

Yun Chen

List of Publications by Year in descending order

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156
papers

6,057
citations

61857

43
h-index

95083

68
g-index

160
all docs

160
docs citations

160
times ranked

7739
citing authors

#	ARTICLE	IF	CITATIONS
1	Bionanocomposites based on pea starch and cellulose nanowhiskers hydrolyzed from pea hull fibre: Effect of hydrolysis time. <i>Carbohydrate Polymers</i> , 2009, 76, 607-615.	5.1	339
2	Comparative study on the films of poly(vinyl alcohol)/pea starch nanocrystals and poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 702 T	5.1	279
3	Green composites reinforced with hemp nanocrystals in plasticized starch. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3804-3810.	1.3	202
4	Simultaneous Stretching and Contraction of Stress Fibers In Vivo. <i>Molecular Biology of the Cell</i> , 2004, 15, 3497-3508.	0.9	176
5	Facile preparation of robust and biocompatible chitin aerogels. <i>Journal of Materials Chemistry</i> , 2012, 22, 5801.	6.7	163
6	Super-Suppression of Mitochondrial Reactive Oxygen Species Signaling Impairs Compensatory Autophagy in Primary Mitophagic Cardiomyopathy. <i>Circulation Research</i> , 2014, 115, 348-353.	2.0	163
7	Strong and Rapidly Self-Healing Hydrogels: Potential Hemostatic Materials. <i>Advanced Healthcare Materials</i> , 2016, 5, 2813-2822.	3.9	138
8	Methods to measure the lateral diffusion of membrane lipids and proteins. <i>Methods</i> , 2006, 39, 147-153.	1.9	135
9	Ultrafast Fabrication of Self-Healing and Injectable Carboxymethyl Chitosan Hydrogel Dressing for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24095-24105.	4.0	126
10	Epichlorohydrin-Cross-linked Hydroxyethyl Cellulose/Soy Protein Isolate Composite Films as Biocompatible and Biodegradable Implants for Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2781-2795.	4.0	120
11	Structural characterization and properties of starch/konjac glucomannan blend films. <i>Carbohydrate Polymers</i> , 2008, 74, 946-952.	5.1	103
12	Construction of Chitin/PVA Composite Hydrogels with Jellyfish Gel-Like Structure and Their Biocompatibility. <i>Biomacromolecules</i> , 2014, 15, 3358-3365.	2.6	101
13	Fast Contact of Solid-Liquid Interface Created High Strength Multi-Layered Cellulose Hydrogels with Controllable Size. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1872-1878.	4.0	87
14	Improved Mechanical Properties and Sustained Release Behavior of Cationic Cellulose Nanocrystals Reinforced Cationic Cellulose Injectable Hydrogels. <i>Biomacromolecules</i> , 2016, 17, 2839-2848.	2.6	87
15	Direct interaction with filamins modulates the stability and plasma membrane expression of CFTR. <i>Journal of Clinical Investigation</i> , 2007, 117, 364-374.	3.9	85
16	Transient anchorage of cross-linked glycosyl-phosphatidylinositol-anchored proteins depends on cholesterol, Src family kinases, caveolin, and phosphoinositides. <i>Journal of Cell Biology</i> , 2006, 175, 169-178.	2.3	83
17	Preparation and properties of plasticized starch/multiwalled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1431-1437.	1.3	78
18	Bacteria induce skin regeneration via IL-1 β signaling. <i>Cell Host and Microbe</i> , 2021, 29, 777-791.e6.	5.1	78

