

# Lulu Han

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6515029/publications.pdf>

Version: 2024-02-01

33  
papers

938  
citations

623734

14  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of polydopamine and poly(DOPA) melanin-like films on the surface of polymer membranes under strongly acidic and alkaline conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 22-28.	5.0	210
2	Gradient biomaterials and their influences on cell migration. <i>Interface Focus</i> , 2012, 2, 337-355.	3.0	126
3	Directional cell migration through cell-cell interaction on polyelectrolyte multilayers with swelling gradients. <i>Biomaterials</i> , 2013, 34, 975-984.	11.4	62
4	Coating process and stability of metal-polyphenol film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 197-205.	4.7	62
5	Modulating the Structure and Properties of Poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (4-styrenesulfonate)/Pol Solutions. <i>Langmuir</i> , 2012, 28, 193-199.	3.5	56
6	Galloyl groups-regulated fibrinogen conformation: Understanding antiplatelet adhesion on tannic acid coating. <i>Acta Biomaterialia</i> , 2017, 64, 187-199.	8.3	43
7	A Novel Platelet-Repellent Polyphenolic Surface and Its Micropattern for Platelet Adhesion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26570-26577.	8.0	37
8	A Chemical Method for Specific Capture of Circulating Tumor Cells Using Label-Free Polyphenol-Functionalized Films. <i>Chemistry of Materials</i> , 2018, 30, 4372-4382.	6.7	35
9	Influences of surface chemistry and swelling of salt-treated polyelectrolyte multilayers on migration of smooth muscle cells. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3455-3468.	3.4	34
10	Metal Ion-Chelated Tannic Acid Coating for Hemostatic Dressing. <i>Materials</i> , 2019, 12, 1803.	2.9	34
11	Anticoagulant Surface Coating Using Composite Polysaccharides with Embedded Heparin-Releasing Mesoporous Silica. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12571-12578.	8.0	30
12	Unidirectional migration of single smooth muscle cells under the synergetic effects of gradient swelling cue and parallel groove patterns. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 1-6.	5.0	23
13	Stability of polyelectrolyte multilayer micropatterns in response to post-treatments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 299-304.	4.7	17
14	A density gradient of basic fibroblast growth factor guides directional migration of vascular smooth muscle cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 290-295.	5.0	17
15	Natural Fish Trap-Like Nanocage for Label-Free Capture of Circulating Tumor Cells. <i>Advanced Science</i> , 2020, 7, 2002259.	11.2	16
16	Removal of indoxyl sulfate by water-soluble poly-cyclodextrins in dialysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 406-413.	5.0	15
17	Influence of Drying Time of Polyelectrolyte Multilayers on the Compression-Induced Pattern Formation. <i>Langmuir</i> , 2008, 24, 13925-13933.	3.5	14
18	Adsorption of Fibronectin on Salt-Etched Polyelectrolyte Multilayers and its Roles in Mediating the Adhesion and Migration of Vascular Smooth Muscle Cells. <i>Macromolecular Bioscience</i> , 2015, 15, 241-252.	4.1	14

#	ARTICLE	IF	CITATIONS
19	Facile Oriented Immobilization of Histidine-Tagged Proteins on Nonfouling Cobalt Polyphenolic Self-Assembly Surfaces. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3328-3337.	5.2	14
20	Multi-sites polyclodextrin adsorbents for removal of protein-bound uremic toxins combining with hemodialysis. <i>Carbohydrate Polymers</i> , 2020, 247, 116665.	10.2	14
21	Directional migration of vascular smooth muscle cells guided by synergetic surface gradient and chemical pattern of poly(ethylene glycol) brushes. <i>Journal of Bioactive and Compatible Polymers</i> , 2013, 28, 605-620.	2.1	12
22	Polyelectrolyte Multilayer Patterns Created by Capillary Force and Their Impact on Cell Migration. <i>Chinese Journal of Chemistry</i> , 2014, 32, 66-72.	4.9	10
23	Solvent-assisted polymer micro-molding. <i>Science Bulletin</i> , 2009, 54, 2193-2204.	1.7	9
24	A facile method to oriented immobilization of His-tagged BirA on Co <sup>3+</sup> -NTA agarose beads. <i>Enzyme and Microbial Technology</i> , 2019, 120, 36-42.	3.2	6
25	Hemocompatible MOF-decorated pollen hemoperfusion absorbents for rapid and highly efficient removal of protein-bound uremic toxins. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7617-7627.	5.9	6
26	Modular Chamber Assembled with Cell-Replicated Surface for Capture of Cancer Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2647-2656.	5.2	5
27	Force-Free Patterning of Polyelectrolyte Multilayers under Solvent Assistance. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 716-725.	3.6	4
28	Coordination-driven reversible surfaces with site-specifically immobilized nanobody for dynamic cancer cell capture and release. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7511-7520.	5.8	4
29	Benzotriazole-5-carboxylic as a mixed-mode ligand for chromatographic separation of antibody with enhanced adsorption capacity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122652.	2.3	3
30	Fossil-like pollen grains for construction of UV-responsive photochromic and fluorogenic dual-functional film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126944.	4.7	3
31	Tyrosine-Based Dual-Functional Interface for Trapping and On-Site Photo-Induced Covalent Immobilization of Proteins. <i>Bioconjugate Chemistry</i> , 2022, 33, 829-838.	3.6	2
32	Facile calcium ion-regulated grafting of dense and highly stretched hyaluronan for selective mediation of cancer cells rolling under high-speed flow. <i>Acta Biomaterialia</i> , 2022, 146, 177-186.	8.3	1
33	Increased clearance of indoxyl sulfate in renal failure rats with the addition of watersoluble poly(2-vinylpyridine)-cyclodextrin to the dialysate. <i>Nephrology</i> , 2021, , .	1.6	0