

Jakub Erben

List of Publications by Year in descending order

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papers

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Impact of Various Sterilization and Disinfection Techniques on Electrospun Poly- $\hat{\mu}$ -caprolactone. <i>ACS Omega</i> , 2020, 5, 8885-8892. | 3.5 | 36 |
| 3 | The combination of meltblown and electrospinning for bone tissue engineering. <i>Materials Letters</i> , 2015, 143, 172-176. | 2.6 | 35 |
| 4 | 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 |
| 5 | 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 |
| 6 | <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 |
| 7 | Polycaprolactone nanofibers functionalized with a 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | ac Bubble Electrospinning Technology for Preparation of Nanofibrous Mats. <i>ACS Omega</i> , 2020, 5, 8268-8271. | 3.5 | 12 |
| 12 | 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 |
| 13 | Poly- $\hat{\mu}$ -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 |
| 14 | Novel nanofibrous sorbents for the extraction and determination of resveratrol in wine. <i>Talanta</i> , 2020, 206, 120181. | 5.5 | 10 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |