

Alessio Bucciarelli

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

432
citations

759055

12
h-index

794469

19
g-index

29
all docs

29
docs citations

29
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of the refractive index of silk protein thin films towards biomaterial based optical devices. <i>Optical Materials</i> , 2018, 78, 407-414.	1.7	47
2	Preparation and Statistical Characterization of Tunable Porous Sponge Scaffolds using UV Cross-linking of Methacrylate-Modified Silk Fibroin. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6374-6388.	2.6	43
3	A Design of Experiment Rational Optimization of the Degumming Process and Its Impact on the Silk Fibroin Properties. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1374-1393.	2.6	41
4	Use of Bombyx mori silk fibroin in tissue engineering: From cocoons to medical devices, challenges, and future perspectives. , 2022, 139, 212982.		37
5	Fabrication of Nanoscale Patternable Films of Silk Fibroin Using Benign Solvents. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700110.	1.7	33
6	A Thermal-Ref flow-Based Low-Temperature, High-Pressure Sintering of Lyophilized Silk Fibroin for the Fast Fabrication of Biosubstrates. <i>Advanced Functional Materials</i> , 2019, 29, 1901134.	7.8	29
7	Molecularly Imprinted Silk Fibroin Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31431-31439.	4.0	26
8	Processing keratin from camel hair and cashmere with ionic liquids. <i>EXPRESS Polymer Letters</i> , 2019, 13, 97-108.	1.1	25
9	Optimization of a Low-Power Chemosensitive Gas Sensor: Predictive Thermal Modelling and Mechanical Failure Analysis. <i>Sensors</i> , 2021, 21, 783.	2.1	23
10	Precise dot inkjet printing through multifactorial statistical optimization of the piezoelectric actuator waveform. <i>Flexible and Printed Electronics</i> , 2020, 5, 045002.	1.5	16
11	Natural Sources and Applications of Demineralized Bone Matrix in the Field of Bone and Cartilage Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1249, 3-14.	0.8	15
12	Preparation and characterization of a soluble eggshell membrane/agarose composite scaffold with possible applications in cartilage regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 375-387.	1.3	15
13	A genipin crosslinked silk fibroin monolith by compression molding with recovering mechanical properties in physiological conditions. <i>Cell Reports Physical Science</i> , 2021, 2, 100605.	2.8	13
14	Plasma-Assisted Deposition of Silk Fibroin on Different Surfaces. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100324.	1.9	11
15	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. <i>ACS Applied Bio Materials</i> , 2021, 4, 1900-1911.	2.3	9
16	Multivariable optimization of inkjet printing process of Ag nanoparticle ink on Kapton. , 2020, , .		9
17	Tidy dataset of the experimental design of the optimization of the alkali degumming process of Bombyx mori silk. <i>Data in Brief</i> , 2021, 38, 107294.	0.5	8
18	Design of Experiment Rational Optimization of an Inkjet Deposition of Silver on Kapton. <i>IEEE Sensors Journal</i> , 2021, 21, 26304-26310.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Alleviated Side Effects and Improved Efficiency of Omeprazole Using Oral Thin Film: In Vitro Evaluation. <i>Macromolecular Research</i> , 2020, 28, 417-424.	1.0	6
20	Exploitation of response surface method for the optimization of RF-MEMS reconfigurable devices in view of future beyond-5G, 6G and super-IoT applications. <i>Scientific Reports</i> , 2022, 12, 3543.	1.6	6
21	Sustained-Released Formulation of Nifedipine Solid Dispersion with Various Polymers. <i>Macromolecular Research</i> , 2020, 28, 553-557.	1.0	4
22	Dataset of the Optimization of a Low Power Chemoresistive Gas Sensor: Predictive Thermal Modelling and Mechanical Failure Analysis. <i>Data</i> , 2021, 6, 30.	1.2	3
23	Imaging the Morphological Structure of Silk Fibroin Constructs through Fluorescence Energy Transfer and Confocal Microscopy. <i>Electronic Materials</i> , 2021, 2, 186-197.	0.9	3
24	Micropatterning of Substrates for the Culture of Cell Networks by Stencil-Assisted Additive Nanofabrication. <i>Micromachines</i> , 2021, 12, 94.	1.4	2
25	Release Behavior of Telmisartan/Amlodipine Combination Drug According to Polymer Type. <i>Macromolecular Research</i> , 2021, 29, 217-223.	1.0	1
26	A Genipin Crosslinked Silk Fibroin Bulk Material by Compression Moulding with Self-Recovering Mechanical Properties in Physiological Conditions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
27	Improvement of Medication Adherence and Controlled Drug Release by Optimized Acetaminophen Formulation. <i>Macromolecular Research</i> , 2021, 29, 342-350.	1.0	0