

Feng Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/990253/publications.pdf>

Version: 2024-02-01

263
papers

14,991
citations

13854

67
h-index

24232

110
g-index

272
all docs

272
docs citations

272
times ranked

18880
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in paper-based point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2014, 54, 585-597.	5.3	826
2	Functional and Biomimetic Materials for Engineering of the Three-Dimensional Cell Microenvironment. <i>Chemical Reviews</i> , 2017, 117, 12764-12850.	23.0	582
3	4D Bioprinting for Biomedical Applications. <i>Trends in Biotechnology</i> , 2016, 34, 746-756.	4.9	529
4	Novel Biocompatible Polysaccharide-Based Self-Healing Hydrogel. <i>Advanced Functional Materials</i> , 2015, 25, 1352-1359.	7.8	526
5	Upconversion nanoparticles based FRET aptasensor for rapid and ultrasensitive bacteria detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 525-533.	5.3	263
6	Household Fluorescent Lateral Flow Strip Platform for Sensitive and Quantitative Prognosis of Heart Failure Using Dual-Color Upconversion Nanoparticles. <i>ACS Nano</i> , 2017, 11, 6261-6270.	7.3	262
7	An integrated paper-based sample-to-answer biosensor for nucleic acid testing at the point of care. <i>Lab on A Chip</i> , 2016, 16, 611-621.	3.1	247
8	Recent advances of controlled drug delivery using microfluidic platforms. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 3-28.	6.6	241
9	Engineering cell alignment in vitro. <i>Biotechnology Advances</i> , 2014, 32, 347-365.	6.0	220
10	Three-Dimensional Magnetic Assembly of Microscale Hydrogels. <i>Advanced Materials</i> , 2011, 23, 4254-4260.	11.1	213
11	Advances in digital polymerase chain reaction (dPCR) and its emerging biomedical applications. <i>Biosensors and Bioelectronics</i> , 2017, 90, 459-474.	5.3	209
12	Three-dimensional quick response code based on inkjet printing of upconversion fluorescent nanoparticles for drug anti-counterfeiting. <i>Nanoscale</i> , 2016, 8, 10096-10104.	2.8	205
13	Bioactuators based on stimulus-responsive hydrogels and their emerging biomedical applications. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	202
14	A fully disposable and integrated paper-based device for nucleic acid extraction, amplification and detection. <i>Lab on A Chip</i> , 2017, 17, 1270-1279.	3.1	169
15	3D Spatiotemporal Mechanical Microenvironment: A Hydrogel-Based Platform for Guiding Stem Cell Fate. <i>Advanced Materials</i> , 2018, 30, e1705911.	11.1	162
16	Recent Advances in Electrospun Nanofibrous Scaffolds for Cardiac Tissue Engineering. <i>Advanced Functional Materials</i> , 2015, 25, 5726-5738.	7.8	159
17	Engineering a Brain Cancer Chip for High-throughput Drug Screening. <i>Scientific Reports</i> , 2016, 6, 25062.	1.6	157
18	The Role of Nanoparticle Design in Determining Analytical Performance of Lateral Flow Immunoassays. <i>Nano Letters</i> , 2017, 17, 7207-7212.	4.5	149

#	ARTICLE	IF	CITATIONS
19	Biofriendly, Stretchable, and Reusable Hydrogel Electronics as Wearable Force Sensors. <i>Small</i> , 2018, 14, e1801711.	5.2	144
20	High-yield synthesis of strong photoluminescent N-doped carbon nanodots derived from hydrosoluble chitosan for mercury ion sensing via smartphone APP. <i>Biosensors and Bioelectronics</i> , 2016, 79, 1-8.	5.3	143
21	Hydrosoluble, UV-crosslinkable and injectable chitosan for patterned cell-laden microgel and rapid transdermal curing hydrogel in vivo. <i>Acta Biomaterialia</i> , 2015, 22, 59-69.	4.1	139
22	Paper-based point-of-care immunoassays: Recent advances and emerging trends. <i>Biotechnology Advances</i> , 2020, 39, 107442.	6.0	139
23	A Hydrogel Microneedle Patch for Point-of-Care Testing Based on Skin Interstitial Fluid. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901201.	3.9	138
24	Exosomes secreted by stem cells from human exfoliated deciduous teeth contribute to functional recovery after traumatic brain injury by shifting microglia M1/M2 polarization in rats. <i>Stem Cell Research and Therapy</i> , 2017, 8, 198.	2.4	137
25	Portable microfluidic and smartphone-based devices for monitoring of cardiovascular diseases at the point of care. <i>Biotechnology Advances</i> , 2016, 34, 305-320.	6.0	128
26	Paper: A promising material for human-friendly functional wearable electronics. <i>Materials Science and Engineering Reports</i> , 2017, 112, 1-22.	14.8	128
27	The assembly of cell-encapsulating microscale hydrogels using acoustic waves. <i>Biomaterials</i> , 2011, 32, 7847-7855.	5.7	123
28	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020, 12, 381-390.	6.6	122
29	Low-cost bioanalysis on paper-based and its hybrid microfluidic platforms. <i>Talanta</i> , 2015, 145, 43-54.	2.9	121
30	Recent advances in microfluidic platforms for single-cell analysis in cancer biology, diagnosis and therapy. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 117, 13-26.	5.8	121
31	Vitrification and levitation of a liquid droplet on liquid nitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4596-4600.	3.3	120
32	Paper-based sample-to-answer molecular diagnostic platform for point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2015, 74, 427-439.	5.3	120
33	Magnetically Actuated Droplet Manipulation and Its Potential Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1155-1166.	4.0	119
34	Liquid Bandage Harvests Robust Adhesive, Hemostatic, and Antibacterial Performances as a First-Aid Tissue Adhesive. <i>Advanced Functional Materials</i> , 2020, 30, 2001820.	7.8	118
35	Lateral flow aptamer assay integrated smartphone-based portable device for simultaneous detection of multiple targets using upconversion nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 48-56.	4.0	112
36	Advances in fabricating double-emulsion droplets and their biomedical applications. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 1071-1090.	1.0	110

