

Dario Mager

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.

40
papers

1,242
citations

17
h-index

35
g-index

50
ext. papers

1,473
ext. citations

6.1
avg, IF

4.27
L-index

#	Paper	IF	Citations
40	Printed electronics: the challenges involved in printing devices, interconnects, and contacts based on inorganic materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8446		569
39	Inkjet printed, conductive, 25 μ m wide silver tracks on unstructured polyimide. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 1626-1630	1.6	79
38	CD-Based Microfluidics for Primary Care in Extreme Point-of-Care Settings. <i>Micromachines</i> , 2016 , 7,	3.3	67
37	The potential of paper-based diagnostics to meet the ASSURED criteria.. <i>RSC Advances</i> , 2018 , 8, 34012-34034	3.7	52
36	Inkjet technology for crystalline silicon photovoltaics. <i>Advanced Materials</i> , 2015 , 27, 599-626	24	49
35	An MRI receiver coil produced by inkjet printing directly on to a flexible substrate. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 482-7	11.7	41
34	Heteronuclear Micro-Helmholtz Coil Facilitates μ m-Range Spatial and Sub-Hz Spectral Resolution NMR of nL-Volume Samples on Customisable Microfluidic Chips. <i>PLoS ONE</i> , 2016 , 11, e0146384	3.7	38
33	Geometry optimization for planar piezoresistive stress sensors based on the pseudo-Hall effect. <i>Sensors and Actuators A: Physical</i> , 2006 , 127, 261-269	3.9	32
32	Wirelessly powered and remotely controlled valve-array for highly multiplexed analytical assay automation on a centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 214-223	11.8	27
31	Printing and preparation of integrated optical waveguides for optronic sensor networks. <i>Mechatronics</i> , 2016 , 34, 119-127	3	25
30	Fully automated chemiluminescence detection using an electrified-Lab-on-a-Disc (eLoaD) platform. <i>Lab on A Chip</i> , 2016 , 16, 4002-4011	7.2	25
29	Magnetic flux tailoring through Lenz lenses for ultrasmall samples: A new pathway to high-pressure nuclear magnetic resonance. <i>Science Advances</i> , 2017 , 3, eaao5242	14.3	24
28	Flexographic and Inkjet Printing of Polymer Optical Waveguides for Fully Integrated Sensor Systems. <i>Procedia Technology</i> , 2014 , 15, 521-529		24
27	Pyrolysis-induced shrinking of three-dimensional structures fabricated by two-photon polymerization: experiment and theoretical model. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 38	7.7	20
26	Electrifying the disk: a modular rotating platform for wireless power and data transmission for Lab on a disk application. <i>Lab on A Chip</i> , 2015 , 15, 2584-7	7.2	18
25	Vapour processed self-rolled poly(dimethylsiloxane) microcapillaries form microfluidic devices with engineered inner surface. <i>Lab on A Chip</i> , 2013 , 13, 3827-31	7.2	18
24	Elastic reversible valves on centrifugal microfluidic platforms. <i>Lab on A Chip</i> , 2019 , 19, 1090-1100	7.2	17

23	Solvent-free inkjet printing process for the fabrication of conductive, transparent, and flexible ionic liquid-polymer gel structures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 38-46	2.6	16
22	The eLoaD platform endows centrifugal microfluidics with on-disc power and communication. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 464-473	11.8	12
21	Functional screen printed radio frequency identification tags on flexible substrates, facilitating low-cost and integrated point-of-care diagnostics. <i>Flexible and Printed Electronics</i> , 2018 , 3, 025002	3.1	11
20	Laser-induced forward transfer of soft material nanolayers with millisecond pulses shows contact-based material deposition. <i>Applied Surface Science</i> , 2020 , 508, 144973	6.7	11
19	Microtransformer-Based Isolated Signal and Power Transmission. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3996-4004	7.2	10
18	Microarchitected Carbon Structures as Innovative Tissue-Engineering Scaffolds. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000083	3.5	9
17	Polyaramid-Based Flexible Antibacterial Coatings Fabricated Using Laser-Induced Carbonization and Copper Electroplating. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53193-53205	9.5	8
16	Wireless colorimetric readout to enable resource-limited point-of-care. <i>Lab on A Chip</i> , 2019 , 19, 3344-3353	5.2	6
15	Carbon fiber/microlattice 3D hybrid architecture as multi-scale scaffold for tissue engineering. <i>Materials Science and Engineering C</i> , 2021 , 126, 112140	8.3	6
14	Facile template-free synthesis of multifunctional 3D cellular carbon from edible rice paper.. <i>RSC Advances</i> , 2020 , 10, 16616-16628	3.7	4
13	Carbon-Based Materials for Articular Tissue Engineering: From Innovative Scaffolding Materials toward Engineered Living Carbon. <i>Advanced Healthcare Materials</i> , 2021 , e2101834	10.1	4
12	Load sensitive stable current source for complex precision pulsed electroplating. <i>Review of Scientific Instruments</i> , 2019 , 90, 104704	1.7	3
11	Integrated impedance sensing of liquid sample plug flow enables automated high throughput NMR spectroscopy. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 30	7.7	3
10	A universal and stand-alone datalogger for lab-on-a-disc applications 2016 ,		2
9	Siphon-Controlled Automation on a Lab-on-a-Disc Using Event-Triggered Dissolvable Film Valves. <i>Biosensors</i> , 2021 , 11,	5.9	2
8	Nano- and Microstructured Copper/Copper Oxide Composites on Laser-Induced Carbon for Enzyme-Free Glucose Sensors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 13747-13760	5.6	2
7	Conductive and transparent gel microstructures fabricated by inkjet printing of ionic liquid based fluids 2012 ,		1
6	Wall Microstructures of High Aspect Ratio Enabled by Near-Field Electrospinning. <i>Advanced Engineering Materials</i> , 2021 , 23, 2101740	3.5	1

5	Topologically optimized magnetic lens for magnetic resonance applications. <i>Magnetic Resonance</i> , 2020 , 1, 225-236	2.9	o
4	ArduiTAM: accurate and inexpensive NMR auto tune and match system. <i>Magnetic Resonance</i> , 2020 , 1, 105-113	2.9	o
3	Unraveling the dependency on multiple passes in laser-induced graphene electrodes for supercapacitor and H2O2 sensing. <i>Materials Science for Energy Technologies</i> , 2021 , 4, 407-412	5.2	o
2	Development and Experimental Assessment of a Model for the Material Deposition by Laser-Induced Forward Transfer. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1361	2.6	
1	Innovative Coil Fabrication Techniques for Miniaturized Magnetic Resonance Detectors. <i>Advanced Micro & Nanosystems</i> , 2018 , 109-141		