

Alongkorn Pimpin

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

360
citations

932766

10
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Disposable paper-based electrochemical sensor utilizing inkjet-printed Polyaniline modified screen-printed carbon electrode for Ascorbic acid detection. <i>Journal of Electroanalytical Chemistry</i> , 2012, 685, 72-78.	1.9	106
2	The development of malaria diagnostic techniques: a review of the approaches with focus on dielectrophoretic and magnetophoretic methods. <i>Malaria Journal</i> , 2016, 15, 358.	0.8	62
3	Microelectrostrictive Actuator With Large Out-of-Plane Deformation for Flow-Control Application. <i>Journal of Microelectromechanical Systems</i> , 2007, 16, 753-764.	1.7	46
4	Fabrication and characterization of novel microneedles made of a polystyrene solution. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 50, 77-81.	1.5	32
5	Fabrication and Characterization of Nitinol-Copper Shape Memory Alloy Bimorph Actuators. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 635-643.	1.2	19
6	The Viability of Single Cancer Cells after Exposure to Hydrodynamic Shear Stresses in a Spiral Microchannel: A Canine Cutaneous Mast Cell Tumor Model. <i>Micromachines</i> , 2018, 9, 9.	1.4	15
7	A novel patterning method for three-dimensional paper-based devices by using inkjet-printed water mask. <i>Cellulose</i> , 2018, 25, 2659-2665.	2.4	12
8	A novel method for transferring graphene onto PDMS. <i>Applied Surface Science</i> , 2015, 358, 70-74.	3.1	11
9	Focusing and sorting of multiple-sized beads and cells using low-aspect-ratio spiral microchannels. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 5397-5405.	0.7	11
10	Material and performance characterization of Z-shaped nickel electrothermal micro-actuators. <i>Sensors and Actuators A: Physical</i> , 2017, 253, 49-58.	2.0	11
11	Titanium dioxide nanotubes of defined diameter enhance mesenchymal stem cell proliferation via JNK- and ERK-dependent up-regulation of fibroblast growth factor-2 by T lymphocytes. <i>Journal of Biomaterials Applications</i> , 2019, 33, 997-1010.	1.2	11
12	Fabrication of high-density microneedle masters towards the commercialisation of dissolving microneedles. <i>Micro and Nano Letters</i> , 2018, 13, 284-288.	0.6	7
13	Investigation of wear resistance and lifetime of diamond-like carbon (DLC) coated glass disk in flying height measurement process. <i>Microsystem Technologies</i> , 2011, 17, 1373-1379.	1.2	5
14	Development of Simple-Structure Magnetic Membrane Actuator for Synthetic Jet Application. <i>Applied Mechanics and Materials</i> , 0, 225, 350-355.	0.2	3
15	Development of a paper-based pressure sensor fabricated by an inkjet-printed water mask method. <i>Microsystem Technologies</i> , 2020, 26, 2117-2121.	1.2	3
16	Two-Step Electroplating Process in Fabrication of Thermal Bimorph Cantilever Actuator for Flow Control Application. <i>Applied Mechanics and Materials</i> , 2012, 225, 367-371.	0.2	2
17	Design, Fabrication and Evaluation of a Novel Electro Thermal Micro-Gripper for Handling of Head Gimbal Assembly. <i>Applied Mechanics and Materials</i> , 2014, 619, 156-161.	0.2	2
18	Effects of the cell and triangular microwell size on the cell-trapping efficacy and specificity. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 5571-5580.	0.7	2

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19	Improvement of measurement sensitivity near contact in intensity-interferometry flying height testers. <i>Microsystem Technologies</i> , 2015, 21, 49-53.	1.2	0