

# H-Y Yu

## List of Publications by Year in descending order

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165  
papers

8,504  
citations

36303

51  
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56724

83  
g-index

171  
all docs

171  
docs citations

171  
times ranked

10544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile extraction of thermally stable cellulose nanocrystals with a high yield of 93% through hydrochloric acid hydrolysis under hydrothermal conditions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3938.	10.3	391
2	Porous polycaprolactone scaffold for cardiac tissue engineering fabricated by selective laser sintering. <i>Acta Biomaterialia</i> , 2010, 6, 2028-2034.	8.3	310
3	Allosteric Activation of Functionally Asymmetric RAF Kinase Dimers. <i>Cell</i> , 2013, 154, 1036-1046.	28.9	236
4	Arhgap24 inactivates Rac1 in mouse podocytes, and a mutant form is associated with familial focal segmental glomerulosclerosis. <i>Journal of Clinical Investigation</i> , 2011, 121, 4127-4137.	8.2	234
5	New Approach for Single-Step Extraction of Carboxylated Cellulose Nanocrystals for Their Use As Adsorbents and Flocculants. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2632-2643.	6.7	222
6	From Cellulose Nanospheres, Nanorods to Nanofibers: Various Aspect Ratio Induced Nucleation/Reinforcing Effects on Polylactic Acid for Robust-Barrier Food Packaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 43920-43938.	8.0	170
7	Remifentanyl tolerance and hyperalgesia: short-term gain, long-term pain?. <i>Anaesthesia</i> , 2016, 71, 1347-1362.	3.8	167
8	Micropatterned matrix directs differentiation of human mesenchymal stem cells towards myocardial lineage. <i>Experimental Cell Research</i> , 2010, 316, 1159-1168.	2.6	148
9	Constructing stimuli-free self-healing, robust and ultrasensitive biocompatible hydrogel sensors with conductive cellulose nanocrystals. <i>Chemical Engineering Journal</i> , 2020, 398, 125547.	12.7	148
10	Accelerated apoptosis in the Timp-3-deficient mammary gland. <i>Journal of Clinical Investigation</i> , 2001, 108, 831-841.	8.2	142
11	Importance of heterotrophic nitrification and dissimilatory nitrate reduction to ammonium in a cropland soil: Evidences from a 15N tracing study to literature synthesis. <i>Soil Biology and Biochemistry</i> , 2015, 91, 65-75.	8.8	135
12	High Aspect Ratio Carboxylated Cellulose Nanofibers Cross-linked to Robust Aerogels for Superabsorption Flocculants: Paving Way from Nanoscale to Macroscale. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20755-20766.	8.0	131
13	A facile one-pot route for preparing cellulose nanocrystal/zinc oxide nanohybrids with high antibacterial and photocatalytic activity. <i>Cellulose</i> , 2015, 22, 261-273.	4.9	126
14	Size influences the cytotoxicity of poly (lactic-co-glycolic acid) (PLGA) and titanium dioxide (TiO <sub>2</sub> ) nanoparticles. <i>Archives of Toxicology</i> , 2013, 87, 1075-1086.	4.2	121
15	Supramolecular Self-Assembly of 3D Conductive Cellulose Nanofiber Aerogels for Flexible Supercapacitors and Ultrasensitive Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24435-24446.	8.0	120
16	Simultaneous improvement of mechanical properties and thermal stability of bacterial polyester by cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2012, 89, 971-978.	10.2	119
17	Mutation that blocks ATP binding creates a pseudokinase stabilizing the scaffolding function of kinase suppressor of Ras, CRAF and BRAF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6067-6072.	7.1	116
18	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. <i>Chemical Engineering Journal</i> , 2021, 417, 129237.	12.7	116