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19	Structure of an activated DNA-PK and its implications for NHEJ. <i>Molecular Cell</i> , 2021, 81, 801-810.e3.	4.5	77
20	Orientation-specific responses to sustained uniaxial stretching in focal adhesion growth and turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2352-61.	3.3	73
21	Self-Healing Hyaluronic Acid Nanocomposite Hydrogels with Platelet-Rich Plasma Impregnated for Skin Regeneration. <i>ACS Nano</i> , 2022, 16, 11346-11359.	7.3	70
22	Kinetics of milk lipid droplet transport, growth, and secretion revealed by intravital imaging: lipid droplet release is intermittently stimulated by oxytocin. <i>Molecular Biology of the Cell</i> , 2017, 28, 935-946.	0.9	68
23	Starch Nanoparticlesâ€“Graphene Aerogels with High Supercapacitor Performance and Efficient Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14064-14073.	3.2	68
24	Conductive, Self-Healing, Adhesive, and Antibacterial Hydrogels Based on Lignin/Cellulose for Rapid MRSA-Infected Wound Repairing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52333-52345.	4.0	68
25	Pea starchâ€“based composite films with pea hull fibers and pea hull fiberâ€“derived nanowhiskers. <i>Polymer Engineering and Science</i> , 2009, 49, 369-378.	1.5	66
26	Accelerated skin wound healing by soy protein isolateâ€“modified hydroxypropyl chitosan composite films. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1293-1302.	3.6	61
27	The synergetic bone-forming effects of combinations of growth factors expressed by adenovirus vectors on chitosan/collagen scaffolds. <i>Journal of Controlled Release</i> , 2009, 136, 172-178.	4.8	59
28	Structure and properties of starch/Î±-zirconium phosphate nanocomposite films. <i>Carbohydrate Polymers</i> , 2009, 77, 358-364.	5.1	59
29	Preparation and emulsification properties of dialdehyde starch nanoparticles. <i>Food Chemistry</i> , 2019, 286, 467-474.	4.2	59
30	Graphene oxide-modified electrospun polyvinyl alcohol nanofibrous scaffolds with potential as skin wound dressings. <i>RSC Advances</i> , 2017, 7, 28826-28836.	1.7	54
31	Biomimetic mineralization of novel hydroxyethyl cellulose/soy protein isolate scaffolds promote bone regeneration in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1627-1641.	3.6	54
32	Role of Star-Like Hydroxylpropyl Lignin in Soy-Protein Plastics. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 524-530.	1.7	52
33	Concerted actions of distinct nonmuscle myosin II isoforms drive intracellular membrane remodeling in live animals. <i>Journal of Cell Biology</i> , 2017, 216, 1925-1936.	2.3	52
34	The transmembrane protein CBP plays a role in transiently anchoring small clusters of Thy-1, a GPI-anchored protein, to the cytoskeleton. <i>Journal of Cell Science</i> , 2009, 122, 3966-3972.	1.2	51
35	Three-dimensional Nanohydroxyapatite/Chitosan Scaffolds as Potential Tissue Engineered Periodontal Tissue. <i>Journal of Biomaterials Applications</i> , 2007, 21, 333-349.	1.2	50
36	Cellulose nanowhiskers: Preparation, characterization and cytotoxicity evaluation. <i>Bio-Medical Materials and Engineering</i> , 2012, 22, 121-127.	0.4	50

