Mariia Uzhytchak

List of Publications by Year in descending order

21 papers	420 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	668 citing authors

#	Article	IF	Citations
1	The interactions between DNA nanostructures and cells: A critical overview from a cell biology perspective. Acta Biomaterialia, 2022, 146, 10-22.	8.3	10
2	Expression of Interferons Lambda 3 and 4 Induces Identical Response in Human Liver Cell Lines Depending Exclusively on Canonical Signaling. International Journal of Molecular Sciences, 2021, 22, 2560.	4.1	5
3	Protein Corona Inhibits Endosomal Escape of Functionalized DNA Nanostructures in Living Cells. ACS Applied Materials & Interfaces, 2021, 13, 46375-46390.	8.0	20
4	Light-induced modulation of the mitochondrial respiratory chain activity: possibilities and limitations. Cellular and Molecular Life Sciences, 2020, 77, 2815-2838.	5.4	29
5	Analyzing the mechanisms of iron oxide nanoparticles interactions with cells: A road from failure to success in clinical applications. Journal of Controlled Release, 2020, 328, 59-77.	9.9	72
6	Hepatic Tumor Cell Morphology Plasticity under Physical Constraints in 3D Cultures Driven by YAPâ€“mTOR Axis. Pharmaceuticals, 2020, 13, 430.	3.8	5
7	Critical Analysis of Non-Thermal Plasma-Driven Modulation of Immune Cells from Clinical Perspective. International Journal of Molecular Sciences, 2020, 21, 6226.	4.1	17
8	Functionalizable Antifouling Coatings as Tunable Platforms for the Stress-Driven Manipulation of Living Cell Machinery. Biomolecules, 2020, 10, 1146.	4.0	6
9	Ferromagnetic glass-coated microwires for cell manipulation. Journal of Magnetism and Magnetic Materials, 2020, 512, 166991.	2.3	8
10	Modulation of Living Cell Behavior with Ultraâ€Low Fouling Polymer Brush Interfaces. Macromolecular Bioscience, 2020, 20, e1900351.	4.1	13
11	Iron Oxide Nanoparticle-Induced Autophagic Flux Is Regulated by Interplay between p53-mTOR Axis and Bcl-2 Signaling in Hepatic Cells. Cells, 2020, 9, 1015.	4.1	25
12	Progressive lysosomal membrane permeabilization induced by iron oxide nanoparticles drives hepatic cell autophagy and apoptosis. Nano Convergence, 2020, 7, 17.	12.1	19
13	Preliminary Study of Ge-DLC Nanocomposite Biomaterials Prepared by Laser Codeposition. Nanomaterials, 2019, 9, 451.	4.1	9
14	Remote Actuation of Apoptosis in Liver Cancer Cells via Magneto-Mechanical Modulation of Iron Oxide Nanoparticles. Cancers, 2019, 11, 1873.	3.7	40
15	A Critical Review on Selected External Physical Cues and Modulation of Cell Behavior: Magnetic Nanoparticles, Non-thermal Plasma and Lasers. Journal of Functional Biomaterials, 2019, 10, 2.	4.4	16
16	Targeting the mTOR Signaling Pathway Utilizing Nanoparticles: A Critical Overview. Cancers, 2019, 11, 82.	3.7	34
17	Non-Thermal Plasma, as a New Physicochemical Source, to Induce Redox Imbalance and Subsequent Cell Death in Liver Cancer Cell Lines. Cellular Physiology and Biochemistry, 2019, 52, 119-140.	1.6	33
18	Laser irradiation induces mitochondrial dysfunction in hepatic cells. , 2019, , .		1

#	Article	IF	Citations
19	The least known European native crayfish Astacus pachypus (Rathke, 1837) revealed its phylogenetic position. Zoologischer Anzeiger, 2017, 267, 151-154.	0.9	12
20	The use of pulsed magnetic fields to increase the uptake of iron oxide nanoparticles by living cells. Applied Physics Letters, 2017, 111, .	3.3	19
21	Post-ovulatory and post-stripping oocyte ageing in northern pike, Esox lucius (Linnaeus, 1758), and its effect on egg viability rates and the occurrence of larval malformations and ploidy anomalies. Aquaculture, 2016, 450, 431-438.	3.5	27