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19	Comparison of the reinforcing effects for cellulose nanocrystals obtained by sulfuric and hydrochloric acid hydrolysis on the mechanical and thermal properties of bacterial polyester. <i>Composites Science and Technology</i> , 2013, 87, 22-28.	7.8	113
20	Fully biodegradable food packaging materials based on functionalized cellulose nanocrystals/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposites. <i>RSC Advances</i> , 2014, 4, 59792-59802.	3.6	109
21	Rac1 Activation in Podocytes Induces Rapid Foot Process Effacement and Proteinuria. <i>Molecular and Cellular Biology</i> , 2013, 33, 4755-4764.	2.3	107
22	Reinforcement of biodegradable poly(3-hydroxybutyrate-co-3-hydroxyvalerate) with cellulose nanocrystal/silver nanohybrids as bifunctional nanofillers. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8479-8489.	5.8	103
23	Reinforcement of transparent poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by incorporation of functionalized carbon nanotubes as a novel bionanocomposite for food packaging. <i>Composites Science and Technology</i> , 2014, 94, 96-104.	7.8	103
24	Mechanical behavior of human mesenchymal stem cells during adipogenic and osteogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 150-155.	2.1	98
25	Green acid-free hydrolysis of wasted pomelo peel to produce carboxylated cellulose nanofibers with super absorption/flocculation ability for environmental remediation materials. <i>Chemical Engineering Journal</i> , 2020, 395, 125070.	12.7	97
26	Simple Process To Produce High-Yield Cellulose Nanocrystals Using Recyclable Citric/Hydrochloric Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4912-4923.	6.7	96
27	Cellular behavior of human mesenchymal stem cells cultured on single-walled carbon nanotube film. <i>Carbon</i> , 2010, 48, 1095-1104.	10.3	94
28	Cellulose nanocrystals as green fillers to improve crystallization and hydrophilic property of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Progress in Natural Science: Materials International</i> , 2011, 21, 478-484.	4.4	93
29	Linking organic carbon accumulation to microbial community dynamics in a sandy loam soil: result of 20 years compost and inorganic fertilizers repeated application experiment. <i>Biology and Fertility of Soils</i> , 2015, 51, 137-150.	4.3	93
30	Size of TiO <sub>2</sub> nanoparticles influences their phototoxicity: an in vitro investigation. <i>Archives of Toxicology</i> , 2013, 87, 99-109.	4.2	87
31	Green Nanocomposites Based on Functionalized Cellulose Nanocrystals: A Study on the Relationship between Interfacial Interaction and Property Enhancement. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 875-886.	6.7	87
32	Natural Biodegradable Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Nanocomposites with Multifunctional Cellulose Nanocrystals/Graphene Oxide Hybrids for High-Performance Food Packaging. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10954-10967.	5.2	85
33	Self-Healable Conductive Nanocellulose Nanocomposites for Biocompatible Electronic Skin Sensor Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44642-44651.	8.0	84
34	Electrospun poly(3-hydroxybutyrate-co-3-hydroxy-valerate)/cellulose reinforced nanofibrous membranes with ZnO nanocrystals for antibacterial wound dressings. <i>Cellulose</i> , 2017, 24, 2925-2938.	4.9	81
35	Sheet-like Cellulose Nanocrystal-ZnO Nanohybrids as Multifunctional Reinforcing Agents in Biopolyester Composite Nanofibers with Ultrahigh UV-Shielding and Antibacterial Performances. <i>ACS Applied Bio Materials</i> , 2018, 1, 714-727.	4.6	79
36	Green one-step synthesis of ZnO/cellulose nanocrystal hybrids with modulated morphologies and superfast absorption of cationic dyes. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 51-62.	7.5	78

