

Kateřina Bartoř Tomřnkovř

List of Publications by Year in descending order

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26
papers

1,338
citations

471371

17
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

2765
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Trafficking of Cationic Carbon Dots in Cancer Cell Lines MCF-7 and HeLa—Time Lapse Microscopy, Concentration-Dependent Uptake, Viability, DNA Damage, and Cell Cycle Profile. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1077.	1.8	3
2	Self-Targeting of Carbon Dots into the Cell Nucleus: Diverse Mechanisms of Toxicity in NIH/3T3 and L929 Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5608.	1.8	22
3	Size-Selected Graphene Oxide Loaded with Photosensitizer (TMPyP) for Targeting Photodynamic Therapy In Vitro. <i>Processes</i> , 2020, 8, 251.	1.3	6
4	Carbon dots for in vivo fluorescence imaging of adipose tissue-derived mesenchymal stromal cells. <i>Carbon</i> , 2019, 152, 434-443.	5.4	49
5	Raman imaging of cellular uptake and studies of silver nanoparticles effect in BJ human fibroblasts cell lines. <i>International Journal of Pharmaceutics</i> , 2017, 528, 280-286.	2.6	15
6	Water-insoluble thin films from palmitoyl hyaluronan with tunable properties. <i>Carbohydrate Polymers</i> , 2016, 144, 68-75.	5.1	17
7	The effect of silver nanoparticles and silver ions on mammalian and plant cells in vitro. <i>Food and Chemical Toxicology</i> , 2016, 96, 50-61.	1.8	69
8	Effect of Porphyrin Sensitizer MgTPPS4 on Cytoskeletal System of HeLa Cell Line—Microscopic Study. <i>Cell Biochemistry and Biophysics</i> , 2016, 74, 419-425.	0.9	2
9	Toxicity of carbon dots — Effect of surface functionalization on the cell viability, reactive oxygen species generation and cell cycle. <i>Carbon</i> , 2016, 99, 238-248.	5.4	255
10	Adverse Phototoxic Effect of Essential Plant Oils on NIH 3T3 Cell Line after UV Light Exposure. <i>Central European Journal of Public Health</i> , 2016, 24, 234-240.	0.4	3
11	In vitro cytotoxicity analysis of doxorubicin-loaded/superparamagnetic iron oxide colloidal nanoassemblies on MCF7 and NIH3T3 cell lines. <i>International Journal of Nanomedicine</i> , 2015, 10, 949.	3.3	72
12	Reprint of: Cytotoxicity, cell uptake and microscopic analysis of titanium dioxide and silver nanoparticles in vitro. <i>Food and Chemical Toxicology</i> , 2015, 85, 20-30.	1.8	25
13	Cytotoxicity, cell uptake and microscopic analysis of titanium dioxide and silver nanoparticles in vitro. <i>Food and Chemical Toxicology</i> , 2015, 82, 106-115.	1.8	51
14	Characteristics of silver nanoparticles in vehicles for biological applications. <i>International Journal of Pharmaceutics</i> , 2015, 496, 878-885.	2.6	17
15	The effect of photodynamic treatment on the morphological and mechanical properties of the HeLa cell line. <i>General Physiology and Biophysics</i> , 2014, 32, 337-346.	0.4	8
16	The application of antimicrobial photodynamic therapy on <i>S. aureus</i> and <i>E. coli</i> using porphyrin photosensitizers bound to cyclodextrin. <i>Microbiological Research</i> , 2014, 169, 163-170.	2.5	101
17	Theranostics of Epitaxially Condensed Colloidal Nanocrystal Clusters, through a Soft Biomaterialization Route. <i>Chemistry of Materials</i> , 2014, 26, 2062-2074.	3.2	46
18	Cytotoxicity and Antioxidative Effects of Herbal and Fruit Extracts In Vitro. <i>Food Biophysics</i> , 2014, 9, 267-276.	1.4	6

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19	Study of photodynamic effects on NIH 3T3 cell line and bacteria. Biomedical Papers of the Medical Faculty of the University Palackyř; Olomouc, Czechoslovakia, 2014, 158, 201-207.	0.2	15
20	Comparing biocompatibility of gingival fibroblasts and bacterial strains on a different modified titanium discs. Journal of Biomedical Materials Research - Part A, 2013, 101, 2915-2924.	2.1	21
21	Surface design of core-shell superparamagnetic iron oxide nanoparticles drives record relaxivity values in functional MRI contrast agents. Chemical Communications, 2012, 48, 11398.	2.2	49
22	Photodynamic therapy for enhancing antitumour immunity. Biomedical Papers of the Medical Faculty of the University Palackyř; Olomouc, Czechoslovakia, 2012, 156, 93-102.	0.2	34
23	The targeted antibacterial and antifungal properties of magnetic nanocomposite of iron oxide and silver nanoparticles. Biomaterials, 2011, 32, 4704-4713.	5.7	286
24	Study of the Photodynamic Effect on the A549 Cell Line by Atomic Force Microscopy and the Influence of Green Tea Extract on the Production of Reactive Oxygen Species. Annals of the New York Academy of Sciences, 2009, 1171, 549-558.	1.8	10
25	Photodynamic and Sonodynamic Treatment by Phthalocyanine on Cancer Cell Lines. Ultrasound in Medicine and Biology, 2009, 35, 1397-1404.	0.7	67
26	Biochemical aspects of reactive oxygen species formation in the interaction between Lycopersicon spp. and Oidium neolycopersici. Physiological and Molecular Plant Pathology, 2006, 68, 22-32.	1.3	86