

Carmela De Marco

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,209
citations

516710

16
h-index

610901

24
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26
all docs

26
docs citations

26
times ranked

1649
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoset Shape Memory Polymer Variable Stiffness 4D Robotic Catheters. <i>Advanced Science</i> , 2022, 9, e2103277.	11.2	42
2	A Submillimeter Continuous Variable Stiffness Catheter for Compliance Control. <i>Advanced Science</i> , 2021, 8, e2101290.	11.2	45
3	CANDYBOTS: A New Generation of 3D-Printed Sugar-Based Transient Small-Scale Robots. <i>Advanced Materials</i> , 2020, 32, e2005652.	21.0	26
4	Magnetic cilia carpets with programmable metachronal waves. <i>Nature Communications</i> , 2020, 11, 2637.	12.8	172
5	Indirect 3D and 4D Printing of Soft Robotic Microstructures. <i>Advanced Materials Technologies</i> , 2019, 4, 1900332.	5.8	78
6	MOFBOTS: Metal-Organic Framework-Based Biomedical Microrobots. <i>Advanced Materials</i> , 2019, 31, e1901592.	21.0	139
7	Small-Scale Machines Driven by External Power Sources. <i>Advanced Materials</i> , 2018, 30, e1705061.	21.0	186
8	Surface-Chemistry-Mediated Control of Individual Magnetic Helical Microswimmers in a Swarm. <i>ACS Nano</i> , 2018, 12, 6210-6217.	14.6	97
9	Template-Assisted Electroforming of Fully Semi-Hard Magnetic Helical Microactuators. <i>Advanced Engineering Materials</i> , 2018, 20, 1800179.	3.5	19
10	4D printing and robotics. <i>Science Robotics</i> , 2018, 3, .	17.6	66
11	A biomimetic surface treatment to obtain durable omniphobic textiles. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	3
12	Fabrication of biocompatible monolithic microchannels with high pressure-resistance using direct polymerization of PEG-modified PMMA. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	1
13	Fine tuning and measurement of mechanical properties of crosslinked hyaluronic acid hydrogels as biomimetic scaffold coating in regenerative medicine. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 309-316.	3.1	20
14	A New Perfluoropolyether-Based Hydrophobic and Chemically Resistant Photoresist Structured by Two-Photon Polymerization. <i>Langmuir</i> , 2013, 29, 426-431.	3.5	33
15	Solvent vapor treatment controls surface wettability in PMMA femtosecond-laser-ablated microchannels. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 171-176.	2.2	22
16	Femtosecond laser microstructuring for polymeric lab-on-chips. <i>Journal of Biophotonics</i> , 2012, 5, 687-702.	2.3	56
17	Femtosecond laser fabrication and characterization of microchannels and waveguides in methacrylate-based polymers. <i>Microsystem Technologies</i> , 2012, 18, 183-190.	2.0	15
18	High-Fidelity Solvent-Resistant Replica Molding of Hydrophobic Polymer Surfaces Produced by Femtosecond Laser Nanofabrication. <i>Langmuir</i> , 2011, 27, 8391-8395.	3.5	26

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19	Femtosecond laser patterning and replication of PMMA for spatially tailored wettability in microfluidic channels. , 2011, , .		0
20	Surface Properties of Femtosecond Laser Ablated PMMA. ACS Applied Materials & Interfaces, 2010, 2, 2377-2384.	8.0	109
21	Sub-50 nm Conjugated Polymer Dots by Nanoprinting. Small, 2008, 4, 1894-1899.	10.0	9
22	Organic Light-Emitting Nanofibers by Solvent-Resistant Nanofluidics. Advanced Materials, 2008, 20, 4158-4162.	21.0	8
23	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
24	Ultraviolet-based bonding for perfluoropolyether low aspect-ratio microchannels and hybrid devices. Lab on A Chip, 2008, 8, 1394.	6.0	16