-Inspired Adhesive and Tough Hydrogel Based on Nanoclay Confined Dopamine Polymerization. ACS Nano, 2017, 11, 2561-2574. | 7.3 | 749 |
| 3 | Plant-inspired adhesive and tough hydrogel based on Ag-Lignin nanoparticles-triggered dynamic redox catechol chemistry. Nature Communications, 2019, 10, 1487. | 5.8 | 675 |
| 4 | A Musselâ€Inspired Conductive, Selfâ€Adhesive, and Selfâ€Healable Tough Hydrogel as Cell Stimulators and Implantable Bioelectronics. Small, 2017, 13, 1601916. | 5.2 | 543 |
| 5 | Tough, self-healable and tissue-adhesive hydrogel with tunable multifunctionality. NPG Asia Materials, 2017, 9, e372-e372. | 3.8 | 441 |
| 6 | Transparent, Adhesive, and Conductive Hydrogel for Soft Bioelectronics Based on Light-Transmitting Polydopamine-Doped Polypyrrole Nanofibrils. Chemistry of Materials, 2018, 30, 5561-5572. | 3.2 | 331 |
| 7 | Musselâ€Inspired Contactâ€Active Antibacterial Hydrogel with High Cell Affinity, Toughness, and Recoverability. Advanced Functional Materials, 2019, 29, 1805964. | 7.8 | 309 |
| 8 | Mussel-Inspired Tissue-Adhesive Hydrogel Based on the Polydopamineâ€“Chondroitin Sulfate Complex for Growth-Factor-Free Cartilage Regeneration. ACS Applied Materials & Interfaces, 2018, 10, 28015-28026. | 4.0 | 227 |
| 9 | Highly Porous Polymer Aerogel Filmâ€Based Triboelectric Nanogenerators. Advanced Functional Materials, 2018, 28, 1706365. | 7.8 | 226 |
| 10 | Graphene Oxideâ€Templated Conductive and Redoxâ€Active Nanosheets Incorporated Hydrogels for Adhesive Bioelectronics. Advanced Functional Materials, 2020, 30, 1907678. | 7.8 | 225 |
| 11 | Conductive and Tough Hydrogels Based on Biopolymer Molecular Templates for Controlling in Situ Formation of Polypyrrole Nanorods. ACS Applied Materials & Interfaces, 2018, 10, 36218-36228. | 4.0 | 181 |
| 12 | A strong, tough, and osteoconductive hydroxyapatite mineralized polyacrylamide/dextran hydrogel for bone tissue regeneration. Acta Biomaterialia, 2019, 88, 503-513. | 4.1 | 143 |
| 13 | An Anisotropic Hydrogel Based on Mussel-Inspired Conductive Ferrofluid Composed of Electromagnetic Nanohybrids. Nano Letters, 2019, 19, 8343-8356. | 4.5 | 107 |
| 14 | Highly compressible and superior low temperature tolerant supercapacitors based on dual chemically crosslinked PVA hydrogel electrolytes. Journal of Materials Chemistry A, 2020, 8, 6219-6228. | 5.2 | 101 |
| 15 | Mussel-Inspired Redox-Active and Hydrophilic Conductive Polymer Nanoparticles for Adhesive Hydrogel Bioelectronics. Nano-Micro Letters, 2020, 12, 169. | 14.4 | 98 |
| 16 | Proteinâ€Affinitive Polydopamine Nanoparticles as an Efficient Surface Modification Strategy for Versatile Porous Scaffolds Enhancing Tissue Regeneration. Particle and Particle Systems Characterization, 2016, 33, 89-100. | 1.2 | 56 |
| 17 | Pulse Electrochemical Driven Rapid Layer-by-Layer Assembly of Polydopamine and Hydroxyapatite Nanofilms via Alternative Redox in Situ Synthesis for Bone Regeneration. ACS Biomaterials Science and Engineering, 2016, 2, 920-928. | 2.6 | 52 |
| 18 | Experimental and simulation studies of strontium/fluoride-codoped hydroxyapatite nanoparticles with osteogenic and antibacterial activities. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110359. | 2.5 | 43 |

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|---|---|---|---|
| 19 | Graphene oxide and hyperbranched polymer-toughened hydrogels with improved absorption properties and durability. Journal of Materials Science, 2015, 50, 3457-3466. | 1.7 | 38 |
| 20 | Self-assembled Biodegradable Nanoparticles and Polysaccharides as Biomimetic ECM Nanostructures for the Synergistic effect of RGD and BMP-2 on Bone Formation. Scientific Reports, 2016, 6, 25090. | 1.6 | 36 |
| 21 | Durable Antibacterial Cotton Fabrics Based on Natural Borneolâ€Derived Antiâ€MRSA Agents. Advanced Healthcare Materials, 2020, 9, e2000186. | 3.9 | 34 |
