Dongha Tahk

List of Publications by Year
in descending order

20 papers	1,079 citations	623734 14 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2252 citing authors

#	Article	IF	Citations
1	Elastic Moduli of Organic Electronic Materials by the Buckling Method. Macromolecules, 2009, 42, 7079-7083.	4.8	222
2	A Low Permeability Microfluidic Blood-Brain Barrier Platform with Direct Contact between Perfusable Vascular Network and Astrocytes. Scientific Reports, 2017, 7, 8083.	3.3	188
3	Ultra-sensitive Pressure sensor based on guided straight mechanical cracks. Scientific Reports, 2017, 7, 40116.	3.3	86
4	Wettability-Controllable Super Water- and Moderately Oil-Repellent Surface Fabricated by Wet Chemical Etching. Langmuir, 2009, 25, 6576-6579.	3.5	82
5	Adhesion hysteresis of Janus nanopillars fabricated by nanomolding and oblique metal deposition. Nano Today, 2009, 4, 385-392.	11.9	80
6	Fabrication of Antireflection and Antifogging Polymer Sheet by Partial Photopolymerization and Dry Etching. Langmuir, 2010, 26, 2240-2243.	3.5	71
7	â€œOpen-topâ€•microfluidic device for in vitro three-dimensional capillary beds. Lab on A Chip, 2017, 17, 3405-3414.	6.0	65
8	Continuous and Scalable Fabrication of Bioinspired Dry Adhesives via a Roll-to-Roll Process with Modulated Ultraviolet-Curable Resin. ACS Applied Materials & Interfaces, 2014, 6, 14590-14599.	8.0	51
9	Magnetic Nanoparticle-Embedded Hydrogel Sheet with a Groove Pattern for Wound Healing Application. ACS Biomaterials Science and Engineering, 2019, 5, 3909-3921.	5.2	38
10	Conformal phase masks made of polyurethane acrylate with optimized elastic modulus for 3D nanopatterning. Journal of Materials Chemistry C, 2014, 2, 2316.	5.5	37
11	Strainâ€Visualization with Ultrasensitive Nanoscale Crackâ€Based Sensor Assembled with Hierarchical Thermochromic Membrane. Advanced Functional Materials, 2019, 29, 1903360.	14.9	36
12	Design rules for a tunable merged-tip microneedle. Microsystems and Nanoengineering, 2018, 4, 29.	7.0	29
13	Rapid large area fabrication of multiscale through-hole membranes. Lab on A Chip, 2017, 17, 1817-1825.	6.0	26
14	Optogenetic neuronal stimulation promotes axon outgrowth and myelination of motor neurons in a threeâ€dimensional motor neuronâ€“Schwann cell coculture model on a microfluidic biochip. Biotechnology and Bioengineering, 2019, 116, 2425-2438.	3.3	26
15	Fabrication of a hierarchical structure by oxygen plasma etching of a photocured microstructure containing a silicon moiety. Journal of Materials Chemistry, 2011, 21, 14936.	6.7	12
16	Spontaneous dewetting-induced residue-free patterning at room temperature. Journal of Colloid and Interface Science, 2009, 340, 74-81.	9.4	9
17	Self-detachable UV-curable polymers for open-access microfluidic platforms. Lab on A Chip, 2020, 20, 4215-4224.	6.0	8
18	3D Microphysiological Systemâ€Inspired Scalable Vascularized Tissue Constructs for Regenerative Medicine. Advanced Functional Materials, 2022, 32, 2105475.	14.9	7

#	Article	IF	Citations
19	Efficiency Improvement of Organic Solar Cells by Tuning Hole Transport Layer with Germanium Oxide. Journal of Nanoscience and Nanotechnology, 2012, 12, 623-628.	0.9	4
20	Surface energy-tunable iso decyl acrylate based molds for low pressure-nanoimprint lithography. Nanotechnology, 2017, 28, 405301.	2.6	1