

# Jindan Wu

## List of Publications by Year in descending order

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55  
papers

1,884  
citations

236612

25  
h-index

264894

42  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2650  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gelatin/chitosan/hyaluronan scaffold integrated with PLGA microspheres for cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2009, 5, 328-337.	4.1	166
2	Facile fabrication of nanofiber- and micro/nanosphere-coordinated PVDF membrane with ultrahigh permeability of viscous water-in-oil emulsions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7014-7020.	5.2	132
3	Gradient biomaterials and their influences on cell migration. <i>Interface Focus</i> , 2012, 2, 337-355.	1.5	126
4	The effect of membrane surface charges on demulsification and fouling resistance during emulsion separation. <i>Journal of Membrane Science</i> , 2018, 563, 126-133.	4.1	82
5	Superhydrophilic carbonaceous-silver nanofibrous membrane for complex oil/water separation and removal of heavy metal ions, organic dyes and bacteria. <i>Journal of Membrane Science</i> , 2020, 614, 118491.	4.1	79
6	Inflammation-targeting polymeric nanoparticles deliver sparfloxacin and tacrolimus for combating acute lung sepsis. <i>Journal of Controlled Release</i> , 2020, 321, 463-474.	4.8	77
7	Controlling the migration behaviors of vascular smooth muscle cells by methoxy poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (4-styrenesulfonate)/P	5.7	74
8	A correlation study of protein adsorption and cell behaviors on substrates with different densities of PEG chains. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 134-142.	2.5	70
9	Gradient immobilization of a cell adhesion RGD peptide on thermal responsive surface for regulating cell adhesion and detachment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 12-18.	2.5	68
10	The fabrication of pH-responsive polymeric layer with switchable surface wettability on cotton fabric for oil/water separation. <i>Materials Letters</i> , 2015, 160, 384-387.	1.3	65
11	Directional cell migration through cell-cell interaction on polyelectrolyte multilayers with swelling gradients. <i>Biomaterials</i> , 2013, 34, 975-984.	5.7	62
12	Self-cleaning pH/thermo-responsive cotton fabric with smart-control and reusable functions for oil/water separation. <i>RSC Advances</i> , 2016, 6, 24076-24082.	1.7	62
13	Modulating the Structure and Properties of Poly(sodium Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (4-styrenesulfonate)/P Solutions. <i>Langmuir</i> , 2012, 28, 193-199.	1.6	56
14	Superhydrophilic and mechanical robust PVDF nanofibrous membrane through facile interfacial Span 80 welding for excellent oil/water separation. <i>Applied Surface Science</i> , 2019, 485, 179-187.	3.1	44
15	The Design of Biodegradable Microcarriers for Induced Cell Aggregation. <i>Macromolecular Bioscience</i> , 2010, 10, 156-163.	2.1	43
16	Microscale control over collagen gradient on poly(L-lactide) membrane surface for manipulating chondrocyte distribution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 210-215.	2.5	39
17	Eco-friendly surface modification on polyester fabrics by esterase treatment. <i>Applied Surface Science</i> , 2014, 295, 150-157.	3.1	37
18	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.	1.5	34

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19	Solvent-Directed Assembly of a Pyridinium-Tailored Methyl Oleanolate Amphiphile: Stepwise Growth of Microrods and Nanofibers. <i>Langmuir</i> , 2016, 32, 1685-1692.	1.6	34
20	Underwater oleophobic PTFE membrane for efficient and reusable emulsion separation and the influence of surface wettability and pore size. <i>Separation and Purification Technology</i> , 2017, 189, 32-39.	3.9	32
21	Preparation of Zwitterionic Polymer-Functionalized Cotton Fabrics and the Performance of Anti-Biofouling and Long-Term Biofilm Resistance. <i>Colloids and Interface Science Communications</i> , 2018, 24, 98-104.	2.0	32
22	Biomimetic modification of chitosan with covalently grafted lactose and blended heparin for improvement of <i>in vitro</i> cellular interaction. <i>Polymers for Advanced Technologies</i> , 2008, 19, 15-23.	1.6	31
23	A pH and hyaluronidase dual-responsive multilayer-based drug delivery system for resisting bacterial infection. <i>Applied Surface Science</i> , 2020, 527, 146806.	3.1	29
24	Organogels of triterpenoid-tripeptide conjugates: encapsulation of dye molecules and basicity increase associated with aggregation. <i>RSC Advances</i> , 2013, 3, 23548.	1.7	28
25	Self-assembly of sodium glycyrrhetinate into a hydrogel: characterisation and properties. <i>RSC Advances</i> , 2013, 3, 24906.	1.7	27
26	Charge-transfer interaction mediated organogels from 18 $\beta$ -glycyrrhetic acid appended pyrene. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2877-2885.	1.3	24
27	Acidity-triggered charge-reversible multilayers for construction of adaptive surfaces with switchable bactericidal and bacteria-repelling functions. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7462-7470.	2.9	24
28	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.	2.5	23
29	Fabrication of highly underwater oleophobic textiles through poly(vinyl alcohol) crosslinking for oil/water separation: the effect of surface wettability and textile type. <i>Journal of Materials Science</i> , 2017, 52, 1194-1202.	1.7	22
30	One-Step Fabrication of a Micro/Nanosphere-Coordinated Dual Stimulus-Responsive Nanofibrous Membrane for Intelligent Antifouling and Ultrahigh Permeability of Viscous Water-in-Oil Emulsions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27635-27644.	4.0	22
31	Covalently immobilized gelatin gradients within three-dimensional porous scaffolds. <i>Science Bulletin</i> , 2009, 54, 3174-3180.	1.7	21
32	Tuning the aggregation mode to induce different chiralities in organogels of mono- and bis-triterpenoid derivatives and the preparation of gold nanoparticles for use as a template. <i>New Journal of Chemistry</i> , 2014, 38, 6050-6056.	1.4	20
33	Conjugation of Basic Fibroblast Growth Factor on a Heparin Gradient for Regulating the Migration of Different Types of Cells. <i>Bioconjugate Chemistry</i> , 2013, 24, 1302-1313.	1.8	18
34	Water tuned nano/micro-structures in a redox-responsive supramolecular gel. <i>RSC Advances</i> , 2014, 4, 63539-63543.	1.7	17
35	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.	2.5	17
36	Confined Channels Induced Coalescence Demulsification and Slippery Interfaces Constructed Fouling Resist-Release for Long-Lasting Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 30224-30234.	4.0	17