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37	Thickness sensing of hMSCs on collagen gel directs stem cell fate. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 287-292.	2.1	74
38	Nitrous oxide emissions from cultivated black soil: A case study in Northeast China and global estimates using empirical model. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1311-1326.	4.9	71
39	Multibranch Strategy To Decorate Carboxyl Groups on Cellulose Nanocrystals To Prepare Adsorbent/Flocculants and Pickering Emulsions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6969-6980.	6.7	69
40	Facile and Green Synthesis of Carboxylated Cellulose Nanocrystals as Efficient Adsorbents in Wastewater Treatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18067-18075.	6.7	65
41	Smart nonwoven fabric with reversibly dual-stimuli responsive wettability for intelligent oil-water separation and pollutants removal. <i>Journal of Hazardous Materials</i> , 2020, 383, 121123.	12.4	65
42	Multiscale Topological Guidance for Cell Alignment via Direct Laser Writing on Biodegradable Polymer. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1011-1021.	2.1	64
43	Fabrication of multifunctional cellulose nanocrystals/poly(lactic acid) nanocomposites with silver nanoparticles by spraying method. <i>Carbohydrate Polymers</i> , 2016, 140, 209-219.	10.2	64
44	The psychological burden experienced by Hong Kong midlife women during the SARS epidemic. <i>Stress and Health</i> , 2005, 21, 177-184.	2.6	63
45	Surface grafting of cellulose nanocrystals with poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Carbohydrate Polymers</i> , 2014, 101, 471-478.	10.2	62
46	One-step extraction and functionalization of cellulose nanospheres from lyocell fibers with cellulose II crystal structure. <i>Cellulose</i> , 2015, 22, 3773-3788.	4.9	59
47	In vitro degradation and possible hydrolytic mechanism of PHBV nanocomposites by incorporating cellulose nanocrystal-ZnO nanohybrids. <i>Carbohydrate Polymers</i> , 2017, 176, 38-49.	10.2	58
48	Influence of 20-Year Organic and Inorganic Fertilization on Organic Carbon Accumulation and Microbial Community Structure of Aggregates in an Intensively Cultivated Sandy Loam Soil. <i>PLoS ONE</i> , 2014, 9, e92733.	2.5	57
49	Enhancing long-term biodegradability and UV-shielding performances of transparent polylactic acid nanocomposite films by adding cellulose nanocrystal-zinc oxide hybrids. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 893-905.	7.5	55
50	Thermo and light-responsive phase change nanofibers with high energy storage efficiency for energy storage and thermally regulated on/off drug release devices. <i>Chemical Engineering Journal</i> , 2019, 375, 121979.	12.7	54
51	Clinical Features, Polysomnography and Outcome in Patients with Hypnic Headache. <i>Cephalalgia</i> , 2008, 28, 209-215.	3.9	52
52	Bio-Inspired Micropatterned Platform to Steer Stem Cell Differentiation. <i>Small</i> , 2011, 7, 1416-1421.	10.0	52
53	Polylactic acid nanocomposite films with spherical nanocelluloses as efficient nucleation agents: effects on crystallization, mechanical and thermal properties. <i>RSC Advances</i> , 2016, 6, 46008-46018.	3.6	52
54	Highly Efficient and Superfast Cellulose Dissolution by Green Chloride Salts and Its Dissolution Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18446-18454.	6.7	51

