

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2935424/jianyu-li-publications-by-citations.pdf>
Version: 2024-04-05

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.

35 papers	4,455 citations	19 h-index	37 g-index
37 ext. papers	5,645 ext. citations	11.5 avg, IF	6.43 L-index

#	Paper	IF	Citations
35	Designing hydrogels for controlled drug delivery. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1741
34	Tough adhesives for diverse wet surfaces. <i>Science</i> , 2017 , 357, 378-381	33.3	676
33	Mussel-inspired polydopamine: a biocompatible and ultrastable coating for nanoparticles in vivo. <i>ACS Nano</i> , 2013 , 7, 9384-95	16.7	428
32	Hybrid Hydrogels with Extremely High Stiffness and Toughness.. <i>ACS Macro Letters</i> , 2014 , 3, 520-523	6.6	291
31	Stiff, strong, and tough hydrogels with good chemical stability. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6708-6713	7.3	230
30	Bioinspired mechanically active adhesive dressings to accelerate wound closure. <i>Science Advances</i> , 2019 , 5, eaaw3963	14.3	189
29	Rheological Properties of Aqueous Suspensions of Chitin Crystallites. <i>Journal of Colloid and Interface Science</i> , 1996 , 183, 365-73	9.3	104
28	Fatigue fracture of hydrogels. <i>Extreme Mechanics Letters</i> , 2017 , 10, 24-31	3.9	100
27	Click-Crosslinked Injectable Gelatin Hydrogels. <i>Advanced Healthcare Materials</i> , 2016 , 5, 541-7	10.1	92
26	Adhesion between highly stretchable materials. <i>Soft Matter</i> , 2016 , 12, 1093-9	3.6	73
25	Experimental determination of equations of state for ideal elastomeric gels. <i>Soft Matter</i> , 2012 , 8, 8121	3.6	69
24	A model of ideal elastomeric gels for polyelectrolyte gels. <i>Soft Matter</i> , 2014 , 10, 2582-90	3.6	60
23	An ambient-stable and stretchable ionic skin with multimodal sensation. <i>Materials Horizons</i> , 2020 , 7, 477-488	14.4	55
22	Design Molecular Topology for Wet-Dry Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24802-24814	9.5	24814
21	Dynamic air/liquid pockets for guiding microscale flow. <i>Nature Communications</i> , 2018 , 9, 733	17.4	40
20	Tough Composite Hydrogels with High Loading and Local Release of Biological Drugs. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701393	10.1	37
19	An Anti-Freezing, Ambient-Stable and Highly Stretchable Ionic Skin with Strong Surface Adhesion for Wearable Sensing and Soft Robotics. <i>Advanced Functional Materials</i> , 2021 , 31, 2104665	15.6	35

18	Multifaceted Design and Emerging Applications of Tissue Adhesives. <i>Advanced Materials</i> , 2021 , 33, e2007163	14.63	26
17	Triggered micropore-forming bioprinting of porous viscoelastic hydrogels. <i>Materials Horizons</i> , 2020 , 7, 2336-2347	14.4	25
16	Mechanical behavior of poly(methyl methacrylate)-based ionogels. <i>Soft Matter</i> , 2014 , 10, 7993-8000	3.6	17
15	Bioinspired tough gel sheath for robust and versatile surface functionalization. <i>Science Advances</i> , 2021 , 7,	14.3	17
14	Interfacial fatigue fracture of tissue adhesive hydrogels. <i>Extreme Mechanics Letters</i> , 2020 , 34, 100601	3.9	15
13	Reconfiguring confined magnetic colloids with tunable fluid transport behavior. <i>National Science Review</i> , 2021 , 8, nwaa301	10.8	12
12	Enhanced tendon healing by a tough hydrogel with an adhesive side and high drug-loading capacity.. <i>Nature Biomedical Engineering</i> , 2022 ,	19	11
11	Nanoscale fast relaxation events in polyethylene. <i>Scripta Materialia</i> , 2010 , 62, 488-491	5.6	10
10	Injectable, Pore-Forming, Perfusable Double-Network Hydrogels Resilient to Extreme Biomechanical Stimulations. <i>Advanced Science</i> , 2021 , e2102627	13.6	7
9	Scaling Behavior of Fracture Properties of Tough Adhesive Hydrogels.. <i>ACS Macro Letters</i> , 2021 , 10, 180-185	6.85	6
8	Creating a Comprehensive Research Platform for Surgical Technique and Operative Outcome in Primary Brain Tumor Neurosurgery. <i>World Neurosurgery</i> , 2020 , 144, e62-e71	2.1	5
7	Fracture mechanics of blood clots: Measurements of toughness and critical length scales. <i>Extreme Mechanics Letters</i> , 2021 , 48, 101444	3.9	5
6	Chitosan nanocrystals synthesis via aging and application towards alginate hydrogels for sustainable drug release. <i>Green Chemistry</i> , 2021 , 23, 6527-6537	10	5
5	Tissue adhesion with tough hydrogels: Experiments and modeling. <i>Mechanics of Materials</i> , 2021 , 157, 103800	3.3	4
4	Stimulation Modulates Adhesion and Mechanics of Hydrogel Adhesives. <i>Langmuir</i> , 2021 , 37, 7097-7106	4	4
3	Ionotronic Tough Adhesives with Intrinsic Multifunctionality. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37849-37861	9.5	4
2	Hemostatic biomaterials to halt non-compressible hemorrhage. <i>Journal of Materials Chemistry B</i> ,	7.3	4
1	Blood clot behaves as a poro-visco-elastic material.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 128, 105101	4.1	3