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37	Bioinspired Materials with Self-Adaptable Mechanical Properties. <i>Advanced Materials</i> , 2020, 32, e1906970.	11.1	49
38	Construction of nerve guide conduits from cellulose/soy protein composite membranes combined with Schwann cells and pyrroloquinoline quinone for the repair of peripheral nerve defect. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 507-513.	1.0	48
39	Structure and Properties of Composites Compression-Molded from Polyurethane Prepolymer and Various Soy Products. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 6786-6794.	1.8	47
40	Properties and structural characterization of oxidized starch/PVA/zirconium phosphate composites. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1089-1097.	1.3	47
41	Preparation and characterization of chitosan/zirconium phosphate nanocomposite films. <i>Polymer International</i> , 2010, 59, 923-930.	1.6	47
42	Electroassembly of Chitin Nanoparticles to Construct Freestanding Hydrogels and High Porous Aerogels for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34766-34776.	4.0	46
43	Oriented nanofibrous P(MMD-co-LA)/Deferoxamine nerve scaffold facilitates peripheral nerve regeneration by regulating macrophage phenotype and revascularization. <i>Biomaterials</i> , 2022, 280, 121288.	5.7	46
44	pH-sensitive alginate/soy protein microspheres as drug transporter. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1034-1041.	1.3	44
45	An implantable and versatile piezoresistive sensor for the monitoring of human-machine interface interactions and the dynamical process of nerve repair. <i>Nanoscale</i> , 2019, 11, 21103-21118.	2.8	44
46	Force-dependent extracellular matrix remodeling by early-stage cancer cells alters diffusion and induces carcinoma-associated fibroblasts. <i>Biomaterials</i> , 2020, 234, 119756.	5.7	44
47	Comprehensive strategy of conduit guidance combined with VEGF producing Schwann cells accelerates peripheral nerve repair. <i>Bioactive Materials</i> , 2021, 6, 3515-3527.	8.6	44
48	Structure and mechanical properties of cellulose derivatives/soy protein isolate blends. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3267-3274.	1.3	38
49	Hypoglycemic effects of malonylginsenosides extracted from roots of <i>Panax ginseng</i> on streptozotocin-induced diabetic mice. <i>Phytotherapy Research</i> , 2009, 23, 1426-1430.	2.8	38
50	Preparation, Characterization, and <i>In Vitro</i> and <i>In Vivo</i> Evaluation of Cellulose/Soy Protein Isolate Composite Sponges. <i>Journal of Biomaterials Applications</i> , 2010, 24, 503-526.	1.2	38
51	Wireless Amplified Nuclear MR Detector (WAND) for High-Spatial-Resolution MR Imaging of Internal Organs: Preclinical Demonstration in a Rodent Model. <i>Radiology</i> , 2013, 268, 228-236.	3.6	38
52	<i>In Vivo</i> Tissue-wide Synchronization of Mitochondrial Metabolic Oscillations. <i>Cell Reports</i> , 2014, 9, 514-521.	2.9	38
53	Improvement in physical and biological properties of chitosan/soy protein films by surface grafted heparin. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 19-29.	3.6	38
54	c-Jun NH2-terminal Kinase Activation Leads to a FADD-dependent but Fas Ligand-independent Cell Death in Jurkat T Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 8350-8357.	1.6	37