#	ARTICLE	IF	CITATIONS
37	Multiplexed instrument-free meningitis diagnosis on a polymer/paper hybrid microfluidic biochip. <i>Biosensors and Bioelectronics</i> , 2017, 87, 865-873.	5.3	110
38	Paper-based cell culture platform and its emerging biomedical applications. <i>Materials Today</i> , 2017, 20, 32-44.	8.3	105
39	Recent Advances in 4D Bioprinting. <i>Biotechnology Journal</i> , 2020, 15, e1900086.	1.8	105
40	A portable and universal upconversion nanoparticle-based lateral flow assay platform for point-of-care testing. <i>Talanta</i> , 2019, 201, 126-133.	2.9	104
41	Engineering the Surface of Smart Nanocarriers Using a pH/Thermal/GSH-Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo. <i>Advanced Materials</i> , 2017, 29, 1702311.	11.1	102
42	Multiplexed Instrument-Free Bar-Chart SpinChip Integrated with Nanoparticle-Mediated Magnetic Aptasensors for Visual Quantitative Detection of Multiple Pathogens. <i>Analytical Chemistry</i> , 2018, 90, 9888-9896.	3.2	101
43	Stem cell culture and differentiation in microfluidic devices toward organ-on-a-chip. <i>Future Science OA</i> , 2017, 3, FSO187.	0.9	97
44	Ultrafast Photonic PCR Based on Photothermal Nanomaterials. <i>Trends in Biotechnology</i> , 2020, 38, 637-649.	4.9	96
45	Polydimethylsiloxane-Paper Hybrid Lateral Flow Assay for Highly Sensitive Point-of-Care Nucleic Acid Testing. <i>Analytical Chemistry</i> , 2016, 88, 6254-6264.	3.2	93
46	Electrospun three-dimensional aligned nanofibrous scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2018, 92, 995-1005.	3.8	91
47	Visual in vivo degradation of injectable hydrogel by real-time and non-invasive tracking using carbon nanodots as fluorescent indicator. <i>Biomaterials</i> , 2017, 145, 192-206.	5.7	89
48	Reduced graphene oxide functionalized nanofibrous silk fibroin matrices for engineering excitable tissues. <i>NPG Asia Materials</i> , 2018, 10, 982-994.	3.8	88
49	Recent advances in siRNA delivery for cancer therapy using smart nanocarriers. <i>Drug Discovery Today</i> , 2018, 23, 900-911.	3.2	87
50	Tough Magnetic Chitosan Hydrogel Nanocomposites for Remotely Stimulated Drug Release. <i>Biomacromolecules</i> , 2018, 19, 3351-3360.	2.6	87
51	Near-infrared light-regulated cancer theranostic nanoplatfom based on aggregation-induced emission luminogen encapsulated upconversion nanoparticles. <i>Theranostics</i> , 2019, 9, 246-264.	4.6	85
52	Recent Advances in Penicillin-Based Writing Electronics and their Emerging Applications. <i>Advanced Functional Materials</i> , 2016, 26, 165-180.	7.8	84
53	Fully integrated microfluidic devices for qualitative, quantitative and digital nucleic acids testing at point of care. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112952.	5.3	84
54	A review on advances in methods for modification of paper supports for use in point-of-care testing. <i>Mikrochimica Acta</i> , 2019, 186, 521.	2.5	82

#	ARTICLE	IF	CITATIONS
55	Graphene-enabled wearable sensors for healthcare monitoring. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113777.	5.3	82
56	Phenotypic and Functional Characterization of Long-Term Cryopreserved Human Adipose-derived Stem Cells. <i>Scientific Reports</i> , 2015, 5, 9596.	1.6	81
57	An integrated lateral flow assay for effective DNA amplification and detection at the point of care. <i>Analyst, The</i> , 2016, 141, 2930-2939.	1.7	80
58	Lateral Flow Assay Based on Paper-based Hydrogel Hybrid Material for Sensitive Point-of-Care Detection of Dengue Virus. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600920.	3.9	80
59	Viscoelastic Cell Microenvironment: Hydrogel-based Strategy for Recapitulating Dynamic ECM Mechanics. <i>Advanced Functional Materials</i> , 2021, 31, 2100848.	7.8	80
60	Improved sensitivity of lateral flow assay using paper-based sample concentration technique. <i>Talanta</i> , 2016, 152, 269-276.	2.9	79
61	Advances in paper-based sample pretreatment for point-of-care testing. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 411-428.	5.1	76
62	Perspective: Fabrication of integrated organ-on-a-chip via bioprinting. <i>Biomechanics</i> , 2017, 11, 031301.	1.2	76
63	Dextran-based hydrogel formed by thiol-Michael addition reaction for 3D cell encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 140-148.	2.5	75
64	Sensitive biomolecule detection in lateral flow assay with a portable temperature-humidity control device. <i>Biosensors and Bioelectronics</i> , 2016, 79, 98-107.	5.3	75
65	Pen-on-paper strategy for point-of-care testing: Rapid prototyping of fully written microfluidic biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 98, 478-485.	5.3	75
66	Materials with Tunable Optical Properties for Wearable Epidermal Sensing in Health Monitoring. <i>Advanced Materials</i> , 2022, 34, e2109055.	11.1	74
67	Improved Analytical Sensitivity of Lateral Flow Assay using Sponge for HBV Nucleic Acid Detection. <i>Scientific Reports</i> , 2017, 7, 1360.	1.6	73
68	Advances and challenges of fully integrated paper-based point-of-care nucleic acid testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 37-50.	5.8	72
69	Theranostics of Triple-Negative Breast Cancer Based on Conjugated Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10634-10646.	4.0	72
70	Spatially modulated stiffness on hydrogels for soft and stretchable integrated electronics. <i>Materials Horizons</i> , 2020, 7, 203-213.	6.4	70
71	Environmentally Compatible Wearable Electronics Based on Ionically Conductive Organohydrogels for Health Monitoring with Thermal Compatibility, Anti-Dehydration, and Underwater Adhesion. <i>Small</i> , 2021, 17, e2101151.	5.2	70
72	Nanoscale integrin cluster dynamics controls cellular mechanosensing via FAKY397 phosphorylation. <i>Science Advances</i> , 2020, 6, eaax1909.	4.7	69

