

Tetsuhiko Teshima

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

474
citations

687363

13
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluid shear triggers microvilli formation via mechanosensitive activation of TRPV6. <i>Nature Communications</i> , 2015, 6, 8871.	12.8	136
2	A dynamic microarray device for paired bead-based analysis. <i>Lab on A Chip</i> , 2010, 10, 2443.	6.0	64
3	Integrated Microfluidic System for Size-Based Selection and Trapping of Giant Vesicles. <i>Analytical Chemistry</i> , 2016, 88, 1111-1116.	6.5	40
4	Mobile Silk Fibroin Electrode for Manipulation and Electrical Stimulation of Adherent Cells. <i>Advanced Functional Materials</i> , 2016, 26, 8185-8193.	14.9	28
5	Parylene Mobile Microplates Integrated with an Enzymatic Release for Handling of Single Adherent Cells. <i>Small</i> , 2014, 10, 912-921.	10.0	24
6	Mobile Microplates for Morphological Control and Assembly of Individual Neural Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 415-420.	7.6	20
7	Cell Assembly in Self-foldable Multi-layered Soft Micro-rolls. <i>Scientific Reports</i> , 2017, 7, 17376.	3.3	19
8	Self-Folded Three-Dimensional Graphene with a Tunable Shape and Conductivity. <i>Nano Letters</i> , 2019, 19, 461-470.	9.1	17
9	Soft peripheral nerve interface made from carbon nanotubes embedded in silicone. <i>APL Materials</i> , 2020, 8, .	5.1	17
10	Liquid-filled tunable lenticular lens. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 035030.	2.6	16
11	Biocompatible, Flexible, and Oxygen-Permeable Silicone-Hydrogel Material for Stereolithographic Printing of Microfluidic Lab-On-A-Chip and Cell-Culture Devices. <i>ACS Applied Polymer Materials</i> , 2021, 3, 243-258.	4.4	15
12	Self-propelled ion gel at air-water interface. <i>Scientific Reports</i> , 2017, 7, 9323.	3.3	14
13	Magnetically Responsive Microflaps Reveal Cell Membrane Boundaries from Multiple Angles. <i>Advanced Materials</i> , 2014, 26, 2850-2856.	21.0	13
14	Clustering triple microbeads in a dynamic microarray for timing-controllable bead-based reactions. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 1039-1048.	2.2	12
15	Graphene-based neuron encapsulation with controlled axonal outgrowth. <i>Nanoscale</i> , 2019, 11, 13249-13259.	5.6	12
16	High-Resolution Vertical Observation of Intracellular Structure Using Magnetically Responsive Microplates. <i>Small</i> , 2016, 12, 3366-3373.	10.0	7
17	Lab-on-a-chip based mechanical actuators and sensors for single-cell and organoid culture studies. <i>Journal of Applied Physics</i> , 2021, 129, 210905.	2.5	7
18	A Superabsorbent Sodium Polyacrylate Printing Resin as Actuator Material in 4D Printing. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	5

#	ARTICLE	IF	CITATIONS
19	3D Printing of Implants Composed of Nanjing Tamasudareâ€Inspired Flexible Shape Transformers. <i>Advanced Materials Technologies</i> , 2021, 6, 2100240.	5.8	4
20	Fabrication of Graphene Microroll Aptasensor. <i>Sensors and Materials</i> , 2018, 30, 2989.	0.5	2
21	Centrifugal microfluidic system for multistep assay using small amount of various samples. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 281-286.	7.8	1
22	Three-dimensional self-folding assembly of multi-layer graphene at the interface with a polymeric film. <i>AIP Advances</i> , 2022, 12, 075002.	1.3	1
23	Microflaps: Magnetically Responsive Microflaps Reveal Cell Membrane Boundaries from Multiple Angles (<i>Adv. Mater.</i> 18/2014). <i>Advanced Materials</i> , 2014, 26, 2963-2963.	21.0	0
24	Hydrogel: Mobile Silk Fibroin Electrode for Manipulation and Electrical Stimulation of Adherent Cells (<i>Adv. Funct. Mater.</i> 45/2016). <i>Advanced Functional Materials</i> , 2016, 26, 8150-8150.	14.9	0
25	Neural Cells: Mobile Microplates for Morphological Control and Assembly of Individual Neural Cells (<i>Adv. Healthcare Mater.</i> 4/2016). <i>Advanced Healthcare Materials</i> , 2016, 5, 500-500.	7.6	0
26	Dynamic Microarray Devices for the Observation of Paired Different Types of Beads. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2010, 130, 465-470.	0.1	0