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55	Properties and biodegradability of water-resistant soy protein/poly(ϵ -caprolactone)/toluene-2,4-diisocyanate composites. <i>Polymer Degradation and Stability</i> , 2006, 91, 2189-2197.	2.7	36
56	Construction of highly biocompatible hydroxyethyl cellulose/soy protein isolate composite sponges for tissue engineering. <i>Chemical Engineering Journal</i> , 2018, 341, 402-413.	6.6	35
57	Preparation and properties of granular cold-water-soluble porous starch. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 656-662.	3.6	35
58	Hypoxic Preconditioning Enhances the Efficacy of Mesenchymal Stem Cells-Derived Conditioned Medium in Switching Microglia toward Anti-inflammatory Polarization in Ischemia/Reperfusion. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 505-524.	1.7	35
59	Multifunctional Double-Layer Composite Hydrogel Conduit Based on Chitosan for Peripheral Nerve Repairing. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200115.	3.9	34
60	Cancer cells display increased migration and deformability in pace with metastatic progression. <i>FASEB Journal</i> , 2020, 34, 9307-9315.	0.2	33
61	Transient confinement zones: A type of lipid raft?. <i>Lipids</i> , 2004, 39, 1115-1119.	0.7	32
62	STAT6 specific shRNA inhibits proliferation and induces apoptosis in colon cancer HT-29 cells. <i>Cancer Letters</i> , 2006, 243, 38-46.	3.2	32
63	Reinforced Mechanical Properties and Tunable Biodegradability in Nanoporous Cellulose Gels: Poly(ϵ -lactide-co- ϵ -caprolactone) Nanocomposites. <i>Biomacromolecules</i> , 2016, 17, 1506-1515.	2.6	32
64	Physical properties and biocompatibility of cellulose/soy protein isolate membranes coagulated from acetic aqueous solution. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 479-496.	1.9	31
65	Blend membranes prepared from cellulose and soy protein isolate in NaOH/thiourea aqueous solution. <i>Journal of Applied Polymer Science</i> , 2004, 94, 748-757.	1.3	30
66	Emerging chitin nanogels/rectorite nanocomposites for safe and effective hemorrhage control. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5096-5103.	2.9	30
67	Conductive Hydroxyethyl Cellulose/Soy Protein Isolate/Polyaniline Conduits for Enhancing Peripheral Nerve Regeneration via Electrical Stimulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 709.	2.0	30
68	Long-term antibacterial protected cotton fabric coating by controlled release of chlorhexidine gluconate from halloysite nanotubes. <i>RSC Advances</i> , 2017, 7, 18917-18925.	1.7	29
69	Enhanced Peripheral Nerve Regeneration by a High Surface Area to Volume Ratio of Nerve Conduits Fabricated from Hydroxyethyl Cellulose/Soy Protein Composite Sponges. <i>ACS Omega</i> , 2017, 2, 7471-7481.	1.6	29
70	Digestibility and physicochemical properties of starch-galactomannan complexes by heat-moisture treatment. <i>Food Hydrocolloids</i> , 2018, 77, 853-862.	5.6	28
71	Preparation and properties of water-resistant soy dreg/benzyl konjac glucomannan composite plastics. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3790-3796.	1.3	27
72	Thermoforming starch-graft-polycaprolactone biocomposites via one-pot microwave assisted ring opening polymerization. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2973-2979.	1.3	27

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73	Electrical Writing onto a Dynamically Responsive Polysaccharide Medium: Patterning Structure and Function into a Reconfigurable Medium. <i>Advanced Functional Materials</i> , 2018, 28, 1803139.	7.8	27
74	Intracellular pathway of halloysite nanotubes: potential application for antitumor drug delivery. <i>Journal of Materials Science</i> , 2019, 54, 693-704.	1.7	27
75	Myosin II governs intracellular pressure and traction by distinct tropomyosin-dependent mechanisms. <i>Molecular Biology of the Cell</i> , 2019, 30, 1170-1181.	0.9	27
76	Rubiaccordone A: A New Anthraquinone Glycoside from the Roots of <i>Rubia cordifolia</i> . <i>Molecules</i> , 2009, 14, 566-572.	1.7	25
77	Topological defects of integer charge in cell monolayers. <i>Soft Matter</i> , 2021, 17, 5878-5887.	1.2	25
78	Oxidized pea starch/chitosan composite films: Structural characterization and properties. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3082-3088.	1.3	24
79	Creation of Hydrophobic Materials Fabricated from Soy Protein and Natural Rubber: Surface, Interface, and Properties. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 451-459.	1.7	24
80	The Effects of Stiffness, Fluid Viscosity, and Geometry of Microenvironment in Homeostasis, Aging, and Diseases: A Brief Review. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	24
81	Improvement in physical properties and cytocompatibility of zein by incorporation of pea protein isolate. <i>Journal of Materials Science</i> , 2010, 45, 6775-6785.	1.7	23
82	Shape memory histocompatible and biodegradable sponges for subcutaneous defect filling and repair: greatly reducing surgical incision. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5848-5860.	2.9	23
83	Ordered assembly of the cytosolic RNA-sensing MDA5-MAVS signaling complex via binding to unanchored K63-linked poly-ubiquitin chains. <i>Immunity</i> , 2021, 54, 2218-2230.e5.	6.6	23
84	A Hydrogen Bonds-Crosslinked Hydrogels With Self-Healing and Adhesive Properties for Hemostatic. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 855013.	2.0	23
85	Bone marrow mesenchymal stem cellsâ€derived conditioned medium protects cardiomyocytes from hypoxia/reoxygenationâ€induced injury through Notch2/mTOR/autophagy signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 18906-18916.	2.0	22
86	High-Throughput Microdissection for Next-Generation Sequencing. <i>PLoS ONE</i> , 2016, 11, e0151775.	1.1	21
87	Cellulose/soy protein composite-based nerve guidance conduits with designed microstructure for peripheral nerve regeneration. <i>Journal of Neural Engineering</i> , 2016, 13, 056019.	1.8	21
88	Electrodeposition to construct free-standing chitosan/layered double hydroxides hydro-membrane for electrically triggered protein release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 474-479.	2.5	21
89	Early Vascular Cells Improve Microvascularization Within 3D Cardiac Spheroids. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 80-90.	1.1	21
90	Effects of starch nanocrystalâ€graftâ€polycaprolactone on mechanical properties of waterborne polyurethaneâ€based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009, 111, 619-627.	1.3	20