#	ARTICLE	IF	CITATIONS
73	Cellular mechanosensing of the biophysical microenvironment: A review of mathematical models of biophysical regulation of cell responses. <i>Physics of Life Reviews</i> , 2017, 22-23, 88-119.	1.5	67
74	Smart Glove Integrated with Tunable MWNTs/PDMS Fibers Made of a One-Step Extrusion Method for Finger Dexterity, Gesture, and Temperature Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23764-23773.	4.0	67
75	UV-crosslinkable and thermo-responsive chitosan hybrid hydrogel for NIR-triggered localized on-demand drug delivery. <i>Carbohydrate Polymers</i> , 2017, 174, 904-914.	5.1	66
76	A Colorimetric Dermal Tattoo Biosensor Fabricated by Microneedle Patch for Multiplexed Detection of Health-Related Biomarkers. <i>Advanced Science</i> , 2021, 8, e2103030.	5.6	65
77	Facial Layer-by-Layer Engineering of Upconversion Nanoparticles for Gene Delivery: Near-Infrared-Initiated Fluorescence Resonance Energy Transfer Tracking and Overcoming Drug Resistance in Ovarian Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7941-7949.	4.0	64
78	Heterostructured Silk-Nanofiber-Reduced Graphene Oxide Composite Scaffold for SH-SY5Y Cell Alignment and Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39228-39237.	4.0	64
79	Recent innovations in cost-effective polymer and paper hybrid microfluidic devices. <i>Lab on A Chip</i> , 2021, 21, 2658-2683.	3.1	62
80	A stretchable, conformable, and biocompatible graphene strain sensor based on a structured hydrogel for clinical application. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27099-27109.	5.2	61
81	Cryopreservation of Human Mesenchymal Stem Cells for Clinical Applications: Current Methods and Challenges. <i>Biopreservation and Biobanking</i> , 2015, 13, 231-239.	0.5	60
82	Microchannel Stiffness and Confinement Jointly Induce the Mesenchymal-Amoeboid Transition of Cancer Cell Migration. <i>Nano Letters</i> , 2019, 19, 5949-5958.	4.5	60
83	Harnessing the wide-range strain sensitivity of bilayered PEDOT:PSS films for wearable health monitoring. <i>Matter</i> , 2021, 4, 2886-2901.	5.0	59
84	Mechanoregulation of cardiac myofibroblast differentiation: implications for cardiac fibrosis and therapy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H532-H542.	1.5	58
85	Eriodictyol inhibits high glucose-induced oxidative stress and inflammation in retinal ganglial cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 5644-5651.	1.2	57
86	Chinese-“Noodle”-inspired Muscle Myofiber Fabrication. <i>Advanced Functional Materials</i> , 2015, 25, 5999-6008.	7.8	56
87	In Situ Normoxia Enhances Survival and Proliferation Rate of Human Adipose Tissue-Derived Stromal Cells without Increasing the Risk of Tumourigenesis. <i>PLoS ONE</i> , 2015, 10, e0115034.	1.1	56
88	Solvent-Free Fabrication of Carbon Nanotube/Silk Fibroin Electrospun Matrices for Enhancing Cardiomyocyte Functionalities. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1630-1640.	2.6	56
89	The Arabidopsis trichome is an active mechanosensory switch. <i>Plant, Cell and Environment</i> , 2017, 40, 611-621.	2.8	54
90	Point-of-Care Periodontitis Testing: Biomarkers, Current Technologies, and Perspectives. <i>Trends in Biotechnology</i> , 2018, 36, 1127-1144.	4.9	54

