

Michinao Hashimoto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

2,242
citations

21
h-index

47
g-index

67
ext. papers

2,736
ext. citations

8
avg, IF

5.32
L-index

#	Paper	IF	Citations
61	Preparation of monodisperse biodegradable polymer microparticles using a microfluidic flow-focusing device for controlled drug delivery. <i>Small</i> , 2009 , 5, 1575-81	11	457
60	Stretchable microfluidic radiofrequency antennas. <i>Advanced Materials</i> , 2010 , 22, 2749-52	24	337
59	Synthetic ligand-coated magnetic nanoparticles for microfluidic bacterial separation from blood. <i>Nano Letters</i> , 2014 , 14, 1-5	11.5	196
58	A microfluidic apparatus for the study of ice nucleation in supercooled water drops. <i>Lab on A Chip</i> , 2009 , 9, 2293-305	7.2	122
57	Formation of bubbles and droplets in parallel, coupled flow-focusing geometries. <i>Small</i> , 2008 , 4, 1795-805		98
56	Highly stretchable hydrogels for UV curing based high-resolution multimaterial 3D printing. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3246-3253	7.3	96
55	Synthesis of composite emulsions and complex foams with the use of microfluidic flow-focusing devices. <i>Small</i> , 2007 , 3, 1792-802	11	72
54	Flowing lattices of bubbles as tunable, self-assembled diffraction gratings. <i>Small</i> , 2006 , 2, 1292-8	11	58
53	Interfacial instabilities in a microfluidic Hele-Shaw cell. <i>Soft Matter</i> , 2008 , 4, 1403-1413	3.6	52
52	3D food printing of fresh vegetables using food hydrocolloids for dysphagic patients. <i>Food Hydrocolloids</i> , 2021 , 114, 106546	10.6	52
51	Cofabrication: a strategy for building multicomponent microsystems. <i>Accounts of Chemical Research</i> , 2010 , 43, 518-28	24.3	49
50	Synthesis of 5-(3-indolyl)oxazole natural products. Structure revision of Almazole D. <i>Tetrahedron</i> , 2010 , 66, 4888-4893	2.4	39
49	Fabrication of integrated microfluidic devices by direct ink writing (DIW) 3D printing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126609	8.5	37
48	Chocolate-based Ink Three-dimensional Printing (Ci3DP). <i>Scientific Reports</i> , 2019 , 9, 14178	4.9	36
47	Self-aligning Tetris-Like (TILE) modular microfluidic platform for mimicking multi-organ interactions. <i>Lab on A Chip</i> , 2019 , 19, 2178-2191	7.2	34
46	Fabrication of 3D Microfluidic Channels and In-Channel Features Using 3D Printed, Water-Soluble Sacrificial Mold. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700484	3.9	33
45	Formation of bubbles in a multisection flow-focusing junction. <i>Small</i> , 2010 , 6, 1051-9	11	32

44	Bubbles navigating through networks of microchannels. <i>Lab on A Chip</i> , 2011 , 11, 3970-8	7.2	27
43	Strong tissue glue with tunable elasticity. <i>Acta Biomaterialia</i> , 2017 , 53, 93-99	10.8	26
42	Infochemistry: encoding information as optical pulses using droplets in a microfluidic device. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12420-9	16.4	26
41	Ultra-Deformable and Tissue-Adhesive Liquid Metal Antennas with High Wireless Powering Efficiency. <i>Advanced Materials</i> , 2021 , 33, e2008062	24	22
40	Microdevices for nanomedicine. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2127-44	5.6	20
39	Patterning and Modeling Three-Dimensional Microfluidic Devices Fabricated on a Single Sheet of Paper. <i>Analytical Chemistry</i> , 2019 , 91, 8298-8303	7.8	18
38	Benchtop fabrication of microfluidic systems based on curable polymers with improved solvent compatibility. <i>Lab on A Chip</i> , 2013 , 13, 252-9	7.2	18
37	3D printed fittings and fluidic modules for customizable droplet generators.. <i>RSC Advances</i> , 2019 , 9, 2823-2828	7.7	17
36	Immersion precipitation 3D printing (ip3DP). <i>Materials Horizons</i> , 2019 , 6, 1834-1844	14.4	17
35	Fabrication of paper microfluidic devices using a toner laser printer.. <i>RSC Advances</i> , 2020 , 10, 29797-29807	9.7	17
34	3D printing of milk-based product.. <i>RSC Advances</i> , 2020 , 10, 29821-29828	3.7	17
33	Dual Sacrificial Molding: Fabricating 3D Microchannels with Overhang and Helical Features. <i>Micromachines</i> , 2018 , 9,	3.3	16
32	A two-component pre-seeded dermal-epidermal scaffold. <i>Acta Biomaterialia</i> , 2014 , 10, 4928-4938	10.8	15
31	Direct spraying method for fabrication of paper-based microfluidic devices. <i>Journal of Micromechanics and Microengineering</i> , 2017 , 27, 104001	2	15
30	Digital Light Processing Based Bioprinting with Composable Gradients. <i>Advanced Materials</i> , 2021 , e2107038	17.8	15
29	ECM-based microchannel for culturing in vitro vascular tissues with simultaneous perfusion and stretch. <i>Lab on A Chip</i> , 2020 , 20, 1917-1927	7.2	15
28	Fabrication of Complex 3D Fluidic Networks via Modularized Stereolithography. <i>Advanced Engineering Materials</i> , 2020 , 22, 1901109	3.5	14
27	Ground-state conformers enable bright single-fluorophore ratiometric thermometers with positive temperature coefficients. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2383-2390	7.8	11

