

# Ekaterina S Prikhozhenko

## List of Publications by Year in descending order

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33  
papers

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citations

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33  
docs citations

33  
times ranked

724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoplasmonic Chitosan Nanofibers as Effective SERS Substrate for Detection of Small Molecules. ACS Applied Materials & Interfaces, 2015, 7, 15466-15473.	4.0	83
2	Flexible surface-enhanced Raman scattering-active substrates based on nanofibrous membranes. Nano Research, 2018, 11, 4468-4488.	5.8	40
3	Cells-Grab-on Particles: A Novel Approach to Control Cell Focal Adhesion on Hybrid Thermally Annealed Hydrogels. ACS Biomaterials Science and Engineering, 2020, 6, 3933-3944.	2.6	31
4	Luminescent carbon nanoparticles: synthesis, methods of investigation, applications. Russian Chemical Reviews, 2017, 86, 1157-1171.	2.5	30
5	Dispersion of optical and structural properties in gel column separated carbon nanoparticles. Carbon, 2018, 127, 541-547.	5.4	21
6	Target delivery of drug carriers in mice kidney glomeruli via renal artery. Balance between efficiency and safety. Journal of Controlled Release, 2021, 329, 175-190.	4.8	20
7	Carbon dot aggregates as an alternative to gold nanoparticles for the laser-induced opening of microchamber arrays. Soft Matter, 2018, 14, 9012-9019.	1.2	19
8	Patterned Drug-Eluting Coatings for Tracheal Stents Based on PLA, PLGA, and PCL for the Granulation Formation Reduction: In Vivo Studies. Pharmaceutics, 2021, 13, 1437.	2.0	19
9	New post-processing method of preparing nanofibrous SERS substrates with a high density of silver nanoparticles. RSC Advances, 2016, 6, 84505-84511.	1.7	18
10	Air-Filled Bubbles Stabilized by Gold Nanoparticle/Photodynamic Dye Hybrid Structures for Theranostics. Nanomaterials, 2021, 11, 415.	1.9	18
11	Polycaprolactone-Based, Porous CaCO <sub>3</sub> and Ag Nanoparticle Modified Scaffolds as a SERS Platform With Molecule-Specific Adsorption. Frontiers in Chemistry, 2019, 7, 888.	1.8	16
12	Air-Filled Microbubbles Based on Albumin Functionalized with Gold Nanocages and Zinc Phthalocyanine for Multimodal Imaging. Micromachines, 2021, 12, 1161.	1.4	15
13	Biocompatible Chitosan Nanofibers Functionalized with Silver Nanoparticles for SERS Based Detection. Acta Physica Polonica A, 2016, 129, 247-249.	0.2	11
14	Solvothermal synthesis of hydrophobic carbon dots in reversed micelles. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	10
15	Optical monitoring of adipose tissue destruction under encapsulated lipase action. Journal of Biophotonics, 2018, 11, e201800058.	1.1	10
16	Thermal carbonization in nanoscale reactors: controlled formation of carbon nanodots inside porous CaCO <sub>3</sub> microparticles. Scientific Reports, 2018, 8, 9394.	1.6	10
17	Impact of fluorescent dyes on the physicochemical parameters of microbubbles stabilized by albumin-dye complex. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129095.	2.3	10
18	Composite multilayer films based on polyelectrolytes and in situ formed carbon nanostructures with enhanced photoluminescence and conductivity properties. Journal of Applied Polymer Science, 2019, 136, 47718.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Lightsheet-based flow cytometer for whole blood with the ability for the magnetic retrieval of objects from the blood flow. <i>Biomedical Optics Express</i> , 2021, 12, 380.	1.5	9
20	Fluorescent Convertible Capsule Coding Systems for Individual Cell Labeling and Tracking. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19701-19709.	4.0	8
21	Effect of Size on Magnetic Polyelectrolyte Microcapsules Behavior: Biodistribution, Circulation Time, Interactions with Blood Cells and Immune System. <i>Pharmaceutics</i> , 2021, 13, 2147.	2.0	8
22	Optical coherence microangiography of the mouse kidney for diagnosis of circulatory disorders. <i>Biomedical Optics Express</i> , 2021, 12, 4467.	1.5	6
23	Live Cell Poration by Au Nanostars to Probe Intracellular Molecular Composition with SERS. <i>Nanomaterials</i> , 2021, 11, 2588.	1.9	6
24	Effect of Surface Modification of Multifunctional Nanocomposite Drug Delivery Carriers with DARPIn on Their Biodistribution <i>In Vitro</i> and <i>In Vivo</i> . <i>ACS Applied Bio Materials</i> , 0, , .	2.3	6
25	CaCO <sub>3</sub> -based carriers with prolonged release properties for antifungal drug delivery to hair follicles. <i>Biomaterials Science</i> , 2022, 10, 3323-3345.	2.6	5
26	Renal Artery Catheterization for Microcapsules™ Targeted Delivery to the Mouse Kidney. <i>Pharmaceutics</i> , 2022, 14, 1056.	2.0	5
27	Precise control of distance between plasmonic surface-enhanced Raman scattering substrate and analyte molecules with polyelectrolyte layers. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1581-1593.	1.2	4
28	Improving <i>SERS</i> bioimaging of subcutaneous phantom in vivo with optical clearing. <i>Journal of Biophotonics</i> , 2022, 15, e202100281.	1.1	4
29	Degradation of Hybrid Drug Delivery Carriers with a Mineral Core and a Protein-Tannin Shell under Proteolytic Hydrolases. <i>Biomimetics</i> , 2022, 7, 61.	1.5	4
30	Hybrid functional materials for tissue engineering: synthesis, in vivo drug release and SERS effect. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012150.	0.3	3
31	Dynamic blood flow phantom for in vivo liquid biopsy standardization. <i>Scientific Reports</i> , 2021, 11, 1185.	1.6	3
32	WPI Hydrogels with a Prolonged Drug-Release Profile for Antimicrobial Therapy. <i>Pharmaceutics</i> , 2022, 14, 1199.	2.0	3
33	Properties of Films Based on Nanosize and Submicrometer InSb Particles Passivated with CdS. <i>Technical Physics Letters</i> , 2020, 46, 1000-1003.	0.2	0