#	ARTICLE	IF	CITATIONS
91	Engineering physical microenvironment for stem cell based regenerative medicine. <i>Drug Discovery Today</i> , 2014, 19, 763-773.	3.2	53
92	Spatiotemporally Controlled Photoresponsive Hydrogels: Design and Predictive Modeling from Processing through Application. <i>Advanced Functional Materials</i> , 2020, 30, 2000639.	7.8	51
93	Aligned Graphene Mesh-Supported Double Network Natural Hydrogel Conduit Loaded with Netrin-1 for Peripheral Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 112-122.	4.0	51
94	Multiple test zones for improved detection performance in lateral flow assays. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 484-488.	4.0	50
95	The potential health challenges of TiO ₂ nanomaterials. <i>Journal of Applied Toxicology</i> , 2015, 35, 1086-1101.	1.4	49
96	Magnetically actuated cell-laden microscale hydrogels for probing strain-induced cell responses in three dimensions. <i>NPG Asia Materials</i> , 2016, 8, e238-e238.	3.8	49
97	Polymeric Nitric Oxide Delivery Nanoplatfoms for Treating Cancer, Cardiovascular Diseases, and Infection. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001550.	3.9	49
98	Engineering the Cell Microenvironment Using Novel Photoresponsive Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12374-12389.	4.0	48
99	Equipment-free Quantitative Readout in Paper-based Point-of-Care Testing. <i>Small Methods</i> , 2020, 4, 1900459.	4.6	48
100	Pen-on-paper strategies for point-of-care testing of human health. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 50-64.	5.8	47
101	Paracrine Effects of Adipose-Derived Stem Cells on Matrix Stiffness-Induced Cardiac Myofibroblast Differentiation via Angiotensin II Type 1 Receptor and Smad7. <i>Scientific Reports</i> , 2016, 6, 33067.	1.6	46
102	Labeling and long-term tracking of bone marrow mesenchymal stem cells in vitro using NaYF ₄ :Yb ³⁺ ,Er ³⁺ upconversion nanoparticles. <i>Acta Biomaterialia</i> , 2016, 42, 199-208.	4.1	46
103	Paper-based device with on-chip reagent storage for rapid extraction of DNA from biological samples. <i>Mikrochimica Acta</i> , 2017, 184, 2141-2150.	2.5	45
104	A Controllable and Integrated Pump-enabled Microfluidic Chip and Its Application in Droplets Generating. <i>Scientific Reports</i> , 2017, 7, 11319.	1.6	42
105	Improved LFIA for highly sensitive detection of BNP at point-of-care. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4455-4466.	3.3	40
106	Anisotropic conductive reduced graphene oxide/silk matrices promote post-infarction myocardial function by restoring electrical integrity. <i>Acta Biomaterialia</i> , 2022, 139, 190-203.	4.1	40
107	Mechanics-driven nuclear localization of YAP can be reversed by N-cadherin ligation in mesenchymal stem cells. <i>Nature Communications</i> , 2021, 12, 6229.	5.8	40
108	Hydrogel-based methods for engineering cellular microenvironment with spatiotemporal gradients. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 1-13.	5.1	39

#	ARTICLE	IF	CITATIONS
109	Capillary blood for point-of-care testing. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017, 54, 294-308.	2.7	39
110	Simultaneous arteriole and venule segmentation with domain-specific loss function on a new public database. <i>Biomedical Optics Express</i> , 2018, 9, 3153.	1.5	39
111	Controlled Drug Delivery Using Microdevices. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 772-787.	0.9	39
112	Smartphone-Based Accurate Analysis of Retinal Vasculature towards Point-of-Care Diagnostics. <i>Scientific Reports</i> , 2016, 6, 34603.	1.6	38
113	Non-invasive tracking of hydrogel degradation using upconversion nanoparticles. <i>Acta Biomaterialia</i> , 2017, 55, 410-419.	4.1	38
114	Magnetic steering of liquid metal mobiles. <i>Soft Matter</i> , 2018, 14, 3236-3245.	1.2	37
115	Flexible Miniaturized Sensor Technologies for Long-Term Physiological Monitoring. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	35
116	Targeting the tumor biophysical microenvironment to reduce resistance to immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 186, 114319.	6.6	35
117	Coarse-grained molecular dynamics studies of the translocation mechanism of polyarginines across asymmetric membrane under tension. <i>Scientific Reports</i> , 2015, 5, 12808.	1.6	34
118	BioPen: direct writing of functional materials at the point of care. <i>Scientific Reports</i> , 2014, 4, 4872.	1.6	34
119	Capillary Origami Inspired Fabrication of Complex 3D Hydrogel Constructs. <i>Small</i> , 2016, 12, 4492-4500.	5.2	34
120	Regulation of Cell Behavior by Hydrostatic Pressure. <i>Applied Mechanics Reviews</i> , 2019, 71, 0408031-4080313.	4.5	34
121	Microstructural effects on permeability of Nitrocellulose membranes for biomedical applications. <i>Journal of Membrane Science</i> , 2020, 595, 117502.	4.1	34
122	A Portable Digital Loop-Mediated Isothermal Amplification Platform Based on Microgel Array and Hand-Held Reader. <i>ACS Sensors</i> , 2021, 6, 3564-3574.	4.0	34
123	Matrix stiffness changes affect astrocyte phenotype in an in vitro injury model. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	32
124	Ultrahigh-yield synthesis of N-doped carbon nanodots that down-regulate ROS in zebrafish. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7848-7860.	2.9	31
125	Liquid wicking behavior in paper-like materials: mathematical models and their emerging biomedical applications. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	1.0	31
126	Microfluidic Printing of Three-Dimensional Graphene Electroactive Microfibrous Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2049-2058.	4.0	31

