

# Xuefeng Li

## List of Publications by Year in descending order

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29  
papers

748  
citations

759233

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h-index

526287

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29  
docs citations

29  
times ranked

945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Ionically Cross-linked Double-Network Hydrogels with High Strength, Toughness, Swelling Resistance, and Improved 3D Printing Processability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31198-31207.	8.0	165
2	Strong Tough Polyampholyte Hydrogels via the Synergistic Effect of Ionic and Metal-Ligand Bonds. <i>Advanced Functional Materials</i> , 2021, 31, 2103917.	14.9	97
3	Dual physically crosslinked double network hydrogels with high toughness and self-healing properties. <i>Soft Matter</i> , 2017, 13, 911-920.	2.7	94
4	Hybrid dual crosslinked polyacrylic acid hydrogels with ultrahigh mechanical strength, toughness and self-healing properties via soaking salt solution. <i>Polymer</i> , 2017, 121, 55-63.	3.8	64
5	Integrated Functional High-Strength Hydrogels with Metal-Coordination Complexes and Hydrogen Bonding Dual Physically Cross-linked Networks. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800400.	3.9	45
6	Strong, tough and mechanically self-recoverable poly(vinyl alcohol)/alginate dual-physical double-network hydrogels with large cross-link density contrast. <i>RSC Advances</i> , 2018, 8, 16674-16689.	3.6	40
7	High strength and antibacterial polyelectrolyte complex CS/HS hydrogel films for wound healing. <i>Soft Matter</i> , 2019, 15, 7686-7694.	2.7	34
8	Tough hydrogels with tunable soft and wet interfacial adhesion. <i>Polymer Testing</i> , 2021, 93, 106976.	4.8	21
9	Multiple Hydrogen Bonds-Reinforced Hydrogels with High Strength, Shape Memory, and Adsorption Anti-inflammatory Molecules. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000202.	3.9	20
10	Low-velocity super-lubrication of sodium-alginate/polyacrylamide ionic-covalent hybrid double-network hydrogels. <i>Soft Matter</i> , 2015, 11, 3022-3033.	2.7	17
11	High-Performance Photochromic Hydrogels for Rewritable Information Record. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000701.	3.9	16
12	Super Bulk and Interfacial Toughness of Amylopectin Reinforced PAAm/PVA Double-Network Hydrogels via Multiple Hydrogen Bonds. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900450.	3.6	14
13	High-strength, thermosensitive double network hydrogels with antibacterial functionality. <i>Soft Matter</i> , 2021, 17, 6688-6696.	2.7	13
14	Improved compatibility in Recycled-PE / LDPE using glycidyl methacrylate, acrylic acid grafted mPE. <i>Polymer Testing</i> , 2018, 69, 508-513.	4.8	12
15	Agar/PAAc-Fe <sup>3+</sup> hydrogels with pH-sensitivity and high toughness using dual physical cross-linking. <i>Iranian Polymer Journal (English Edition)</i> , 2018, 27, 829-840.	2.4	11
16	Rheology, crystallization, and enhanced mechanical properties of uniaxially oriented ethylene-octene copolymer/polyolefin elastomer blends. <i>Polymer</i> , 2022, 243, 124655.	3.8	11
17	High-strength, strong-adhesion, and antibacterial polyelectrolyte complex hydrogel films from natural polysaccharides. <i>Polymer Testing</i> , 2022, 109, 107547.	4.8	11
18	Programmed Transformations of Strong Polyvinyl Alcohol/Sodium Alginate Hydrogels via Ionic Crosslink Lithography. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000127.	3.9	10

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19	Highly stretchable, tough, and self-recoverable and self-healable dual physically crosslinked hydrogels with synergistic soft and hard networks. <i>Polymer Engineering and Science</i> , 2019, 59, 145-154.	3.1	9
20	Design of aluminum trihydroxide and PAN core-shell structures and their synergistic effects on halogen-free flame-retardant polyethylene composites. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2020-2030.	3.2	8
21	Interfacial adhesion and water resistance of stainless steel-polyolefin improved by functionalized silane. <i>Polymer Engineering and Science</i> , 2019, 59, 1866-1873.	3.1	6
22	High Mechanical Properties of Stretching Oriented Poly(butylene succinate) with Two-Step Chain Extension. <i>Polymers</i> , 2022, 14, 1876.	4.5	6
23	Strengthening and stiffening in swollen polyampholyte hydrogels. <i>Materials Letters</i> , 2022, 324, 132582.	2.6	6
24	Fabrication and Properties of Modified Poly(butylene terephthalate) with Two-Step Chain Extension. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000638.	3.6	5
25	Liquid crystallinity and thermal properties of polyhedral oligomeric silsesquioxane/side-chain azobenzene hybrid copolymer. <i>Nanotechnology Reviews</i> , 2020, 9, 886-895.	5.8	5
26	Friction of sodium alginate hydrogel scaffold fabricated by 3-D printing. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 459-469.	3.5	4
27	Poly(vinyldiaminotriazine) nanoparticle adsorption of small drug molecules in aqueous phase and the role of synergistic interaction between hydrogen bonding and hydrophobic affinity. <i>Colloid and Polymer Science</i> , 2021, 299, 37-47.	2.1	2
28	Physical, antioxidant and thermal shock properties of Cu/Ti2AlC conductive composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 504-507.	1.0	1
29	Improved mechanical and rheological properties of recycled polyethylene by acrylic acid-assisted melt grafting of glycidyl methacrylate. <i>Plastics, Rubber and Composites</i> , 2019, 48, 440-447.	2.0	1