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55	Achieving Long-Term Sustained Drug Delivery for Electrospun Biopolyester Nanofibrous Membranes by Introducing Cellulose Nanocrystals. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1666-1676.	5.2	50
56	Nitrous oxide emission and nitrogen use efficiency in response to nitrophosphate, N-(n-butyl) thiophosphoric triamide and dicyandiamide of a wheat cultivated soil under sub-humid monsoon conditions. <i>Biogeosciences</i> , 2015, 12, 803-815.	3.3	49
57	Reinforcing properties of bacterial polyester with different cellulose nanocrystals via modulating hydrogen bonds. <i>Composites Science and Technology</i> , 2016, 136, 53-60.	7.8	49
58	Green acid-free one-step hydrothermal ammonium persulfate oxidation of viscose fiber wastes to obtain carboxylated spherical cellulose nanocrystals for oil/water Pickering emulsion. <i>Cellulose</i> , 2018, 25, 5139-5155.	4.9	49
59	Biomimicking the structure of silk fibers via cellulose nanocrystal as $\beta$ -sheet crystallite. <i>RSC Advances</i> , 2014, 4, 14304-14313.	3.6	48
60	Flower-like zinc oxide nanorod clusters grown on spherical cellulose nanocrystals via simple chemical precipitation method. <i>Cellulose</i> , 2016, 23, 1871-1884.	4.9	48
61	A comprehensive investigation on cellulose nanocrystals with different crystal structures from cotton via an efficient route. <i>Carbohydrate Polymers</i> , 2022, 276, 118766.	10.2	48
62	Effect of silver contents in cellulose nanocrystal/silver nanohybrids on PHBV crystallization and property improvements. <i>Carbohydrate Polymers</i> , 2017, 173, 7-16.	10.2	47
63	Flocculation Performance of Hyperbranched Polyethylenimine-Grafted Cellulose in Wastewater Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1592-1601.	6.7	47
64	Novel design of Fe-Cu alloy coated cellulose nanocrystals with strong antibacterial ability and efficient Pb <sup>2+</sup> removal. <i>Carbohydrate Polymers</i> , 2020, 234, 115889.	10.2	46
65	One-pot green fabrication and antibacterial activity of thermally stable corn-like CNC/Ag nanocomposites. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	45
66	Superfast Adsorption and Disinfection Cryogels Decorated with Cellulose Nanocrystal/Zinc Oxide Nanorod Clusters for Water-Purifying Microdevices. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6776-6785.	6.7	45
67	Chemical cross-linked polyvinyl alcohol/cellulose nanocrystal composite films with high structural stability by spraying Fenton reagent as initiator. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 171-178.	7.5	44
68	Double stimuli-responsive cellulose nanocrystals reinforced electrospun PHBV composites membrane for intelligent drug release. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 330-339.	7.5	44
69	Cellulose nanocrystals/polyethylene glycol as bifunctional reinforcing/compatibilizing agents in poly(lactic acid) nanofibers for controlling long-term in vitro drug release. <i>Cellulose</i> , 2017, 24, 4461-4477.	4.9	43
70	Fabricating robust soft-hard network of self-healable polyvinyl alcohol composite films with functionalized cellulose nanocrystals. <i>Composites Science and Technology</i> , 2020, 194, 108165.	7.8	43
71	Confined Chemical Transitions for Direct Extraction of Conductive Cellulose Nanofibers with Graphitized Carbon Shell at Low Temperature and Pressure. <i>Journal of the American Chemical Society</i> , 2021, 143, 11620-11630.	13.7	43
72	A novel and simple microcontact printing technique for tacky, soft substrates and/or complex surfaces in soft tissue engineering. <i>Acta Biomaterialia</i> , 2012, 8, 1267-1272.	8.3	42