#	ARTICLE	IF	CITATIONS
127	An approach to quantifying 3D responses of cells to extreme strain. <i>Scientific Reports</i> , 2016, 6, 19550.	1.6	30
128	An Integrated Stochastic Model of Matrix-Stiffness-Dependent Filopodial Dynamics. <i>Biophysical Journal</i> , 2016, 111, 2051-2061.	0.2	30
129	The elastic fields of a compressible liquid inclusion. <i>Extreme Mechanics Letters</i> , 2018, 22, 122-130.	2.0	30
130	Improved Resolution and Fidelity of Droplet-Based Bioprinting by Upward Ejection. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4112-4121.	2.6	30
131	Blood Banking in Living Droplets. <i>PLoS ONE</i> , 2011, 6, e17530.	1.1	30
132	Sensitivity Enhancement of Nucleic Acid Lateral Flow Assays through a Physical-Chemical Coupling Method: Dissolvable Saline Barriers. <i>ACS Sensors</i> , 2019, 4, 1691-1700.	4.0	29
133	A new method to amplify colorimetric signals of paper-based nanobiosensors for simple and sensitive pancreatic cancer biomarker detection. <i>Analyst</i> , 2020, 145, 5113-5117.	1.7	29
134	Electrohydrodynamic Rayleigh-Taylor instability in leaky dielectric fluids. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 690-704.	2.5	28
135	Matrix stiffness controls cardiac fibroblast activation through regulating YAP via AT^{1} . <i>Journal of Cellular Physiology</i> , 2020, 235, 8345-8357.	2.0	28
136	Liquid on Paper: Rapid Prototyping of Soft Functional Components for Paper Electronics. <i>Scientific Reports</i> , 2015, 5, 11488.	1.6	27
137	Selective enhancement of red emission from upconversion nanoparticles via surface plasmon-coupled emission. <i>RSC Advances</i> , 2015, 5, 76825-76835.	1.7	27
138	Super-resolution imaging reveals changes in <i>Escherichia coli</i> SSB localization in response to DNA damage. <i>Genes To Cells</i> , 2019, 24, 814-826.	0.5	27
139	Key considerations on the development of biodegradable biomaterials for clinical translation of medical devices: With cartilage repair products as an example. <i>Bioactive Materials</i> , 2022, 9, 332-342.	8.6	27
140	High-Throughput Non-Contact Vitrification of Cell-Laden Droplets Based on Cell Printing. <i>Scientific Reports</i> , 2015, 5, 17928.	1.6	26
141	Fabrication of Microscale Hydrogels with Tailored Microstructures based on Liquid Bridge Phenomenon. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11134-11140.	4.0	26
142	Paper-based point-of-care testing for diagnosis of dengue infections. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 100-111.	5.1	26
143	Nanomaterial-based biosensors for measurement of lipids and lipoproteins towards point-of-care of cardiovascular disease. <i>Analyst</i> , 2017, 142, 3309-3321.	1.7	26
144	Trichomes as a natural biophysical barrier for plants and their bioinspired applications. <i>Soft Matter</i> , 2017, 13, 5096-5106.	1.2	25

#	ARTICLE	IF	CITATIONS
145	Renewable epoxidized cardanol-based acrylate as a reactive diluent for UV-curable resins. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1852-1860.	1.6	25
146	Synergistic Effect of Matrix Stiffness and Inflammatory Factors on Osteogenic Differentiation of MSC. <i>Biophysical Journal</i> , 2019, 117, 129-142.	0.2	25
147	In vitrospatially organizing the differentiation in individual multicellular stem cell aggregates. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 20-31.	5.1	24
148	A smartphone-based on-site nucleic acid testing platform at point-of-care settings. <i>Electrophoresis</i> , 2019, 40, 914-921.	1.3	24
149	A 3D, Magnetically Actuated, Aligned Collagen Fiber Hydrogel Platform Recapitulates Physical Microenvironment of Myoblasts for Enhancing Myogenesis. <i>Small Methods</i> , 2021, 5, e2100276.	4.6	24
150	Ultrarapid Inductive Rewarming of Vitrified Biomaterials with Thin Metal Forms. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1857-1869.	1.3	23
151	Engineering extracellular matrix to improve drug delivery for cancer therapy. <i>Drug Discovery Today</i> , 2020, 25, 1727-1734.	3.2	23
152	Direct intercellular communications dominate the interaction between adipose-derived MSCs and myofibroblasts against cardiac fibrosis. <i>Protein and Cell</i> , 2015, 6, 735-745.	4.8	22
153	The effect of report particle properties on lateral flow assays: A mathematical model. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 699-707.	4.0	22
154	Cell mechanical microenvironment for cell volume regulation. <i>Journal of Cellular Physiology</i> , 2020, 235, 4070-4081.	2.0	22
155	Assessment of tumourigenic potential in long-term cryopreserved human adipose-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2217-2226.	1.3	21
156	Engineering Biomaterials and Approaches for Mechanical Stretching of Cells in Three Dimensions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 589590.	2.0	21
157	Gradient Mechanical Properties Facilitate <i>Arabidopsis</i> Trichome as Mechanosensor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9755-9761.	4.0	20
158	The effect of substrate stiffness on cancer cell volume homeostasis. <i>Journal of Cellular Physiology</i> , 2018, 233, 1414-1423.	2.0	20
159	Plasmon-Driven Ultrafast Photonic PCR. <i>Trends in Biochemical Sciences</i> , 2020, 45, 174-175.	3.7	20
160	Effect of three-dimensional ECM stiffness on cancer cell migration through regulating cell volume homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 459-465.	1.0	20
161	Control of fibroblast shape in sequentially formed 3D hybrid hydrogels regulates cellular responses to microenvironmental cues. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	20
162	In Vitro Platelet Adhesion of PNaAMPS/PAAm and PNaAMPS/PDMAAm Double- <i>Network</i> Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 641-649.	1.1	19

