

Dongha Tahk

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,079
citations

623734

14
h-index

713466

21
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all docs

21
docs citations

21
times ranked

2252
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Microphysiological System-Inspired Scalable Vascularized Tissue Constructs for Regenerative Medicine. <i>Advanced Functional Materials</i> , 2022, 32, 2105475.	14.9	7
2	Self-detachable UV-curable polymers for open-access microfluidic platforms. <i>Lab on A Chip</i> , 2020, 20, 4215-4224.	6.0	8
3	Strain-Visualization with Ultrasensitive Nanoscale Crack-Based Sensor Assembled with Hierarchical Thermochromic Membrane. <i>Advanced Functional Materials</i> , 2019, 29, 1903360.	14.9	36
4	Magnetic Nanoparticle-Embedded Hydrogel Sheet with a Groove Pattern for Wound Healing Application. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3909-3921.	5.2	38
5	Optogenetic neuronal stimulation promotes axon outgrowth and myelination of motor neurons in a three-dimensional motor neuron-Schwann cell coculture model on a microfluidic biochip. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2425-2438.	3.3	26
6	Design rules for a tunable merged-tip microneedle. <i>Microsystems and Nanoengineering</i> , 2018, 4, 29.	7.0	29
7	Ultra-sensitive Pressure sensor based on guided straight mechanical cracks. <i>Scientific Reports</i> , 2017, 7, 40116.	3.3	86
8	Rapid large area fabrication of multiscale through-hole membranes. <i>Lab on A Chip</i> , 2017, 17, 1817-1825.	6.0	26
9	Open-top microfluidic device for in vitro three-dimensional capillary beds. <i>Lab on A Chip</i> , 2017, 17, 3405-3414.	6.0	65
10	Surface energy-tunable iso decyl acrylate based molds for low pressure-nanoimprint lithography. <i>Nanotechnology</i> , 2017, 28, 405301.	2.6	1
11	A Low Permeability Microfluidic Blood-Brain Barrier Platform with Direct Contact between Perfusable Vascular Network and Astrocytes. <i>Scientific Reports</i> , 2017, 7, 8083.	3.3	188
12	Conformal phase masks made of polyurethane acrylate with optimized elastic modulus for 3D nanopatterning. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2316.	5.5	37
13	Continuous and Scalable Fabrication of Bioinspired Dry Adhesives via a Roll-to-Roll Process with Modulated Ultraviolet-Curable Resin. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14590-14599.	8.0	51
14	Efficiency Improvement of Organic Solar Cells by Tuning Hole Transport Layer with Germanium Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 623-628.	0.9	4
15	Fabrication of a hierarchical structure by oxygen plasma etching of a photocured microstructure containing a silicon moiety. <i>Journal of Materials Chemistry</i> , 2011, 21, 14936.	6.7	12
16	Fabrication of Antireflection and Antifogging Polymer Sheet by Partial Photopolymerization and Dry Etching. <i>Langmuir</i> , 2010, 26, 2240-2243.	3.5	71
17	Adhesion hysteresis of Janus nanopillars fabricated by nanomolding and oblique metal deposition. <i>Nano Today</i> , 2009, 4, 385-392.	11.9	80
18	Spontaneous dewetting-induced residue-free patterning at room temperature. <i>Journal of Colloid and Interface Science</i> , 2009, 340, 74-81.	9.4	9

#	ARTICLE	IF	CITATIONS
19	Wettability-Controllable Super Water- and Moderately Oil-Repellent Surface Fabricated by Wet Chemical Etching. Langmuir, 2009, 25, 6576-6579.	3.5	82
20	Elastic Moduli of Organic Electronic Materials by the Buckling Method. Macromolecules, 2009, 42, 7079-7083.	4.8	222