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73	Insights into the Role of Focal Adhesion Modulation in Myogenic Differentiation of Human Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 136-147.	2.1	42
74	Cellulose nanocrystals as organic nanofillers for transparent polycarbonate films. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	41
75	Bifunctional Reinforcement of Green Biopolymer Packaging Nanocomposites with Natural Cellulose Nanocrystal-Rosin Hybrids. <i>ACS Applied Bio Materials</i> , 2020, 3, 1944-1954.	4.6	41
76	A Bio-Inspired Platform to Modulate Myogenic Differentiation of Human Mesenchymal Stem Cells Through Focal Adhesion Regulation. <i>Advanced Healthcare Materials</i> , 2013, 2, 442-449.	7.6	40
77	Robust natural biomaterial based flexible artificial skin sensor with high transparency and multiple signals capture. <i>Chemical Engineering Journal</i> , 2020, 394, 124855.	12.7	40
78	Novel ultrasonic-coating technology to design robust, highly sensitive and wearable textile sensors with conductive nanocelluloses. <i>Chemical Engineering Journal</i> , 2022, 428, 131289.	12.7	40
79	Functional Morphometric Analysis in Cellular Behaviors: Shape and Size Matter. <i>Advanced Healthcare Materials</i> , 2013, 2, 1188-1197.	7.6	39
80	Listeners' Attitudes Toward Children With Voice Problems. <i>Journal of Speech, Language, and Hearing Research</i> , 2013, 56, 1409-1415.	1.6	39
81	Designing Highly Luminescent Cellulose Nanocrystals with Modulated Morphology for Multifunctional Bioimaging Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48192-48201.	8.0	39
82	Crystallization behavior and hydrophobic properties of biodegradable ethyl cellulose-g-poly(3-hydroxybutyrate-co-3-hydroxyvalerate): The influence of the side-chain length and grafting density. <i>Carbohydrate Polymers</i> , 2012, 87, 2447-2454.	10.2	38
83	Adjuvant Therapy for the Reduction of Postoperative Intra-abdominal Adhesion Formation. <i>Asian Journal of Surgery</i> , 2009, 32, 180-186.	0.4	35
84	Silylation of cellulose nanocrystals and their reinforcement of commercial silicone rubber. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	35
85	Comprehensive Insight into Degradation Mechanism of Green Biopolyester Nanocomposites Using Functionalized Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15537-15547.	6.7	35
86	Simple Synthesis of Flower-like Manganese Dioxide Nanostructures on Cellulose Nanocrystals for High-Performance Supercapacitors and Wearable Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11823-11831.	6.7	35
87	Shape-Stabilized Cellulose Nanocrystal-Based Phase-Change Materials for Energy Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 1741-1748.	5.0	35
88	An event-related potential study of the concreteness effect between Chinese nouns and verbs. <i>Brain Research</i> , 2009, 1253, 149-160.	2.2	34
89	Green synthesis of sheet-like cellulose nanocrystal-zinc oxide nanohybrids with multifunctional performance through one-step hydrothermal method. <i>Cellulose</i> , 2018, 25, 6433-6446.	4.9	34
90	A freestanding nitrogen-doped carbon nanofiber/MoS <sub>2</sub> nanoflowers with expanded interlayer for long cycle-life lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152835.	5.5	34

