

Yan Yan Shery Huang

List of Publications by Year in descending order

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45
papers

2,203
citations

331670

21
h-index

289244

40
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49
all docs

49
docs citations

49
times ranked

3818
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion of Carbon Nanotubes: Mixing, Sonication, Stabilization, and Composite Properties. <i>Polymers</i> , 2012, 4, 275-295.	4.5	517
2	Polymers with aligned carbon nanotubes: Active composite materials. <i>Polymer</i> , 2008, 49, 3841-3854.	3.8	186
3	Dispersion and Alignment of Carbon Nanotubes in Liquid Crystalline Polymers and Elastomers. <i>Advanced Materials</i> , 2010, 22, 3436-3440.	21.0	162
4	Mechanics of biological networks: from the cell cytoskeleton to connective tissue. <i>Soft Matter</i> , 2014, 10, 1864.	2.7	150
5	Strength of Nanotubes, Filaments, and Nanowires From Sonication-Induced Scission. <i>Advanced Materials</i> , 2009, 21, 3945-3948.	21.0	126
6	Tailoring the Electrical Properties of Carbon Nanotube-Polymer Composites. <i>Advanced Functional Materials</i> , 2010, 20, 4062-4068.	14.9	125
7	Micro-Raman spectroscopy of algae: Composition analysis and fluorescence background behavior. <i>Biotechnology and Bioengineering</i> , 2010, 105, 889-898.	3.3	112
8	Low-Voltage Continuous Electrospinning Patterning. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32120-32131.	8.0	75
9	Dispersion and rheology of carbon nanotubes in polymers. <i>International Journal of Material Forming</i> , 2008, 1, 63-74.	2.0	56
10	Dissolving and Aligning Carbon Nanotubes in Thermotropic Liquid Crystals. <i>Langmuir</i> , 2011, 27, 13254-13260.	3.5	55
11	Polysiloxane Surfactants for the Dispersion of Carbon Nanotubes in Nonpolar Organic Solvents. <i>Langmuir</i> , 2009, 25, 12325-12331.	3.5	49
12	Inflight fiber printing toward array and 3D optoelectronic and sensing architectures. <i>Science Advances</i> , 2020, 6, .	10.3	44
13	Microfluidic on-chip biomimicry for 3D cell culture: a fit-for-purpose investigation from the end user standpoint. <i>Future Science OA</i> , 2017, 3, FSO173.	1.9	38
14	Harnessing Surface-Functionalized Metal-Organic Frameworks for Selective Tumor Cell Capture. <i>Chemistry of Materials</i> , 2017, 29, 8052-8056.	6.7	38
15	3D Printing of Liquid Crystalline Hydroxypropyl Cellulose toward Tunable and Sustainable Volumetric Photonic Structures. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	38
16	Broad Bandwidth, Self-Powered Acoustic Sensor Created by Dynamic Near-Field Electrospinning of Suspended, Transparent Piezoelectric Nanofiber Mesh. <i>Small</i> , 2020, 16, e2000581.	10.0	36
17	Multi-length scale bioprinting towards simulating microenvironmental cues. <i>Bio-Design and Manufacturing</i> , 2018, 1, 77-88.	7.7	34
18	Nanotubes Complexed with DNA and Proteins for Resistive-Pulse Sensing. <i>ACS Nano</i> , 2013, 7, 8857-8869.	14.6	30