#	ARTICLE	IF	CITATIONS
163	Graphene-based field effect transistor in two-dimensional paper networks. <i>Analytica Chimica Acta</i> , 2016, 917, 101-106.	2.6	19
164	Engineering mechanical microenvironment of macrophage and its biomedical applications. <i>Nanomedicine</i> , 2018, 13, 555-576.	1.7	19
165	Automated quantification of superficial retinal capillaries and large vessels for diabetic retinopathy on optical coherence tomographic angiography. <i>Journal of Biophotonics</i> , 2019, 12, e201900103.	1.1	19
166	Numerical analysis of the Rayleigh–Taylor instability in an electric field. <i>Journal of Fluid Mechanics</i> , 2016, 792, 397-434.	1.4	18
167	Collective Wetting of a Natural Fibrous System and Its Application in Pump-Free Droplet Transfer. <i>Advanced Functional Materials</i> , 2017, 27, 1606607.	7.8	18
168	3D Conformal Modification of Electrospun Silk Nanofibers with Nanoscaled ZnO Deposition for Enhanced Photocatalytic Activity. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2900-2906.	2.6	18
169	Characterizing poroelasticity of biological tissues by spherical indentation: An improved theory for large relaxation. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 138, 103920.	2.3	18
170	A volumetric meter chip for point-of-care quantitative detection of bovine catalase for food safety control. <i>Analytica Chimica Acta</i> , 2016, 935, 207-212.	2.6	17
171	Engineering of microscale three-dimensional pancreatic islet models <i>in vitro</i> and their biomedical applications. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 619-629.	5.1	17
172	<i>In vitro</i> diagnosis of DNA methylation biomarkers with digital PCR in breast tumors. <i>Analyst</i> , 2018, 143, 3011-3020.	1.7	17
173	An improved detection limit and working range of lateral flow assays based on a mathematical model. <i>Analyst</i> , 2018, 143, 2775-2783.	1.7	17
174	Differential Effects of Directional Cyclic Stretching on the Functionalities of Engineered Cardiac Tissues. <i>ACS Applied Bio Materials</i> , 2019, 2, 3508-3519.	2.3	17
175	A fast and ultrasensitive ELISA based on rolling circle amplification. <i>Analyst</i> , 2021, 146, 2871-2877.	1.7	17
176	Blockade efficacy of MEK/ERK-dependent autophagy enhances PI3K/Akt inhibitor NVP-BKM120's therapeutic effectiveness in lung cancer cells. <i>Oncotarget</i> , 2016, 7, 67277-67287.	0.8	17
177	The relationship between thiol-acrylate photopolymerization kinetics and hydrogel mechanics: An improved model incorporating photobleaching and thiol-Michael addition. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 160-169.	1.5	16
178	Mechanical microenvironments of living cells: a critical frontier in mechanobiology. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 265-269.	1.5	16
179	Effect of Substrate Stiffness on Redox State of Single Cardiomyocyte: A Scanning Electrochemical Microscopy Study. <i>Analytical Chemistry</i> , 2020, 92, 4771-4779.	3.2	16
180	Cancer Physical Hallmarks as New Targets for Improved Immunotherapy. <i>Trends in Cell Biology</i> , 2021, 31, 520-524.	3.6	16

#	ARTICLE	IF	CITATIONS
181	Recent advances in bitterness evaluation methods. <i>Analytical Methods</i> , 2012, 4, 599.	1.3	15
182	Thermal Pain in Teeth: Electrophysiology Governed by Thermomechanics. <i>Applied Mechanics Reviews</i> , 2014, 66, 0308011-3080114.	4.5	15
183	Deformation Hysteresis of Electrohydrodynamic Patterning on a Thin Polymer Film. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17668-17675.	4.0	15
184	A modified energy transfer model for determination of upconversion emission of Yb^{3+} - NaYF_4 : Yb , Er : Role of self-quenching effect. <i>Journal of Luminescence</i> , 2017, 185, 292-297.	1.5	15
185	Liquid Plasticine Integrated with Isoelectric Focusing for Miniaturized Protein Analysis. <i>Analytical Chemistry</i> , 2020, 92, 9048-9056.	3.2	15
186	miRNA-mediated macrophage behaviors responding to matrix stiffness and oxLDL. <i>Journal of Cellular Physiology</i> , 2020, 235, 6139-6153.	2.0	15
187	Hydrogel Electronics: Biofriendly, Stretchable, and Reusable Hydrogel Electronics as Wearable Force Sensors (Small 36/2018). <i>Small</i> , 2018, 14, 1870166.	5.2	14
188	The protective effects of acupoint gel embedding on rats with myocardial ischemia-reperfusion injury. <i>Life Sciences</i> , 2018, 211, 51-62.	2.0	14
189	Quantifying and Adjusting Plasmon-Driven Nano-Localized Temperature Field around Gold Nanorods for Nucleic Acids Amplification. <i>Small Methods</i> , 2021, 5, 2001254.	4.6	14
190	A digitalized isothermal nucleic acid testing platform based on a pump-free open droplet array microfluidic chip. <i>Analyst</i> , 2021, 146, 6960-6969.	1.7	14
191	Self-Propelled Hovercraft Based on Cold Leidenfrost Phenomenon. <i>Scientific Reports</i> , 2016, 6, 28574.	1.6	13
192	Non-contact tensile viscoelastic characterization of microscale biological materials. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 589-599.	1.5	13
193	Analysis of Leukocyte Behaviors on Microfluidic Chips. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801406.	3.9	13
194	Methacrylated gelatin-embedded fabrication of 3D graphene-supported Co_3O_4 nanoparticles for water splitting. <i>Nanoscale</i> , 2019, 11, 6866-6875.	2.8	13
195	Paper-based capacitive sensors for identification and quantification of chemicals at the point of care. <i>Talanta</i> , 2017, 165, 419-428.	2.9	12
196	Drug Delivery: Engineering the Surface of Smart Nanocarriers Using a pH/Thermal/GSH-Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo (Adv. Mater. 36/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	12
197	A mechano-electrical coupling model of neurons under stretching. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 93, 213-221.	1.5	12
198	Remodeling of aligned fibrous extracellular matrix by encapsulated cells under mechanical stretching. <i>Acta Biomaterialia</i> , 2020, 112, 202-212.	4.1	12

#	ARTICLE	IF	CITATIONS
199	Fluorescent conjugated polymer nanovector for in vivo tracking and regulating the fate of stem cells for restoring infarcted myocardium. <i>Acta Biomaterialia</i> , 2020, 109, 195-207.	4.1	12
200	The Plasticity of Nanofibrous Matrix Regulates Fibroblast Activation in Fibrosis. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001856.	3.9	12
201	Recent Developments of Three-Dimensional Paper-Based Electrochemical Devices for Cancer Cell Detection and Anticancer Drug Screening. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 802-809.	0.9	12
202	Structures formed by a cell membrane-associated arabinogalactan-protein on graphite or mica alone and with Yariv phenylglycosides. <i>Annals of Botany</i> , 2014, 114, 1385-1397.	1.4	11
203	Antiproliferative Activity and Cellular Uptake of Evodiamine and Rutaecarpine Based on 3D Tumor Models. <i>Molecules</i> , 2016, 21, 954.	1.7	11
204	Investigating the Effect of Substrate Stiffness on the Redox State of Cardiac Fibroblasts Using Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 5797-5804.	3.2	11
205	Construction of cancer-on-a-chip for drug screening. <i>Drug Discovery Today</i> , 2021, 26, 1875-1890.	3.2	11
206	Electrospin-Coating of Paper: A Natural Extracellular Matrix Inspired Design of Scaffold. <i>Polymers</i> , 2019, 11, 650.	2.0	10
207	Chemically Triggered Hydrogel Transformations through Covalent Adaptable Networks and Applications in Cell Culture. <i>ACS Macro Letters</i> , 2021, 10, 901-906.	2.3	10
208	Engineering ellipsoidal cap-like hydrogel particles as building blocks or sacrificial templates for three-dimensional cell culture. <i>Biomaterials Science</i> , 2018, 6, 885-892.	2.6	9
209	Retinal image measurements and their association with chronic kidney disease in Chinese patients with type 2 diabetes: the NCD study. <i>Acta Diabetologica</i> , 2021, 58, 363-370.	1.2	9
210	Taqman-MGB nanoPCR for Highly Specific Detection of Single-Base Mutations. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3695-3705.	3.3	9
211	Graphene foam/hydrogel scaffolds for regeneration of peripheral nerve using ADSCs in a diabetic mouse model. <i>Nano Research</i> , 2022, 15, 3434-3445.	5.8	9
212	A two-dimensional mathematical model for analyzing the effects of capture probe properties on the performance of lateral flow assays. <i>Analyst</i> , The, 2019, 144, 5394-5403.	1.7	8
213	ARL4C might serve as a prognostic factor and a novel therapeutic target for gastric cancer: bioinformatics analyses and biological experiments. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 4014-4027.	1.6	8
214	Evaporation-Induced Diffusion Acceleration in Liquid-Filled Porous Materials. <i>ACS Omega</i> , 2021, 6, 21646-21654.	1.6	8
215	In Situ and Quantitative Monitoring of Cardiac Tissues Using Programmable Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2022, 94, 10515-10523.	3.2	8
216	Experimental and simulation studies of polyarginines across the membrane of giant unilamellar vesicles. <i>RSC Advances</i> , 2016, 6, 30454-30459.	1.7	7

#	ARTICLE	IF	CITATIONS
217	Therapeutic nanomaterials for cancer therapy and tissue regeneration. <i>Drug Discovery Today</i> , 2017, 22, 1285-1287.	3.2	7
218	Droplet based vitrification for cell aggregates: Numerical analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 383-393.	1.5	7
219	Volumetric response of an ellipsoidal liquid inclusion: implications for cell mechanobiology. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 338-342.	1.5	7
220	Janus Vitrification of Droplet via Cold Leidenfrost Phenomenon. <i>Small</i> , 2021, 17, e2007325.	5.2	7
221	Role of Jakob number in Leidenfrost phenomena unveiled by theoretical modeling. <i>Physics of Fluids</i> , 2019, 31, 042109.	1.6	6
222	Translation of a Coated Rigid Spherical Inclusion in an Elastic Matrix: Exact Solution, and Implications for Mechanobiology. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, 0510021-5100210.	1.1	6
223	Mathematical modelling of thermocapillary patterning in thin liquid film: an equilibrium study. <i>Journal of Fluid Mechanics</i> , 2021, 919, .	1.4	6
224	Comparison of paper-based nucleic acid extraction materials for point-of-care testing applications. <i>Cellulose</i> , 2022, 29, 2479-2495.	2.4	6
225	A smart ball sensor fabricated by laser kirigami of graphene for personalized long-term grip strength monitoring. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	6
226	Engineering Artificial Machines from Designable DNA Materials for Biomedical Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 288-297.	2.5	5
227	Elastoplastic Deformation of Silk Micro- and Nanostructures. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 893-899.	2.6	5
228	Tailoring patchy nanoparticle design to modulate serum albumin adsorption and membrane interaction. <i>Soft Matter</i> , 2021, 17, 2071-2080.	1.2	5
229	Compact empty substrate integrated waveguide with high performance and its application in microwave. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 1432-1440.	0.7	5
230	Microsphere sensors for characterizing stress fields within three-dimensional extracellular matrix. <i>Acta Biomaterialia</i> , 2022, 141, 1-13.	4.1	5
231	Ultrasensitive multiplexed detection of small molecules and enzymes using stimuli-responsive nucleic acids. <i>Chemical Engineering Journal</i> , 2022, 440, 135797.	6.6	5
232	Mixed convective heat transfer of water in a pipe under supercritical pressure. <i>Heat Transfer - Asian Research</i> , 2005, 34, 608-619.	2.8	4
233	Self-Healing Materials: Novel Biocompatible Polysaccharide-Based Self-Healing Hydrogel (Adv. Funct. Tj ETQq1 1 0.784314 rgBT 7.8 4	7.8	4
234	Melting Away Pain: Decay of Thermal Nociceptor Transduction during Heat-Induced Irreversible Desensitization of Ion Channels. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3029-3035.	2.6	4

