

Jakub Erben

List of Publications by Year in descending order

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21
papers

321
citations

840776

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839539

18
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21
all docs

21
docs citations

21
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of the electrospinning setup on the surface energy of polycaprolactone nanofibre layers. <i>Journal of Industrial Textiles</i> , 2022, 51, 8517S-8527S.	2.4	1
2	Biomimetic hierarchical nanofibrous surfaces inspired by superhydrophobic lotus leaf structure for preventing tissue adhesions. <i>Materials and Design</i> , 2022, 217, 110661.	7.0	25
3	Nanofibrous Online Solid-Phase Extraction Coupled with Liquid Chromatography for the Determination of Neonicotinoid Pesticides in River Waters. <i>Membranes</i> , 2022, 12, 648.	3.0	5
4	A PVDF electrospun antifibrotic composite for use as a glaucoma drainage implant. <i>Materials Science and Engineering C</i> , 2021, 119, 111637.	7.3	15
5	The effect of material and process parameters on the surface energy of polycaprolactone fibre layers. <i>Materials and Design</i> , 2021, 205, 109748.	7.0	17
6	The role of pKa, log P of analytes, and protein matrix in solid-phase extraction using native and coated nanofibrous and microfibrinous polymers prepared via meltblowing and combined meltblowing/electrospinning technologies. <i>Talanta</i> , 2021, 232, 122470.	5.5	4
7	Comparison study of nanofibers, composite nano/microfiber materials, molecularly imprinted polymers, and core-shell sorbents used for on-line extraction-liquid chromatography of ochratoxins in Tokaj wines. <i>Microchemical Journal</i> , 2021, 170, 106680.	4.5	8
8	Polycaprolactone Composite Micro/Nanofibrous Material as an Alternative to Restricted Access Media for Direct Extraction and Separation of Non-Steroidal Anti-Inflammatory Drugs from Human Serum Using Column-Switching Chromatography. <i>Nanomaterials</i> , 2021, 11, 2669.	4.1	4
9	Novel nanofibrous sorbents for the extraction and determination of resveratrol in wine. <i>Talanta</i> , 2020, 206, 120181.	5.5	10
10	3D-Printed Magnetic Stirring Cages for Semidispersive Extraction of Bisphenols from Water Using Polymer Micro- and Nanofibers. <i>Analytical Chemistry</i> , 2020, 92, 3964-3971.	6.5	21
11	Stenting to prevent esophageal stricture after circumferential endoscopic submucosal dissection: an experimental study. <i>Endoscopy International Open</i> , 2020, 08, E1698-E1706.	1.8	4
12	On-line polydopamine coating as a new way to functionalize polypropylene fiber sorbent for solid phase extraction. <i>Talanta</i> , 2020, 219, 121189.	5.5	3
13	Impact of Various Sterilization and Disinfection Techniques on Electrospun Poly- ϵ -caprolactone. <i>ACS Omega</i> , 2020, 5, 8885-8892.	3.5	36
14	ac Bubble Electrospinning Technology for Preparation of Nanofibrous Mats. <i>ACS Omega</i> , 2020, 5, 8268-8271.	3.5	12
15	Poly- ϵ -caprolactone Nanofibrous Polymers: A Simple Alternative to Restricted Access Media for Extraction of Small Molecules from Biological Matrixes. <i>Analytical Chemistry</i> , 2020, 92, 6801-6805.	6.5	11
16	Polycaprolactone nanofibers functionalized with a ϵ -dopamine coating for on-line solid phase extraction of bisphenols, betablockers, nonsteroidal drugs, and phenolic acids. <i>Mikrochimica Acta</i> , 2019, 186, 710.	5.0	20
17	Screening of extraction properties of nanofibers in a sequential injection analysis system using a 3D printed device. <i>Talanta</i> , 2019, 197, 517-521.	5.5	11
18	<i>In vitro</i> degradation and <i>in vivo</i> toxicity of NanoMatrix3D [®] polycaprolactone and poly(lactic acid) nanofibrous scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2200-2212.	4.0	20

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19	A comparison study of nanofiber, microfiber, and new composite nano/microfiber polymers used as sorbents for on-line solid phase extraction in chromatography system. <i>Analytica Chimica Acta</i> , 2018, 1023, 44-52.	5.4	42
20	The combination of meltblown technology and electrospinning – The influence of the ratio of micro and nanofibers on cell viability. <i>Materials Letters</i> , 2016, 173, 153-157.	2.6	17
21	The combination of meltblown and electrospinning for bone tissue engineering. <i>Materials Letters</i> , 2015, 143, 172-176.	2.6	35