

Ekaterina Lengert

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Silver Alginate Hydrogel Micro- and Nanocontainers for Theranostics: Synthesis, Encapsulation, Remote Release, and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21949-21958.	4.0	60
2	Composite Magnetite and Protein Containing CaCO ₃ Crystals. External Manipulation and Vaterite \hat{a} ' Calcite Recrystallization-Mediated Release Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21315-21325.	4.0	59
3	A Simple Non-Invasive Approach toward Efficient Transdermal Drug Delivery Based on Biodegradable Particulate System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17270-17282.	4.0	51
4	Nanoparticles in Polyelectrolyte Multilayer Layer-by-Layer (LbL) Films and Capsules \hat{a} 'Key Enabling Components of Hybrid Coatings. <i>Coatings</i> , 2020, 10, 1131.	1.2	43
5	Hollow silver alginate microspheres for drug delivery and surface enhanced Raman scattering detection. <i>RSC Advances</i> , 2016, 6, 20447-20452.	1.7	38
6	Laser-induced remote release <i>in vivo</i> in <i>C. elegans</i> from novel silver nanoparticles-alginate hydrogel shells. <i>Nanoscale</i> , 2018, 10, 17249-17256.	2.8	34
7	Transdermal platform for the delivery of the antifungal drug naftifine hydrochloride based on porous vaterite particles. <i>Materials Science and Engineering C</i> , 2021, 119, 111428.	3.8	26
8	Effect of Systemic Polyelectrolyte Microcapsule Administration on the Blood Flow Dynamics of Vital Organs. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 389-397.	2.6	23
9	Mesoporous carriers for transdermal delivery of antifungal drug. <i>Materials Letters</i> , 2019, 248, 211-213.	1.3	18
10	Prospective Nanotechnology-Based Strategies for Enhanced Intra- and Transdermal Delivery of Antifungal Drugs. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 261-269.	1.1	17
11	Biodegradable polyelectrolyte/magnetite capsules for MR imaging and magnetic targeting of tumors. <i>Nanotheranostics</i> , 2021, 5, 362-377.	2.7	17
12	Optimized skin optical clearing for optical coherence tomography monitoring of encapsulated drug delivery through the hair follicles. <i>Journal of Biophotonics</i> , 2020, 13, e201960020.	1.1	16
13	Influence of the new formulation based on silver alginate microcapsules loaded with tannic acid on the microcirculation of the experimental periodontitis in rats. <i>Materials Science and Engineering C</i> , 2021, 126, 112144.	3.8	16
14	Freezing-Induced Loading of TiO ₂ into Porous Vaterite Microparticles: Preparation of CaCO ₃ /TiO ₂ Composites as Templates To Assemble UV-Responsive Microcapsules for Wastewater Treatment. <i>ACS Omega</i> , 2020, 5, 4115-4124.	1.6	13
15	Biocompatible Chitosan Nanofibers Functionalized with Silver Nanoparticles for SERS Based Detection. <i>Acta Physica Polonica A</i> , 2016, 129, 247-249.	0.2	11
16	Novel type of hollow hydrogel microspheres with magnetite and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 98, 1114-1121.	3.8	10
17	Microfluidic Synthesis and Analysis of Bioinspired Structures Based on CaCO ₃ for Potential Applications as Drug Delivery Carriers. <i>Pharmaceutics</i> , 2022, 14, 139.	2.0	9
18	Fluorescent Convertible Capsule Coding Systems for Individual Cell Labeling and Tracking. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19701-19709.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Polymeric and Lipid Membranesâ€”From Spheres to Flat Membranes and vice versa. <i>Membranes</i> , 2017, 7, 44.	1.4	7
20	Spectral Monitoring of Naftifine Immobilization into Submicron Vaterite Particles. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 126, 539-544.	0.2	7
21	Site-specific release of reactive oxygen species from ordered arrays of microchambers based on polylactic acid and carbon nanodots. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7977-7986.	2.9	7
22	Cellular Uptake Study of Antimycotic-Loaded Carriers Using Imaging Flow Cytometry and Confocal Laser Scanning Microscopy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2020, 128, 799-808.	0.2	6
23	CaCO ₃ -based carriers with prolonged release properties for antifungal drug delivery to hair follicles. <i>Biomaterials Science</i> , 2022, 10, 3323-3345.	2.6	5
24	The influence of Ca/Mg ratio on autogelation of hydrogel biomaterials with bioceramic compounds. <i>Materials Science and Engineering C</i> , 2022, 133, 112632.	3.8	4
25	Novel formulation of glucocorticoid based on silver alginate microcapsules for intraarticular drug delivery. <i>Materials Letters</i> , 2021, 288, 129339.	1.3	3
26	Conductive nanofibrous scaffolds for tissue engineering. <i>Izvestiya of Saratov University, New Series: Physics</i> , 2021, 21, 48-57.	0.1	1
27	Investigation of polyelectrolyte microcapsule aggregation in human blood. , 2019, , .		1
28	Effect of electric field pulses on the suspension of microcontainers based on organic polymer and magnetite nanoparticles. <i>Izvestiya of Saratov University, New Series: Physics</i> , 2021, 21, 206-212.	0.1	0
29	Electrically Induced Opening of Composite PLA/SWCNT Microchambers for Implantable Drug Depot Systems. <i>Izvestiya of Saratov University, New Series: Physics</i> , 2020, 20, 311-314.	0.1	0
30	Nanomedicine and Drug Delivery Strategies for Theranostics Applications. <i>Izvestiya of Saratov University, New Series: Physics</i> , 2020, 20, 116-124.	0.1	0
31	Experimental testing of tannic acid target delivery system for correcting periodontal microcirculation. <i>Saratov Medical Journal</i> , 2022, 3, .	0.0	0