#	ARTICLE	IF	CITATIONS
235	The race to the nociceptor: mechanical versus temperature effects in thermal pain of dental neurons. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 260-266.	1.5	4
236	Electrostatic switching of nuclear basket conformations provides a potential mechanism for nuclear mechanotransduction. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 133, 103705.	2.3	4
237	Fountain streaming contributes to fast tip-growth through regulating the gradients of turgor pressure and concentration in pollen tubes. <i>Soft Matter</i> , 2017, 13, 2919-2927.	1.2	3
238	Soft Fibrous Structures in Nature as Liquid Catcher. <i>Acta Mechanica Solida Sinica</i> , 2019, 32, 580-590.	1.0	3
239	A six-port network based on substrate integrated waveguide coupler with metal strips. <i>IET Microwaves, Antennas and Propagation</i> , 0, , .	0.7	3
240	Hydrogel Fibers: Chinese Noodle-Inspired Muscle Myofiber Fabrication (<i>Adv. Funct. Mater.</i> 37/2015). <i>Advanced Functional Materials</i> , 2015, 25, 6020-6020.	7.8	2
241	Tissue Engineering: Recent Advances in Electrospun Nanofibrous Scaffolds for Cardiac Tissue Engineering (<i>Adv. Funct. Mater.</i> 36/2015). <i>Advanced Functional Materials</i> , 2015, 25, 5875-5875.	7.8	2
242	Cell laden and patterned chitosan microgel for micro-scale tissue engineering. <i>Journal of Controlled Release</i> , 2015, 213, e9.	4.8	2
243	Relation Between C-X-C Motif Chemokine Receptor 4 Levels and the Presence and Extent of Angiographic Coronary Collaterals in Patients With Chronic Total Coronary Occlusion. <i>American Journal of Cardiology</i> , 2016, 118, 1136-1143.	0.7	2
244	Viral Detection: Lateral Flow Assay Based on Paper-Hydrogel Hybrid Material for Sensitive Point-of-Care Detection of Dengue Virus (<i>Adv. Healthcare Mater.</i> 1/2017). <i>Advanced Healthcare Materials</i> , 2017, 6, .	3.9	2
245	Energetics: An emerging frontier in cellular mechanosensing. <i>Physics of Life Reviews</i> , 2017, 22-23, 130-135.	1.5	2
246	Association of CXCR4 expression with coronary collateralization in patients with chronic total coronary occlusion: A nested case-control study. <i>International Journal of Cardiology</i> , 2017, 228, 501-506.	0.8	2
247	Biomechanics in plant resistance to drought. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 1142-1157.	1.5	2
248	Correction of bias in the estimation of cell volume fraction from histology sections. <i>Journal of Biomechanics</i> , 2020, 104, 109705.	0.9	2
249	Bioinspired Microstructure Platform for Modular Cell-Laden Microgel Fabrication. <i>Macromolecular Bioscience</i> , 2021, 21, 2100110.	2.1	2
250	CONTROLLED ASYMMETRICAL DIFFERENTIATION OF MOUSE EMBRYOID BODIES IN MICROWELLS WITH DESIGNED HETEROGENEOUS BIOCHEMICAL FEATURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1340003.	0.3	1
251	Controlled cyclic drug release based on chemomechanical gels. <i>Journal of Controlled Release</i> , 2015, 213, e33.	4.8	1
252	Effect of a microwave warming of cell culture media on cell viability and confluence rate. <i>Microsystem Technologies</i> , 2016, 22, 2307-2313.	1.2	1

#	ARTICLE	IF	CITATIONS
253	Nuclear deformation in mechanotransduction: A new role for heterogeneity. <i>Biophysical Journal</i> , 2021, 120, 1301-1303.	0.2	1
254	Wearable Electronics: Environmentally Compatible Wearable Electronics Based on Ionically Conductive Organohydrogels for Health Monitoring with Thermal Compatibility, Anti-Dehydration, and Underwater Adhesion (<i>Small</i> 24/2021). <i>Small</i> , 2021, 17, 2170122.	5.2	1
255	A new model of myofibroblast-cardiomyocyte interactions and their differences across species. <i>Biophysical Journal</i> , 2021, 120, 3764-3775.	0.2	1
256	Diagnosis and prognosis for exercise-induced muscle injuries: from conventional imaging to emerging point-of-care testing. <i>RSC Advances</i> , 2020, 10, 38847-38860.	1.7	1
257	Macromol. Rapid Commun. 18/2013. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1500-1500.	2.0	0
258	A Prelude to Engineering of Cell Microenvironment Using Novel Hydrogels. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .	0.8	0
259	Bioinspired Structures: Collective Wetting of a Natural Fibrous System and Its Application in Pump-Free Droplet Transfer (<i>Adv. Funct. Mater.</i> 22/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0
260	Vibration of a liquid-filled capillary tube. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 106, 103745.	1.5	0
261	Effect of gene mutation of plants on their mechano-sensibility: the mutant of EXO7OH4 influences the buckling of <i>Arabidopsis trichomes</i> . <i>Analyst, The</i> , 2021, 146, 5169-5176.	1.7	0
262	Janus Particles: Janus Vitrification of Droplet via Cold Leidenfrost Phenomenon (<i>Small</i> 17/2021). <i>Small</i> , 2021, 17, 2170075.	5.2	0
263	Anomalous Loss of Stiffness with Increasing Reinforcement in a Photo-Activated Nanocomposite. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2100147.	2.0	0