Dario Mager

List of Publications by Year in Descending Order

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	Development and Experimental Assessment of a Model for the Material Deposition by Laser-Induced Forward Transfer. *Applied Sciences (Switzerland)*, **2022**, 12, 1361	2.6	
39	Carbon-Based Materials for Articular Tissue Engineering: From Innovative Scaffolding Materials toward Engineered Living Carbon. *Advanced Healthcare Materials*, **2021**, e2101834	10.1	4
38	Siphon-Controlled Automation on a Lab-on-a-Disc Using Event-Triggered Dissolvable Film Valves. *Biosensors*, **2021**, 11,	5.9	2
37	Integrated impedance sensing of liquid sample plug flow enables automated high throughput NMR spectroscopy. *Microsystems and Nanoengineering*, **2021**, 7, 30	7.7	3
36	Unraveling the dependency on multiple passes in laser-induced graphene electrodes for supercapacitor and H2O2 sensing. *Materials Science for Energy Technologies*, **2021**, 4, 407-412	5.2	0
35	Carbon fiber/microlattice 3D hybrid architecture as multi-scale scaffold for tissue engineering. *Materials Science and Engineering C*, **2021**, 126, 112140	8.3	6
34	Nano- and Microstructured Copper/Copper Oxide Composites on Laser-Induced Carbon for Enzyme-Free Glucose Sensors. *ACS Applied Nano Materials*, **2021**, 4, 13747-13760	5.6	2
33	Facile template-free synthesis of multifunctional 3D cellular carbon from edible rice paper.. *RSC Advances*, **2020**, 10, 16616-16628	3.7	4
32	Microarchitectured Carbon Structures as Innovative Tissue-Engineering Scaffolds. *Advanced Engineering Materials*, **2020**, 22, 2000083	3.5	9
31	Topologically optimized magnetic lens for magnetic resonance applications. *Magnetic Resonance*, **2020**, 1, 225-236	2.9	0
30	ArduiTaM: accurate and inexpensive NMR auto tune and match system. *Magnetic Resonance*, **2020**, 1, 105-113	2.9	0
29	Laser-induced forward transfer of soft material nanolayers with millisecond pulses shows contact-based material deposition. *Applied Surface Science*, **2020**, 508, 144973	6.7	11
28	Polyaramid-Based Flexible Antibacterial Coatings Fabricated Using Laser-Induced Carbonization and Copper Electroplating. *ACS Applied Materials & Interfaces*, **2020**, 12, 53193-53205	9.5	8
27	Pyrolysis-induced shrinking of three-dimensional structures fabricated by two-photon polymerization: experiment and theoretical model. *Microsystems and Nanoengineering*, **2019**, 5, 38	7.7	20
26	Wireless colorimetric readout to enable resource-limited point-of-care. *Lab on A Chip*, **2019**, 19, 3344-3353	7.2	6
25	Elastic reversible valves on centrifugal microfluidic platforms. *Lab on A Chip*, **2019**, 19, 1090-1100	7.2	17
24	Load sensitive stable current source for complex precision pulsed electroplating. *Review of Scientific Instruments*, **2019**, 90, 104704	1.7	3

23	Functional screen printed radio frequency identification tags on flexible substrates, facilitating low-cost and integrated point-of-care diagnostics. *Flexible and Printed Electronics*, **2018**, 3, 025002	3.1	11
22	Wirelessly powered and remotely controlled valve-array for highly multiplexed analytical assay automation on a centrifugal microfluidic platform. *Biosensors and Bioelectronics*, **2018**, 109, 214-223	11.8	27
21	The eLoaD platform endows centrifugal microfluidics with on-disc power and communication. *Biosensors and Bioelectronics*, **2018**, 117, 464-473	11.8	12
20	The potential of paper-based diagnostics to meet the ASSURED criteria.. *RSC Advances*, **2018**, 8, 34012-34034	3.7	52
19	Innovative Coil Fabrication Techniques for Miniaturized Magnetic Resonance Detectors. *Advanced Micro & Nanosystems*, **2018**, 109-141		
18	Magnetic flux tailoring through Lenz lenses for ultrasmall samples: A new pathway to high-pressure nuclear magnetic resonance. *Science Advances*, **2017**, 3, eaao5242	14.3	24
17	A universal and stand-alone datalogger for lab-on-a-disc applications **2016**,		2
16	Printing and preparation of integrated optical waveguides for optronic sensor networks. *Mechatronics*, **2016**, 34, 119-127	3	25
15	CD-Based Microfluidics for Primary Care in Extreme Point-of-Care Settings. *Micromachines*, **2016**, 7,	3.3	67
14	Heteronuclear Micro-Helmholtz Coil Facilitates µm-Range Spatial and Sub-Hz Spectral Resolution NMR of nL-Volume Samples on Customisable Microfluidic Chips. *PLoS ONE*, **2016**, 11, e0146384	3.7	38
13	Fully automated chemiluminescence detection using an electrified-Lab-on-a-Disc (eLoaD) platform. *Lab on A Chip*, **2016**, 16, 4002-4011	7.2	25
12	Electrifying the disk: a modular rotating platform for wireless power and data transmission for Lab on a disk application. *Lab on A Chip*, **2015**, 15, 2584-7	7.2	18
11	Inkjet technology for crystalline silicon photovoltaics. *Advanced Materials*, **2015**, 27, 599-626	24	49
10	Flexographic and Inkjet Printing of Polymer Optical Waveguides for Fully Integrated Sensor Systems. *Procedia Technology*, **2014**, 15, 521-529		24
9	Vapour processed self-rolled poly(dimethylsiloxane) microcapillaries form microfluidic devices with engineered inner surface. *Lab on A Chip*, **2013**, 13, 3827-31	7.2	18
8	Conductive and transparent gel microstructures fabricated by inkjet printing of ionic liquid based fluids **2012**,		1
7	Microtransformer-Based Isolated Signal and Power Transmission. *IEEE Transactions on Power Electronics*, **2012**, 27, 3996-4004	7.2	10
6	Solvent-free inkjet printing process for the fabrication of conductive, transparent, and flexible ionic liquid-polymer gel structures. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 38-46	2.6	16

5	Printed electronics: the challenges involved in printing devices, interconnects, and contacts based on inorganic materials. *Journal of Materials Chemistry*, **2010**, 20, 8446		569
4	An MRI receiver coil produced by inkjet printing directly on to a flexible substrate. *IEEE Transactions on Medical Imaging*, **2010**, 29, 482-7	11.7	41
3	Inkjet printed, conductive, 25 μm wide silver tracks on unstructured polyimide. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 1626-1630	1.6	79
2	Geometry optimization for planar piezoresistive stress sensors based on the pseudo-Hall effect. *Sensors and Actuators A: Physical*, **2006**, 127, 261-269	3.9	32
1	Wall Microstructures of High Aspect Ratio Enabled by Near-Field Electrospinning. *Advanced Engineering Materials*,2101740	3.5	1