

# Liming Fang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/884929/liming-fang-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

3,581  
citations

21  
h-index

42  
g-index

42  
ext. papers

4,608  
ext. citations

7.8  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
42	Electrical field induce mBMSCs differentiation to osteoblast via protein adsorption enhancement. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 209, 112158	6	1
41	Highly compressible and superior low temperature tolerant supercapacitors based on dual chemically crosslinked PVA hydrogel electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6219-6228	13	48
40	Durable Antibacterial Cotton Fabrics Based on Natural Borneol-Derived Anti-MRSA Agents. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000186	10.1	18
39	Role of Stiffness versus Wettability in Regulating Cell Behaviors on Polymeric Surfaces. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 912-922	5.5	6
38	Graphene Oxide-Templated Conductive and Redox-Active Nanosheets Incorporated Hydrogels for Adhesive Bioelectronics. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907678	15.6	114
37	Highly compressible hydrogel sensors with synergistic long-lasting moisture, extreme temperature tolerance and strain-sensitivity properties. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3319-3327	7.8	7
36	Mussel-Inspired Redox-Active and Hydrophilic Conductive Polymer Nanoparticles for Adhesive Hydrogel Bioelectronics. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 169	19.5	41
35	Plant-inspired adhesive and tough hydrogel based on Ag-Lignin nanoparticles-triggered dynamic redox catechol chemistry. <i>Nature Communications</i> , <b>2019</b> , 10, 1487	17.4	376
34	A strong, tough, and osteoconductive hydroxyapatite mineralized polyacrylamide/dextran hydrogel for bone tissue regeneration. <i>Acta Biomaterialia</i> , <b>2019</b> , 88, 503-513	10.8	83
33	Experimental and simulation studies of strontium/fluoride-codoped hydroxyapatite nanoparticles with osteogenic and antibacterial activities. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 182, 110359	6	23
32	An Anisotropic Hydrogel Based on Mussel-Inspired Conductive Ferrofluid Composed of Electromagnetic Nanohybrids. <i>Nano Letters</i> , <b>2019</b> , 19, 8343-8356	11.5	55
31	Mussel-Inspired Contact-Active Antibacterial Hydrogel with High Cell Affinity, Toughness, and Recoverability. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1805964	15.6	189
30	The interaction of chitosan and BMP-2 tuned by deacetylation degree and pH value. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 769-779	5.4	7
29	Anchoring TGF- $\beta$ 1 on biomaterial surface via affinitive interactions: Effects on spatial structures and bioactivity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 166, 254-261	6	8
28	Blocking of matrix metalloproteinases-13 responsive peptide in poly(urethane urea) for potential cartilage tissue engineering applications. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 32, 999-1010	2.9	1
27	Highly Porous Polymer Aerogel Film-Based Triboelectric Nanogenerators. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706365	15.6	131
26	Elastic polyurethane bearing pendant TGF- $\beta$ 1 affinity peptide for potential tissue engineering applications. <i>Materials Science and Engineering C</i> , <b>2018</b> , 83, 67-77	8.3	12

25	Mussel-Inspired Tissue-Adhesive Hydrogel Based on the Polydopamine-Chondroitin Sulfate Complex for Growth-Factor-Free Cartilage Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28015-28026	9.5	139
24	Transparent, Adhesive, and Conductive Hydrogel for Soft Bioelectronics Based on Light-Transmitting Polydopamine-Doped Polypyrrole Nanofibrils. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5561-5572	9.6	211
23	Biotin-Modified Polylactic- co-Glycolic Acid Nanoparticles with Improved Antiproliferative Activity of 15,16-Dihydrotanshinone I in Human Cervical Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 9219-9230	5.7	20
22	Mussel-Inspired Adhesive and Conductive Hydrogel with Long-Lasting Moisture and Extreme Temperature Tolerance. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704195	15.6	485
21	Conductive and Tough Hydrogels Based on Biopolymer Molecular Templates for Controlling in Situ Formation of Polypyrrole Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36218-36228	9.5	110
20	Mussel-Inspired Adhesive and Tough Hydrogel Based on Nanoclay Confined Dopamine Polymerization. <i>ACS Nano</i> , <b>2017</b> , 11, 2561-2574	16.7	517
19	Tough, self-healable and tissue-adhesive hydrogel with tunable multifunctionality. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e372-e372	10.3	297
18	Mussel-inspired nano-multilayered coating on magnesium alloys for enhanced corrosion resistance and antibacterial property. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 157, 432-439	6	19
17	Polydopamine mediated assembly of hydroxyapatite nanoparticles and bone morphogenetic protein-2 on magnesium alloys for enhanced corrosion resistance and bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 2750-2761	5.4	20
16	Understanding the interfacial interactions between dopamine and different graphenes for biomedical materials. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1156-1164	7.8	13
15	Interaction Behaviors of Fibrinopeptide-A and Graphene with Different Functional Groups: A Molecular Dynamics Simulation Approach. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 7907-7915	3.4	9
14	Effects of atomic-level nano-structured hydroxyapatite on adsorption of bone morphogenetic protein-7 and its derived peptide by computer simulation. <i>Scientific Reports</i> , <b>2017</b> , 7, 15152	4.9	12
13	Antibacterial activity, corrosion resistance and wear behavior of spark plasma sintered Ta-5Cu alloy for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 74, 315-323	4.1	17
12	A Mussel-Inspired Conductive, Self-Adhesive, and Self-Healable Tough Hydrogel as Cell Stimulators and Implantable Bioelectronics. <i>Small</i> , <b>2017</b> , 13, 1601916	11	398
11	Self-assembled Biodegradable Nanoparticles and Polysaccharides as Biomimetic ECM Nanostructures for the Synergistic effect of RGD and BMP-2 on Bone Formation. <i>Scientific Reports</i> , <b>2016</b> , 6, 25090	4.9	29
10	Protein-Affinitive Polydopamine Nanoparticles as an Efficient Surface Modification Strategy for Versatile Porous Scaffolds Enhancing Tissue Regeneration. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 89-100	3.1	41
9	Pulse Electrochemical Driven Rapid Layer-by-Layer Assembly of Polydopamine and Hydroxyapatite Nanofilms via Alternative Redox Synthesis for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 920-928	5.5	36
8	Graphene oxide and hyperbranched polymer-toughened hydrogels with improved absorption properties and durability. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 3457-3466	4.3	31

7	Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. <i>Journal of Composite Materials</i> , <b>2015</b> , 49, 1439-1447	2.7	5
6	In situ reactive compatibilized polypropylene/nitrile butadiene rubber blends by zinc dimethacrylate: Preparation, structure, and properties. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 2321-2331	2.3	10
5	Morphology and properties of poly(vinylidene fluoride)/silicone rubber blends. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	1
4	Processing and characterization of TLCP fibers reinforced by 1 wt% MWCNT. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 8094-8102	4.3	6
3	Structure and properties of polyacrylic acid modified hydroxyapatite/liquid crystal polymer composite. <i>Journal of Reinforced Plastics and Composites</i> , <b>2011</b> , 30, 1155-1163	2.9	13
2	Influence of Sintering Temperature on Pore Structure and Apatite Formation of a Sol-Gel-Derived Bioactive Glass. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 32-35	3.8	21
1	Octacalcium phosphate fiber synthesized by homogeneous precipitation method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2010</b> , 25, 747-752	1	1