

Jasmina Casals TerrÃ©

List of Publications by Year in descending order

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43
papers

634
citations

759233

12
h-index

610901

24
g-index

46
all docs

46
docs citations

46
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Flow Dynamics of Polymer Greases. <i>Lubricants</i> , 2022, 10, 66.	2.9	5
2	Microfluidics and MEMS Technology for Membranes. <i>Membranes</i> , 2022, 12, 586.	3.0	0
3	Portable 3D-printed sensor to measure ionic strength and pH in buffered and non-buffered solutions. <i>Food Chemistry</i> , 2021, 344, 128583.	8.2	5
4	Recent Impact of Microfluidics on Skin Models for Perspiration Simulation. <i>Membranes</i> , 2021, 11, 150.	3.0	10
5	Numerical and experimental analysis of a high-throughput blood plasma separator for point-of-care applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2867-2878.	3.7	8
6	Flow Control in Porous Media: From Numerical Analysis to Quantitative μ PAD for Ionic Strength Measurements. <i>Sensors</i> , 2021, 21, 3328.	3.8	4
7	Enhanced fully cellulose based forward and reverse blood typing assay. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 439-450.	3.4	13
8	Advancements in Microfabricated Gas Sensors and Microanalytical Tools for the Sensitive and Selective Detection of Odors. <i>Sensors</i> , 2020, 20, 5478.	3.8	27
9	Cost-effective microfabrication of sub-micron-depth channels by femto-laser anti-stiction texturing. <i>Biofabrication</i> , 2020, 12, 025021.	7.1	5
10	Hemostasis-On-a-Chip: Impedance Spectroscopy Meets Microfluidics for Hemostasis Evaluation. <i>Micromachines</i> , 2019, 10, 534.	2.9	8
11	A passive portable microfluidic blood-plasma separator for simultaneous determination of direct and indirect ABO/Rh blood typing. <i>Lab on A Chip</i> , 2019, 19, 3249-3260.	6.0	14
12	Novel applications of nonwood cellulose for blood typing assays. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1533-1541.	3.4	8
13	Novel Variable Radius Spiral-Shaped Micromixer: From Numerical Analysis to Experimental Validation. <i>Micromachines</i> , 2018, 9, 552.	2.9	27
14	RF-MEMS Switches Designed for High-Performance Uniplanar Microwave and mm-Wave Circuits. , 2018, , ,		4
15	Contaminant Particle Motion in Lubricating Grease Flow: A Computational Fluid Dynamics Approach. <i>Lubricants</i> , 2018, 6, 10.	2.9	6
16	New method for lubricating wind turbine pitch gears using embedded micro-nozzles. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 797-806.	1.5	3
17	RF-MEMS switches for a full control of the propagating modes in uniplanar microwave circuits and their application to reconfigurable multimodal microwave filters. <i>Microsystem Technologies</i> , 2017, 23, 5959-5975.	2.0	2
18	REPLICATING RAPID Microfluidics: Self-Replicating Printer for Hydrophobic Pattern Deposition. <i>3D Printing and Additive Manufacturing</i> , 2017, 4, 231-238.	2.9	3

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19	Optimization of Variable Radius Spiral Micromixer. Proceedings (mdpi), 2017, 1, .	0.2	0
20	Microfluidic Enabled Portable ABO Reverse Typing Sensor. Proceedings (mdpi), 2017, 1, 756.	0.2	0
21	A new approach to design an efficient micropost array for enhanced direct-current insulator-based dielectrophoretic trapping. Analytical and Bioanalytical Chemistry, 2016, 408, 5285-5294.	3.7	26
22	The use of rapid prototyping techniques (RPT) to manufacture micro channels suitable for high operation pressures and $1/4$ PIV. Rapid Prototyping Journal, 2016, 22, 67-76.	3.2	11
23	Microfluidic point-of-care blood panel based on a novel technique: Reversible electroosmotic flow. Biomicrofluidics, 2015, 9, 054106.	2.4	38
24	Self-driven filter-based blood plasma separator microfluidic chip for point-of-care testing. Biofabrication, 2015, 7, 025007.	7.1	50
25	Hydrodynamic and direct-current insulator-based dielectrophoresis (H-DC-iDEP) microfluidic blood plasma separation. Analytical and Bioanalytical Chemistry, 2015, 407, 4733-4744.	3.7	71
26	Grease flow in an elbow channel. Tribology Letters, 2015, 57, 1.	2.6	7
27	Analytical Energy Model for the Dynamic Behavior of RF MEMS Switches Under Increased Actuation Voltage. Journal of Microelectromechanical Systems, 2014, 23, 1428-1439.	2.5	5
28	A Ku-band RF-MEMS frequency-reconfigurable multimodal bandpass filter. International Journal of Microwave and Wireless Technologies, 2014, 6, 277-285.	1.9	7
29	High-throughput microcapillary pump with efficient integrated low aspect ratio micropillars. Microfluidics and Nanofluidics, 2014, 17, 115-130.	2.2	8
30	Long-term behavior of nonionic surfactant-added PDMS for self-driven microchips. Microsystem Technologies, 2013, 19, 143-150.	2.0	16
31	Ku-band RF-MEMS uniplanar reconfigurable bandwidth bandpass filter using multimodal immittance inverters. Electronics Letters, 2013, 49, 704-706.	1.0	10
32	A novel fabrication technique to minimize poly(dimethylsiloxane) microchannels deformation under high pressure operation. Electrophoresis, 2013, 34, 3126-3132.	2.4	13
33	Study the Effects of Different Surfactants on Hydrophilicity of Polydimethylsiloxane (PDMS)., 2012, , .		1
34	Design and characterization of a magnetic digital flow regulator. Sensors and Actuators A: Physical, 2010, 162, 107-115.	4.1	10
35	Design, fabrication and characterization of an externally actuated ON/OFF microvalve. Sensors and Actuators A: Physical, 2008, 147, 600-606.	4.1	31
36	Snap-Action Bistable Micromechanisms Actuated by Nonlinear Resonance. Journal of Microelectromechanical Systems, 2008, 17, 1082-1093.	2.5	80

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37	Magnetically actuated microvalve for disposable drug infusor. , 2007, , .		2
38	A Low-Power-Consumption Out-of-Plane Electrothermal Actuator. Journal of Microelectromechanical Systems, 2007, 16, 719-727.	2.5	10
39	Resonant Pull-In Condition in Parallel-Plate Electrostatic Actuators. Journal of Microelectromechanical Systems, 2007, 16, 1044-1053.	2.5	64
40	Study with Stainless Steel AISI 630 of Tool Wear in External Turning Operations. Materials Science Forum, 2006, 526, 205-210.	0.3	0
41	Analysis of the Behaviour Effect of Face Cutting Edge Inserts on Surface Roughness when Milling Steels with MQL Lubrication. Materials Science Forum, 2006, 526, 25-30.	0.3	0
42	Dynamic analysis of a snap-action micromechanism. , 0, , .		11
43	Snap-Action Bistable Micromechanism Actuated by Nonlinear Resonance. , 0, , .		10