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91	Environmental Risk Factors in Han and Uyghur Children with Dyslexia: A Comparative Study. PLoS ONE, 2016, 11, e0159042.	1.1	20
92	Multiscale brain research on a microfluidic chip. Lab on A Chip, 2020, 20, 1531-1543.	3.1	20
93	Preparation of hydroxybutyl starch with a high degree of substitution and its application in temperature-sensitive hydrogels. Food Chemistry, 2021, 355, 129472.	4.2	20
94	An Economic, Modular, and Portable Skin Viscoelasticity Measurement Device for In Situ Longitudinal Studies. Molecules, 2019, 24, 907.	1.7	19
95	Bioinspired Redwood-like Scaffolds Coordinated by In Situ-generated Silica-containing Hybrid Nanocoatings Promote Angiogenesis and Osteogenesis both In Vitro and In Vivo. Advanced Healthcare Materials, 2021, 10, e2101591.	3.9	19
96	Mussel-inspired multifunctional surface through promoting osteogenesis and inhibiting osteoclastogenesis to facilitate bone regeneration. Npj Regenerative Medicine, 2022, 7, 29.	2.5	19
97	Starch-based nanocomposites reinforced with layered zirconium phosphonate. Polymer Composites, 2010, 31, 1938-1946.	2.3	18
98	Arbitrarily shapeable and conductive hydrogel with "Magic Cube"-like structure for real-time monitoring and promoting wound healing. Composites Part B: Engineering, 2022, 238, 109903.	5.9	18
99	Electrodeposition to construct mechanically robust chitosan-based multi-channel conduits. Colloids and Surfaces B: Biointerfaces, 2018, 163, 412-418.	2.5	17
100	Mesenchymal stem cell interacted with PLCL braided scaffold coated with poly-L-lysine/hyaluronic acid for ligament tissue engineering. Journal of Biomedical Materials Research - Part A, 2018, 106, 3042-3052.	2.1	17
101	Facile fabrication of soy protein isolate-functionalized nanofibers with enhanced biocompatibility and hemostatic effect on full-thickness skin injury. Nanoscale, 2021, 13, 15743-15754.	2.8	17
102	Effect of the Degree of Acetylation of Chitin Nonwoven Fabrics for Promoting Wound Healing. ACS Applied Bio Materials, 2021, 4, 1833-1842.	2.3	17
103	Fabrication of Hydroxypropyl Chitosan/Soy Protein Isolate Hydrogel for Effective Hemorrhage Control. Tissue Engineering - Part A, 2021, 27, 788-795.	1.6	16
104	Brain Derived Neurotrophic Factor and Glial Cell Line-Derived Neurotrophic Factor-Transfected Bone Mesenchymal Stem Cells for the Repair of Periphery Nerve Injury. Frontiers in Bioengineering and Biotechnology, 2020, 8, 874.	2.0	16
105	Green fabrication of seedbed-like Flammulina velutipes polysaccharides-derived scaffolds accelerating full-thickness skin wound healing accompanied by hair follicle regeneration. International Journal of Biological Macromolecules, 2021, 167, 117-129.	3.6	16
106	Is there a cause-and-effect relationship between physicochemical properties and cell behavior of alginate-based hydrogel obtained after sterilization?. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 68, 134-143.	1.5	15
107	Electrofabrication of flexible and mechanically strong tubular chitosan implants for peripheral nerve regeneration. Journal of Materials Chemistry B, 2021, 9, 5537-5546.	2.9	15
108	Response of collagen matrices under pressure and hydraulic resistance in hydrogels. Soft Matter, 2019, 15, 2617-2626.	1.2	14

