

Gianluca Trotta

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

224
citations

1307594

7
h-index

1588992

8
g-index

17
all docs

17
docs citations

17
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of the Digital Twin for in process monitoring of the micro injection moulding process quality. Computers in Industry, 2022, 135, 103568.	9.9	16
2	Prediction model of the depth of the femtosecond laser micro-milling of PMMA. Optics and Laser Technology, 2019, 120, 105713.	4.6	24
3	Plastic Lab-on-Chip for the Optical Manipulation of Single Cells. , 2019, , 339-363.		2
4	Disposable Optical Stretcher Fabricated by Microinjection Moulding. Micromachines, 2018, 9, 388.	2.9	15
5	Flexible micro manufacturing platform for the fabrication of PMMA microfluidic devices. Journal of Manufacturing Processes, 2018, 35, 107-117.	5.9	39
6	Fabrication and assembling of a microfluidic optical stretcher polymeric chip combining femtosecond laser and micro injection molding technologies. , 2017, , .		1
7	Replicating capability investigation of micro features in injection moulding process. Journal of Manufacturing Processes, 2017, 28, 351-361.	5.9	24
8	Rapid Prototyping of Plastic Lab-on-a-Chip by Femtosecond Laser Micromachining and Removable Insert Microinjection Molding. Micromachines, 2017, 8, 328.	2.9	21
9	Design and Fabrication of a Polymeric Microfilter for Medical Applications. Journal of Micro and Nano-Manufacturing, 2016, 4, .	0.7	7
10	Replication capability of micro injection moulding process for polymeric parts manufacturing. International Journal of Advanced Manufacturing Technology, 2013, 67, 1407-1421.	3.0	45
11	Effects of Process Parameters on the Properties of Replicated Polymeric Parts. , 2012, , .		0
12	THE MICRO INJECTION MOULDING PROCESS FOR POLYMERIC COMPONENTS MANUFACTURING. , 2012, , .		17
13	Micro Electro Discharge Milling of Freeform Micro-Features With High Aspect Ratio. , 2011, , .		4
14	Micro Injection Moulding Process and Product Characterization. , 2011, , .		1
15	Micro Injection Moulding of Polymeric Components. , 2011, , .		4
16	Fabrication Of Micro-Nozzles Via $\hat{1}/4$ -EDM Process. , 2011, , .		4