Carmela De Marco

List of Publications by Year
in descending order

24	1,209	516710 16	610901 24
papers	citations	h-index	g-index

26	26	26	1649
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smallâ€Scale Machines Driven by External Power Sources. Advanced Materials, 2018, 30, e1705061.	21.0	186
2	Magnetic cilia carpets with programmable metachronal waves. Nature Communications, 2020, 11, 2637.	12.8	172
3	MOFBOTS: Metalâ€“Organicâ€Frameworkâ€Based Biomedical Microrobots. Advanced Materials, 2019, 31, e1901592.	21.0	139
4	Surface Properties of Femtosecond Laser Ablated PMMA. ACS Applied Materials & Interfaces, 2010, 2, 2377-2384.	8.0	109
5	Surface-Chemistry-Mediated Control of Individual Magnetic Helical Microswimmers in a Swarm. ACS Nano, 2018, 12, 6210-6217.	14.6	97
6	Indirect 3D and 4D Printing of Soft Robotic Microstructures. Advanced Materials Technologies, 2019, 4, 1900332.	5.8	78
7	4D printing and robotics. Science Robotics, 2018, 3, .	17.6	66
8	Femtosecond laser microstructuring for polymeric labâ€onâ€chips. Journal of Biophotonics, 2012, 5, 687-702.	2.3	56
9	A Submillimeter Continuous Variable Stiffness Catheter for Compliance Control. Advanced Science, 2021, 8, e2101290.	11.2	45
10	Thermoset Shape Memory Polymer Variable Stiffness 4D Robotic Catheters. Advanced Science, 2022, 9, e2103277.	11.2	42
11	A New Perfluoropolyether-Based Hydrophobic and Chemically Resistant Photoresist Structured by Two-Photon Polymerization. Langmuir, 2013, 29, 426-431.	3.5	33
12	High-Fidelity Solvent-Resistant Replica Molding of Hydrophobic Polymer Surfaces Produced by Femtosecond Laser Nanofabrication. Langmuir, 2011, 27, 8391-8395.	3.5	26
13	CANDYBOTS: A New Generation of 3Dâ€Printed Sugarâ€Based Transient Smallâ€Scale Robots. Advanced Materials, 2020, 32, e2005652.	21.0	26
14	Solvent vapor treatment controls surface wettability in PMMA femtosecond-laser-ablated microchannels. Microfluidics and Nanofluidics, 2013, 14, 171-176.	2.2	22
15	Fine tuning and measurement of mechanical properties of crosslinked hyaluronic acid hydrogels as biomimetic scaffold coating in regenerative medicine. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 29, 309-316.	3.1	20
16	Templateâ€Assisted Electroforming of Fully Semiâ€Hardâ€Magnetic Helical Microactuators. Advanced Engineering Materials, 2018, 20, 1800179.	3.5	19
17	Ultraviolet-based bonding for perfluoropolyether low aspect-ratio microchannels and hybrid devices. Lab on A Chip, 2008, 8, 1394.	6.0	16
18	Femtosecond laser fabrication and characterization of microchannels and waveguides in methacrylate-based polymers. Microsystem Technologies, 2012, 18, 183-190.	2.0	15

#	Article	IF	Citations
19	Subâ€50â€nm Conjugated Polymer Dots by Nanoprinting. Small, 2008, 4, 1894-1899.	10.0	9
20	Organic Lightâ€Emitting Nanofibers by Solventâ€Resistant Nanofluidics. Advanced Materials, 2008, 20, 4158-4162.	21.0	8
21	Patterning photo-curable light-emitting organic composites by vertical and horizontal capillarity: a general route to photonic nanostructures. Nanotechnology, 2008, 19, 335301.	2.6	5
22	A biomimetic surface treatment to obtain durable omniphobic textiles. Journal of Applied Polymer Science, 2015, 132, .	2.6	3
23	Fabrication of biocompatible monolithic microchannels with high pressureâ€resistance using direct polymerization of PEGâ€modified PMMA. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
24	Femtosecond laser patterning and replication of PMMA for spatially tailored wettabilty in microfluidic channels. , 2011, , .		0