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19	Solution fibre spinning technique for the fabrication of tuneable decellularised matrix-laden fibres and fibrous micromembranes. <i>Acta Biomaterialia</i> , 2018, 78, 111-122.	8.3	27
20	Rapid Patterning of 1-D Collagenous Topography as an ECM Protein Fibril Platform for Image Cytometry. <i>PLoS ONE</i> , 2014, 9, e93590.	2.5	25
21	Image-Assisted Microvessel-on-a-Chip Platform for Studying Cancer Cell Transendothelial Migration Dynamics. <i>Scientific Reports</i> , 2018, 8, 12480.	3.3	25
22	Bioassembling MacroScale, Lumenized Airway Tubes of Defined Shape via MultiOrganoid Patterning and Fusion. <i>Advanced Science</i> , 2021, 8, 2003332.	11.2	22
23	Fabrication of Designable and Suspended Microfibers via Low-Voltage 3D Micropatterning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19679-19690.	8.0	21
24	On-chip perivascular niche supporting stemness of patient-derived glioma cells in a serum-free, flowable culture. <i>Lab on A Chip</i> , 2021, 21, 2343-2358.	6.0	19
25	3D printed biomimetic cochleae and machine learning co-modelling provides clinical informatics for cochlear implant patients. <i>Nature Communications</i> , 2021, 12, 6260.	12.8	19
26	Transparent Electrode with a Nanostructured Coating. <i>ACS Nano</i> , 2011, 5, 2082-2089.	14.6	18
27	NearField Electrospinning Patterning Polycaprolactone and Polycaprolactone/Collagen Interconnected Fiber Membrane. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700463.	3.6	18
28	Fabrication and electromechanical characterization of near-field electrospun composite fibers. <i>Nanotechnology</i> , 2012, 23, 105305.	2.6	17
29	Dynamics of filopodium-like protrusion and endothelial cellular motility on one-dimensional extracellular matrix fibrils. <i>Interface Focus</i> , 2014, 4, 20130060.	3.0	17
30	Spectroscopic characterization of protein-wrapped single-wall carbon nanotubes and quantification of their cellular uptake in multiple cell generations. <i>Nanotechnology</i> , 2013, 24, 265102.	2.6	14
31	Solution Formulation and Rheology for Fabricating Extracellular Matrix-Derived Fibers Using Low-Voltage Electrospinning Patterning. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3676-3684.	5.2	14
32	Bioprinting of three-dimensional culture models and organ-on-a-chip systems. <i>MRS Bulletin</i> , 2017, 42, 593-599.	3.5	11
33	Additive batch electrospinning patterning of tethered gelatin hydrogel fibres with swelling-induced fibre curling. <i>Additive Manufacturing</i> , 2020, 36, 101456.	3.0	11
34	Variation in Carbon Nanotube Polymer Composite Conductivity from the Effects of Processing, Dispersion, Aging and Sample Size. <i>Materials Express</i> , 2011, 1, 315-328.	0.5	9
35	Advances and innovations in electrospinning technology. , 2021, , 45-81.		9
36	Guided Assembly and Patterning of Intrinsically Fluorescent Amyloid Fibers with Long-Range Order. <i>Nano Letters</i> , 2021, 21, 938-945.	9.1	8

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37	Cancer cell migration on straight, wavy, loop and grid microfibre patterns. <i>Biofabrication</i> , 2022, 14, 024102.	7.1	8
38	100% ¹ Industrial-Scale Flexographic Printing of Graphene-Incorporated Conductive Ink. <i>Advanced Engineering Materials</i> , 2022, 24, 2101217.	3.5	7
39	An empirical model to evaluate the effects of environmental humidity on the formation of wrinkled, creased and porous fibre morphology from electrospinning. <i>Scientific Reports</i> , 2020, 10, 18783.	3.3	6
40	Guided assembly of cancer ellipsoid on suspended hydrogel microfibers estimates multi-cellular traction force. <i>Physical Biology</i> , 2021, 18, 036001.	1.8	2
41	Low-Voltage Continuous Electrospinning: A Versatile Protocol for Patterning Nano- and Micro-Scaled Fibers for Cell Interface. <i>Methods in Molecular Biology</i> , 2021, 2147, 125-135.	0.9	2
42	Direct-write conductive fibres for soft electronics. , 2012, , .		0
43	Centrifuge Coating for Low-Waste Solution Processing of Transparent Nanostructured Electrodes. <i>IEEE Nanotechnology Magazine</i> , 2013, 12, 874-878.	2.0	0
44	Macromol. Mater. Eng. 2/2018. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1870009.	3.6	0
45	Acoustic Sensors: Broad Bandwidth, Self-Powered Acoustic Sensor Created by Dynamic Near-Field Electrospinning of Suspended, Transparent Piezoelectric Nanofiber Mesh (<i>Small</i> 28/2020). <i>Small</i> , 2020, 16, 2070157.	10.0	0