Alessio Bucciarelli

List of Publications by Year
in descending order

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27	432	759055 12	794469 19
papers	citations	h-index	g-index

29	29	29	275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploitation of response surface method for the optimization of RF-MEMS reconfigurable devices in view of future beyond-5G, 6G and super-IoT applications. Scientific Reports, 2022, 12, 3543.	1.6	6
2	Use of Bombyx mori silk fibroin in tissue engineering: From cocoons to medical devices, challenges, and future perspectives. , 2022, 139, 212982.		37
3	Comparative Study on the Effect of the Different Harvesting Sources of Demineralized Bone Particles on the Bone Regeneration of a Composite Gellan Gum Scaffold for Bone Tissue Engineering Applications. ACS Applied Bio Materials, 2021, 4, 1900-1911.	2.3	9
4	A Design of Experiment Rational Optimization of the Degumming Process and Its Impact on the Silk Fibroin Properties. ACS Biomaterials Science and Engineering, 2021, 7, 1374-1393.	2.6	41
5	Dataset of the Optimization of a Low Power Chemoresistive Gas Sensor: Predictive Thermal Modelling and Mechanical Failure Analysis. Data, 2021, 6, 30.	1.2	3
6	Release Behavior of Telmisartan/Amlodipine Combination Drug According to Polymer Type. Macromolecular Research, 2021, 29, 217-223.	1.0	1
7	Preparation and characterization of a soluble eggshell membrane/agarose composite scaffold with possible applications in cartilage regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 375-387.	1.3	15
8	Improvement of Medication Adherence and Controlled Drug Release by Optimized Acetaminophen Formulation. Macromolecular Research, 2021, 29, 342-350.	1.0	0
9	Molecularly Imprinted Silk Fibroin Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 31431-31439.	4.0	26
10	Plasmaâ€Assisted Deposition of Silk Fibroin on Different Surfaces. Advanced Materials Interfaces, 2021, 8, 2100324.	1.9	11
11	Imaging the Morphological Structure of Silk Fibroin Constructs through Fluorescence Energy Transfer and Confocal Microscopy. Electronic Materials, 2021, 2, 186-197.	0.9	3
12	Tidy dataset of the experimental design of the optimization of the alkali degumming process of Bombyx mori silk. Data in Brief, 2021, 38, 107294.	0.5	8
13	Micropatterning of Substrates for the Culture of Cell Networks by Stencil-Assisted Additive Nanofabrication. Micromachines, 2021, 12, 94.	1.4	2
14	Design of Experiment Rational Optimization of an Inkjet Deposition of Silver on Kapton. IEEE Sensors Journal, 2021, 21, 26304-26310.	2.4	7
15	Optimization of a Low-Power Chemoresistive Gas Sensor: Predictive Thermal Modelling and Mechanical Failure Analysis. Sensors, 2021, 21, 783.	2.1	23
16	A genipin crosslinked silk fibroin monolith by compression molding with recovering mechanical properties in physiological conditions. Cell Reports Physical Science, 2021, 2, 100605.	2.8	13
17	Alleviated Side Effects and Improved Efficiency of Omeprazole Using Oral Thin Film: In Vitro Evaluation. Macromolecular Research, 2020, 28, 417-424.	1.0	6
18	Sustained-Released Formulation of Nifedipine Solid Dispersion with Various Polymers. Macromolecular Research, 2020, 28, 553-557.	1.0	4

#	Article	IF	Citations
19	Natural Sources and Applications of Demineralized Bone Matrix in the Field of Bone and Cartilage Tissue Engineering. Advances in Experimental Medicine and Biology, 2020, 1249, 3-14.	0.8	15
20	Precise dot inkjet printing thought multifactorial statistical optimization of the piezoelectric actuator waveform. Flexible and Printed Electronics, 2020, 5, 045002.	1.5	16
21	Multivariable optimization of inkjet printing process of Ag nanoparticle ink on Kapton. , 2020, , .		9
22	A Thermalâ€Reflowâ€Based Lowâ€Temperature, Highâ€Pressure Sintering of Lyophilized Silk Fibroin for the Fast Fabrication of Biosubstrates. Advanced Functional Materials, 2019, 29, 1901134.	7.8	29
23	Preparation and Statistical Characterization of Tunable Porous Sponge Scaffolds using UV Cross-linking of Methacrylate-Modified Silk Fibroin. ACS Biomaterials Science and Engineering, 2019, 5, 6374-6388.	2.6	43
24	Processing keratin from camel hair and cashmere with ionic liquids. EXPRESS Polymer Letters, 2019, 13, 97-108.	1.1	25
25	A comparative study of the refractive index of silk protein thin films towards biomaterial based optical devices. Optical Materials, 2018, 78, 407-414.	1.7	47
26	Fabrication of Nanoscale Patternable Films of Silk Fibroin Using Benign Solvents. Macromolecular Materials and Engineering, 2017, 302, 1700110.	1.7	33
27	A Genipin Crosslinked Silk Fibroin Bulk Material by Compression Moulding with Self-Recovering Mechanical Properties in Physiological Conditions. SSRN Electronic Journal, 0, , .	0.4	0