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109	Mechanical stimulation enhances development of scaffold-free, 3D-printed, engineered heart tissue grafts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 503-512.	1.3	14
110	Improvement of functionality after chitosan-modified zein biocomposites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 227-239.	1.9	13
111	Natural <i>Flammulina velutipes</i> -Based Nerve Guidance Conduit as a Potential Biomaterial for Peripheral Nerve Regeneration: In Vitro and In Vivo Studies. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3821-3834.	2.6	13
112	A New Network Composite Material Based on Soy Dreg Modified with Polyurethane Prepolymer. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 484-494.	1.7	12
113	Fabrication and evaluation of physical properties and cytotoxicity of zein-based polyurethanes. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 823-833.	1.7	12
114	A biodegradable soy protein isolate-based waterborne polyurethane composite sponge for implantable tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 120.	1.7	11
115	Force-dependent trans-endocytosis by breast cancer cells depletes costimulatory receptor CD80 and attenuates T cell activation. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112389.	5.3	11
116	Soy protein-based nanocomposites reinforced by supramolecular nanoplatelets assembled from pluronic polymers/ β -cyclodextrin pseudopolyrotaxanes. <i>Journal of Applied Polymer Science</i> , 2008, 107, 409-417.	1.3	10
117	Measuring collective cell movement and extracellular matrix interactions using magnetic resonance imaging. <i>Scientific Reports</i> , 2013, 3, 1879.	1.6	10
118	Construction of biocompatible regenerated cellulose/SPI composite beads using high-voltage electrostatic technique. <i>RSC Advances</i> , 2016, 6, 52528-52538.	1.7	10
119	Comparison of MSC properties in two different hydrogels. Impact of mechanical properties. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, S193-S200.	0.4	10
120	The small GTPase RhoG regulates microtubule-mediated focal adhesion disassembly. <i>Scientific Reports</i> , 2019, 9, 5163.	1.6	10
121	Structure and Properties of Soy Protein/Alumina Hydrate Nanocomposites Fabricated via <i>In Situ</i> Synthesis. <i>Journal of Biobased Materials and Bioenergy</i> , 2008, 2, 248-257.	0.1	10
122	Computer-Aided Laser Dissection: A Microdissection Workflow Leveraging Image Analysis Tools. <i>Journal of Pathology Informatics</i> , 2018, 9, 45.	0.8	10
123	Toughened composites prepared from castor oil based polyurethane and soy dreg by a one-step reactive extrusion process. <i>Journal of Applied Polymer Science</i> , 2006, 101, 953-960.	1.3	9
124	Preparation and Characterization of Magnetic Chitosan Microcapsules. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.	0.9	9
125	A simple mechanical agitation method to fabricate chitin nanogels directly from chitin solution and subsequent surface modification. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2226-2232.	2.9	9
126	A novel human endometrial epithelial cell line for modeling gynecological diseases and for drug screening. <i>Laboratory Investigation</i> , 2021, 101, 1505-1512.	1.7	9