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91	“Soft-rigid” synergistic reinforcement of PHBV composites with functionalized cellulose nanocrystals and amorphous recycled polycarbonate. <i>Composites Part B: Engineering</i> , 2021, 206, 108542.	12.0	34
92	Versatile sensing devices for self-driven designated therapy based on robust breathable composite films. <i>Nano Research</i> , 2022, 15, 1027-1038.	10.4	33
93	Novel approach to extract thermally stable cellulose nanospheres with high yield. <i>Materials Letters</i> , 2014, 131, 12-15.	2.6	32
94	Use of electrospinning to directly fabricate three-dimensional nanofiber stacks of cellulose acetate under high relative humidity condition. <i>Cellulose</i> , 2017, 24, 219-229.	4.9	31
95	Cellulose nanofiber derived carbon aerogel with 3D multiscale pore architecture for high-performance supercapacitors. <i>Nanoscale</i> , 2021, 13, 17837-17845.	5.6	31
96	Sorafenib Neoadjuvant Therapy in the Treatment of High Risk Renal Cell Carcinoma. <i>PLoS ONE</i> , 2015, 10, e0115896.	2.5	30
97	Cyclic tensile loading regulates human mesenchymal stem cell differentiation into neuron-like phenotype. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, s68-s79.	2.7	28
98	Interfacial compatible poly(ethylene glycol) chains modified cellulose nanosphere as bifunctional reinforcements in green polylactic acid for food packagings. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 583-593.	5.3	28
99	Electrospun Polyethylene Glycol/Polyvinyl Alcohol Composite Nanofibrous Membranes as Shape-Stabilized Solid “Solid Phase Change Materials. <i>Advanced Fiber Materials</i> , 2020, 2, 167-177.	16.1	27
100	Multifunctional Biosensors Made with Self-Healable Silk Fibroin Imitating Skin. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 33371-33382.	8.0	27
101	Goal orientation and employee creativity: The mediating role of creative role identity. <i>Journal of Management and Organization</i> , 2015, 21, 82-97.	3.0	26
102	Ultrasensitive and robust self-healing composite films with reinforcement of multi-branched cellulose nanocrystals. <i>Composites Science and Technology</i> , 2020, 198, 108300.	7.8	26
103	A sustainable biomemristive memory device based on natural collagen. <i>Materials Today Chemistry</i> , 2019, 13, 18-24.	3.5	25
104	Continuous Meter-Scale Wet-Spinning of Cornlike Composite Fibers for Eco-Friendly Multifunctional Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40953-40963.	8.0	25
105	Highly sensitive self-healable strain biosensors based on robust transparent conductive nanocellulose nanocomposites: Relationship between percolated network and sensing mechanism. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113467.	10.1	25
106	Induction of Myogenic Differentiation of Human Mesenchymal Stem Cells Cultured on Notch Agonist (Jagged-1) Modified Biodegradable Scaffold Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1652-1661.	8.0	24
107	Nanocellulose-based functional materials for advanced energy and sensor applications. <i>Nano Research</i> , 2022, 15, 7432-7452.	10.4	24
108	Photodetection of basal cell carcinoma using methyl 5-aminolaevulinate-induced protoporphyrin IX based on fluorescence image analysis. <i>Clinical and Experimental Dermatology</i> , 2007, 32, 423-429.	1.3	23

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109	In ovo administration of rhIGF-1 to duck eggs affects the expression of myogenic transcription factors and muscle mass during late embryo development. <i>Journal of Applied Physiology</i> , 2011, 111, 1789-1797.	2.5	23
110	In ovo feeding of IGF-1 to ducks influences neonatal skeletal muscle hypertrophy and muscle mass growth upon satellite cell activation. <i>Journal of Cellular Physiology</i> , 2012, 227, 1465-1475.	4.1	23
111	Single-step extraction of functionalized cellulose nanocrystal and polyvinyl chloride from industrial wallpaper wastes. <i>Industrial Crops and Products</i> , 2016, 89, 66-77.	5.2	23
112	Versatile nanocellulose-based nanohybrids: A promising-new class for active packaging applications. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1915-1930.	7.5	23
113	A universal route for the simultaneous extraction and functionalization of cellulose nanocrystals from industrial and agricultural celluloses. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	22
114	Degradation mechanism of green biopolyester nanocomposites with various cellulose nanocrystal based nanohybrids. <i>Cellulose</i> , 2021, 28, 7735-7748.	4.9	22
115	An environmentally friendly and economical strategy to cyclically produce cellulose nanocrystals with high thermal stability and high yield. <i>Green Chemistry</i> , 2021, 23, 4866-4872.	9.0	21
116	Spherical and rod-like dialdehyde cellulose nanocrystals by sodium periodate oxidation: Optimization with double response surface model and templates for silver nanoparticles. <i>EXPRESS Polymer Letters</i> , 2016, 10, 965-976.	2.1	21
117	Novel strategy to interpret the degradation behaviors and mechanisms of bio- and non-degradable plastics. <i>Journal of Cleaner Production</i> , 2022, 355, 131757.	9.3	20
118	The dynamics of glucose-derived <sup>13</sup> C incorporation into aggregates of a sandy loam soil following two-decade compost or inorganic fertilizer amendments. <i>Soil and Tillage Research</i> , 2015, 148, 14-19.	5.6	19
119	Flexible, anti-damage, and non-contact sensing electronic skin implanted with MWCNT to block public pathogens contact infection. <i>Nano Research</i> , 2022, 15, 2616-2625.	10.4	19
120	Electroconductive cellulose nanocrystals " Synthesis, properties and applications: A review. <i>Carbohydrate Polymers</i> , 2022, 289, 119419.	10.2	19
121	Magnetic cellulose nanocrystals hybrids reinforced phase change fiber composites with highly thermal energy storage efficiencies. <i>Carbohydrate Polymers</i> , 2021, 254, 117481.	10.2	18
122	A Generic Micropatterning Platform to Direct Human Mesenchymal Stem Cells from Different Origins Towards Myogenic Differentiation. <i>Macromolecular Bioscience</i> , 2013, 13, 799-807.	4.1	17
123	Comparison of covalent and noncovalent interactions of carbon nanotubes on the crystallization behavior and thermal properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Journal of Applied Polymer Science</i> , 2013, 130, 4299-4307.	2.6	17
124	Facile fabrication of controllable zinc oxide nanorod clusters on polyacrylonitrile nanofibers via repeatedly alternating immersion method. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	17
125	Sensitive, Stretchable, and Sustainable Conductive Cellulose Nanocrystal Composite for Human Motion Detection. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17351-17361.	6.7	16
126	Chlorhexidine for Irrigation of Vas: a Clinical Trial and the Study of Viability of Non-Motile Sperms in Post-Vasectomy Patients with Trypan Blue Uptake. <i>British Journal of Urology</i> , 1976, 48, 371-375.	0.1	13