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37	Surface-grafted block copolymer brushes with continuous composition gradients of poly(poly(ethylene glycol)-monomethacrylate) and poly(N-isopropylacrylamide). <i>Science China Chemistry</i> , 2011, 54, 334-342.	4.2	16
38	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.	0.8	12
39	Multifunctional fibrous wound dressings for refractory wound healing. <i>Journal of Polymer Science</i> , 2022, 60, 2191-2212.	2.0	12
40	Polyelectrolyte Multilayer Patterns Created by Capillary Force and Their Impact on Cell Migration. <i>Chinese Journal of Chemistry</i> , 2014, 32, 66-72.	2.6	10
41	Thermo-responsive poly( <i>N</i> -isopropylacrylamide) grafted polyester textiles with switchable surface wettability. <i>Textile Reseach Journal</i> , 2016, 86, 677-684.	1.1	10
42	Cooperative supramolecular helical assembly of a pyridinium-tailored methyl glycyrrhetate. <i>Soft Matter</i> , 2016, 12, 8979-8982.	1.2	9
43	Ag@polyDOPA-b-polysarcosine hybrid nanoparticles with antimicrobial properties from in-situ reduction and NTA polymerization. <i>European Polymer Journal</i> , 2019, 121, 109269.	2.6	9
44	Influence of Nonionic Surfactant on Hydrolysis of Vinyl Sulfone Reactive Dye. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 1127-1135.	1.0	8
45	pH-Sensitive Membranes with Smart Cleaning Capability for Efficient Emulsion Separation and Pollutant Removal. <i>Membranes</i> , 2021, 11, 193.	1.4	8
46	Surface Modification of Polyamide 6,6 Fabrics with an Alkaline Protease “ Subtilisin. <i>Journal of Engineered Fibers and Fabrics</i> , 2016, 11, 155892501601100.	0.5	7
47	Polyacrylamide-Modified Polyester Fabric with Easy-Cleaning for Efficient Oil/Water Separation. <i>AATCC Journal of Research</i> , 2018, 5, 1-6.	0.3	7
48	Melt electrowritten poly(caprolactone) lattices incorporated with silver nanoparticles for directional water transport antibacterial wound dressings. <i>New Journal of Chemistry</i> , 2022, 46, 13565-13574.	1.4	6
49	Gram-scale synthesis of splat-shaped Ag@TiO <sub>2</sub> nanocomposites for enhanced antimicrobial properties. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1119-1125.	1.5	5
50	Effect of the Chain Density and Chain Length on the pH-Responsibility of Poly(acrylic acid) Grafted Cotton. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5689-5695.	0.9	4
51	Study of Crystal Violet Hueing Dye Deposition on Fabrics During Home Laundry. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 795-801.	1.0	2
52	A facile preparation of cotton fabric containing hybrid poly(sodium methacrylate)/silver nanoparticles for oil removal and water disinfection. <i>Textile Reseach Journal</i> , 2019, 89, 5096-5107.	1.1	2
53	Synergistic bactericidal nanofibers with photothermal controlled release of antibiotics triggered by near infrared. <i>Materials Letters</i> , 2021, 302, 130423.	1.3	2
54	Methyl 1,2-Shift Rearrangement on C=C and Decarboxylation at C28 of Oleanolic Acid Derivatives. <i>Chinese Journal of Chemistry</i> , 2014, 32, 133-136.	2.6	1

#	ARTICLE	IF	CITATIONS
55	Study of Different Hueing Dyes Deposition on Fabrics during Home Laundry. Tenside, Surfactants, Detergents, 2016, 53, 561-567.	0.5	0