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127	Controlled delivery of platelet-derived growth factor-BB from injectable microsphere/hydrogel composites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 308-316.	2.5	8
128	Design of bright near-infrared-emitting quantum dots capped with different stabilizing ligands for tumor targeting. <i>RSC Advances</i> , 2018, 8, 4221-4229.	1.7	8
129	Versatile and High-throughput Force Measurement Platform for Dorsal Cell Mechanics. <i>Scientific Reports</i> , 2019, 9, 13286.	1.6	8
130	Characterization of Bone Marrow and Wharton's Jelly Mesenchymal Stromal Cells Response on Multilayer Braided Silk and Silk/PLCL Scaffolds for Ligament Tissue Engineering. <i>Polymers</i> , 2020, 12, 2163.	2.0	8
131	Improvement in hemocompatibility of chitosan/soy protein composite membranes by heparinization. <i>Bio-Medical Materials and Engineering</i> , 2012, 22, 143-150.	0.4	7
132	Rat BMSC infusion was unable to ameliorate inflammatory injuries in tissues of mice with LPS-induced endotoxemia. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, S129-S138.	0.4	7
133	Stretching DNA origami: effect of nicks and Holliday junctions on the axial stiffness. <i>Nucleic Acids Research</i> , 2020, 48, 12407-12414.	6.5	7
134	Magnetic manipulation of actin orientation, polymerization, and gliding on myosin using superparamagnetic iron oxide particles. <i>Nanotechnology</i> , 2011, 22, 065101.	1.3	6
135	Preparation of poly(sebacic anhydride) and polylactic acid pills used as drug carrier for levofloxacin controlled release. <i>Journal of Polymer Engineering</i> , 2013, 33, 659-664.	0.6	6
136	Cellulose/soy protein isolate composite membranes: Evaluations of in vitro cytocompatibility with Schwann cells and in vivo toxicity to animals. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 57-64.	0.4	6
137	Mechanical Characterization of hiPSC-Derived Cardiac Tissues for Quality Control. <i>Advanced Biology</i> , 2018, 2, 1800251.	3.0	6
138	Cell-Cell Adhesion and Myosin Activity Regulate Cortical Actin Assembly in Mammary Gland Epithelium on Concaved Surface. <i>Cells</i> , 2019, 8, 813.	1.8	6
139	Structure, physical properties, hemocompatibility and cytocompatibility of starch/zein composites. <i>Bio-Medical Materials and Engineering</i> , 2015, 25, 47-55.	0.4	5
140	Soy protein-modified waterborne polyurethane biocomposites with improved functionality. <i>RSC Advances</i> , 2016, 6, 12837-12849.	1.7	5
141	Hydroxypropyl Chitosan/Soy Protein Isolate Conduits Promote Peripheral Nerve Regeneration. <i>Tissue Engineering - Part A</i> , 2022, 28, 225-238.	1.6	5
142	Secretome of Mesenchymal Stem Cells from Consecutive Hypoxic Cultures Promotes Resolution of Lung Inflammation by Reprogramming Anti-Inflammatory Macrophages. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4333.	1.8	5
143	3D-printed magnetic tweezers for dorsal traction force measurement. <i>BioTechniques</i> , 2018, 65, 347-349.	0.8	4
144	Parametric comparison between sparsity-based and deep learning-based image reconstruction of super-resolution fluorescence microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 5246.	1.5	4

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145	IL-17F depletion accelerates chitosan conduit guided peripheral nerve regeneration. Acta Neuropathologica Communications, 2021, 9, 125.	2.4	4
146	Preparation and properties of water-resistant soy dreg/benzyl konjac glucomannan composite plastics. Journal of Applied Polymer Science, 2004, 91, 2061-2061.	1.3	3
147	Hydrogels: Strong and Rapidly Self-Healing Hydrogels: Potential Hemostatic Materials (Adv.) Tj ETQq1 1 0.784314 ggBT /Overlock 10	3.9	3
148	Dynamic adhesion characterization of cancer cells under blood flow-mimetic conditions: effects of cell shape and orientation on drag force. Microfluidics and Nanofluidics, 2018, 22, 1.	1.0	3
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