26	Bridging the academia-to-industry gap: organ-on-a-chip platforms for safety and toxicology assessment. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 715-728	13.2	10
25	Self-assembly of droplets in three-dimensional microchannels. <i>Soft Matter</i> , 2019 , 15, 4244-4254	3.6	9
24	Embedded Ink Writing (EIW) of Polysiloxane Inks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23565-23575	5.3	9
23	Rapid prototyping of fluoropolymer microchannels by xurography for improved solvent resistance. <i>Biomicrofluidics</i> , 2018 , 12, 064105	3.2	9
22	. <i>IEEE Access</i> , 2019 , 7, 90304-90315	3.5	8
21	Stretchable microfluidic electric circuit applied for radio frequency antenna 2011 ,		8
20	Polymeric Microneedle Array Fabrication by Photolithography. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	8
19	Syringe-Injectable, Self-Expandable, and Ultraconformable Magnetic Ultrathin Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41770-41779	9.5	6
18	ECM-based microfluidic gradient generator for tunable surface environment by interstitial flow. <i>Biomicrofluidics</i> , 2020 , 14, 044106	3.2	6
17	3D-PAD: Paper-Based Analytical Devices with Integrated Three-Dimensional Features. <i>Biosensors</i> , 2021 , 11,	5.9	6
16	Highly-customizable 3D-printed peristaltic pump kit. <i>HardwareX</i> , 2021 , 10, e00202	2.7	6
15	Preheating of Gelatin Improves its Printability with Transglutaminase in Direct Ink Writing 3D Printing. <i>International Journal of Bioprinting</i> , 2020 , 6, 296	6.2	5
14	Three-Dimensional Printing of Food Foams Stabilized by Hydrocolloids for Hydration in Dysphagia. <i>International Journal of Bioprinting</i> , 2021 , 7, 393	6.2	4
13	Method to Reduce the Contact Resistivity between Galinstan and a Copper Electrode for Electrical Connection in Flexible Devices. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18247-18254	9.5	3
12	Effect of Oil Content on the Printability of Coconut Cream. <i>International Journal of Bioprinting</i> , 2021 , 7, 354	6.2	3
11	Freeform Polymer Precipitation in Microparticulate Gels. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 908-919	4.3	3
10	3D Printing of Okara Ink: The Effect of Particle Size on the Printability. <i>ACS Food Science & Technology</i> ,		2
9	Geometrical control of degradation and cell delivery in 3D printed nanocellulose hydrogels. <i>Materials Today Communications</i> , 2022 , 30, 103023	2.5	2

8	Evaluation of 3D-printed molds for fabrication of non-planar microchannels. <i>Biomicrofluidics</i> , 2021 , 15, 024111	3.2	2
7	ECM-based Stretchable Microfluidic System for in vitro 3D Tissue Culture 2019 ,		1
6	Fabricating small-scale, curved, polymeric structures for biological applications using a combination of photocurable/thermocurable polydimethylsiloxane and phase interactions. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	1
5	Digital Light Processing Based Bioprinting with Composable Gradients (Adv. Mater. 1/2022). <i>Advanced Materials</i> , 2022 , 34, 2270010	24	1
4	Evaluation of Lateral and Vertical Dimensions of Micromolds Fabricated by a PolyJetPrinter. <i>Micromachines</i> , 2021 , 12,	3.3	1
3	Design and fabrication of a flexible glucose sensing platform toward rapid battery-free detection of hyperglycaemia. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 7336-7344	7.1	1
2	Systematic Engineering approach for optimization of multi-component alternative protein-fortified 3D printing food Ink. <i>Food Hydrocolloids</i> , 2022 , 131, 107803	10.6	1
1	Design and fabrication of micro/nanofluidics devices and systems.. <i>Progress in Molecular Biology and Translational Science</i> , 2022 , 186, 15-58	4	