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127	Characterization of in vitro cultured myoblasts isolated from duck ( <i>Anas platyrhynchos</i> ) embryo. <i>Cytotechnology</i> , 2011, 63, 399-406.	1.6	13
128	Temporal responses of microorganisms and native organic carbon mineralization to <sup>13</sup> C-glucose addition in a sandy loam soil with long-term fertilization. <i>European Journal of Soil Biology</i> , 2016, 74, 16-22.	3.2	13
129	Comparison of international normalized ratio audit parameters in patients enrolled in GARFIELD and treated with vitamin K antagonists. <i>British Journal of Haematology</i> , 2016, 174, 610-623.	2.5	13
130	Supermagnetic cellulose nanocrystal hybrids reinforced PHBV nanocomposites with high sensitivity to intelligently detect water vapor. <i>Industrial Crops and Products</i> , 2020, 154, 112704.	5.2	13
131	Interface Growth of PANI-ZnO Nanohybrids on a Self-Formed Grapefruit Peel Aerogel to Construct a Quick Self-Restored Gas Sensor. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6573-6583.	6.7	13
132	Injection of duck recombinant follistatin fusion protein into duck muscle tissues stimulates satellite cell proliferation and muscle fiber hypertrophy. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1255-1263.	3.6	12
133	Tailoring Commercial Cellulose Membranes into Janus Conductive Electronic Skin via Diffusion-Controlled Polymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17458-17465.	6.7	12
134	Mechanical Properties and Corrosion Resistance of Vulcanized Silicone Rubber after Exposure to Artificial Urine. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 962-974.	1.0	11
135	Investigating the Spatial Distribution of Integrin $\alpha_1$ in Patterned Human Mesenchymal Stem Cells Using Super-Resolution Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15686-15696.	8.0	10
136	Construction of Nanocellulose Aerogels with Mechanical Flexibility and pH-Responsive Properties via a Cross-Linker Structure Design Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9951-9960.	6.7	9
137	Chain-ring covalently interconnected cellulose nanofiber/MWCNT aerogel for supercapacitors and sensors. <i>Nanoscale</i> , 2022, 14, 5163-5173.	5.6	8
138	Freezing-induced interfacial growth of polypyrrole layers on hierarchical carbon aerogels for robust ultrasensitive pressure sensors. <i>Industrial Crops and Products</i> , 2022, 186, 115215.	5.2	8
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