| 22 | Polydopamine mediated assembly of hydroxyapatite nanoparticles and bone morphogenetic proteinâ€2 on magnesium alloys for enhanced corrosion resistance and bone regeneration. Journal of Biomedical Materials Research - Part A, 2017, 105, 2750-2761. | 2.1 | 30 |
| 23 | Mussel-inspired nano-multilayered coating on magnesium alloys for enhanced corrosion resistance and antibacterial property. Colloids and Surfaces B: Biointerfaces, 2017, 157, 432-439. | 2.5 | 29 |
| 24 | Antibacterial activity, corrosion resistance and wear behavior of spark plasma sintered Ta-5Cu alloy for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 74, 315-323. | 1.5 | 28 |
| 25 | Biotin-Modified Polylactic-co-Glycolic Acid Nanoparticles with Improved Antiproliferative Activity of 15,16-Dihydrotanshinone I in Human Cervical Cancer Cells. Journal of Agricultural and Food Chemistry, 2018, 66, 9219-9230. | 2.4 | 26 |
| 26 | Influence of Sintering Temperature on Pore Structure and Apatite Formation of a Solâ€“Gelâ€Derived Bioactive Glass. Journal of the American Ceramic Society, 2010, 93, 32-35. | 1.9 | 24 |
| 27 | Highly compressible hydrogel sensors with synergistic long-lasting moisture, extreme temperature tolerance and strain-sensitivity properties. Materials Chemistry Frontiers, 2020, 4, 3319-3327. | 3.2 | 22 |
| 28 | Understanding the interfacial interactions between dopamine and different graphenes for biomedical materials. Materials Chemistry Frontiers, 2017, 1, 1156-1164. | 3.2 | 18 |
| 29 | Role of Stiffness versus Wettability in Regulating Cell Behaviors on Polymeric Surfaces. ACS Biomaterials Science and Engineering, 2020, 6, 912-922. | 2.6 | 17 |
| 30 | In situ reactive compatibilized polypropylene/nitrile butadiene rubber blends by zinc dimethacrylate: Preparation, structure, and properties. Polymer Engineering and Science, 2014, 54, 2321-2331. | 1.5 | 16 |
| 31 | Effects of atomic-level nano-structured hydroxyapatite on adsorption of bone morphogenetic protein-7 and its derived peptide by computer simulation. Scientific Reports, 2017, 7, 15152. | 1.6 | 16 |
| 32 | The interaction of chitosan and BMPâ€2 tuned by deacetylation degree and pH value. Journal of Biomedical Materials Research - Part A, 2019, 107, 769-779. | 2.1 | 16 |
| 33 | Elastic polyurethane bearing pendant TGF-Î²1 affinity peptide for potential tissue engineering applications. Materials Science and Engineering C, 2018, 83, 67-77. | 3.8 | 14 |
| 34 | Structure and properties of polyacrylic acid modified hydroxyapatite/liquid crystal polymer composite. Journal of Reinforced Plastics and Composites, 2011, 30, 1155-1163. | 1.6 | 13 |
| 35 | Interaction Behaviors of Fibrinopeptide-A and Graphene with Different Functional Groups: A Molecular Dynamics Simulation Approach. Journal of Physical Chemistry B, 2017, 121, 7907-7915. | 1.2 | 10 |
| 36 | Anchoring TGF-Î²1 on biomaterial surface via affinitive interactions: Effects on spatial structures and bioactivity. Colloids and Surfaces B: Biointerfaces, 2018, 166, 254-261. | 2.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Processing and characterization of TLCP fibers reinforced by 1Âwt% MWCNT. Journal of Materials Science, 2012, 47, 8094-8102. | 1.7 | 9 |
| 38 | Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. Journal of Composite Materials, 2015, 49, 1439-1447. | 1.2 | 6 |
| 39 | Blocking of matrix metalloproteinases-13 responsive peptide in poly(urethane urea) for potential cartilage tissue engineering applications. Journal of Biomaterials Applications, 2018, 32, 999-1010. | 1.2 | 4 |
| 40 | Electrical field induce mBMSCs differentiation to osteoblast via protein adsorption enhancement. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112158. | 2.5 | 4 |
| 41 | Morphology and properties of poly(vinylidene fluoride)/silicone rubber blends. Journal of Applied Polymer Science, 2014, 131, . | 1.3 | 3 |
| 42 | Octacalcium phosphate fiber synthesized by homogeneous precipitation method. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 747-752. | 0.4 | 1 |