

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	The targeted antibacterial and antifungal properties of magnetic nanocomposite of iron oxide and silver nanoparticles. <i>Biomaterials</i> , 2011, 32, 4704-4713.	5.7	286
2	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
3	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
4	Biochemical aspects of reactive oxygen species formation in the interaction between <i>Lycopersicon</i> spp. and <i>Oidium neolycopersici</i> . <i>Physiological and Molecular Plant Pathology</i> , 2006, 68, 22-32.	1.3	86
5	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
6	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
7	Photodynamic and Sonodynamic Treatment by Phthalocyanine on Cancer Cell Lines. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 1397-1404.	0.7	67
8	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
9	Surface design of core-shell superparamagnetic iron oxide nanoparticles drives record relaxivity values in functional MRI contrast agents. <i>Chemical Communications</i> , 2012, 48, 11398.	2.2	49
10	Carbon dots for in vivo fluorescence imaging of adipose tissue-derived mesenchymal stromal cells. <i>Carbon</i> , 2019, 152, 434-443.	5.4	49
11	Theranostics of Epitaxially Condensed Colloidal Nanocrystal Clusters, through a Soft Biomineralization Route. <i>Chemistry of Materials</i> , 2014, 26, 2062-2074.	3.2	46
12	Photodynamic therapy for enhancing antitumour immunity. <i>Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia</i> , 2012, 156, 93-102.	0.2	34
13	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
14	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
15	Comparing biocompatibility of gingival fibroblasts and bacterial strains on a different modified titanium discs. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101, 2915-2924.	2.1	21
16	Characteristics of silver nanoparticles in vehicles for biological applications. <i>International Journal of Pharmaceutics</i> , 2015, 496, 878-885.	2.6	17
17	Water-insoluble thin films from palmitoyl hyaluronan with tunable properties. <i>Carbohydrate Polymers</i> , 2016, 144, 68-75.	5.1	17
18	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

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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 Palacký Olomouc, Czechoslovakia, 2014, 158, 201-207.	0.2	15
20	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
21	The effect of photodynamic treatment on the morphological and mechanical properties of the HeLa cell line. General Physiology and Biophysics, 2014, 32, 337-346.	0.4	8
22	Cytotoxicity and Antioxidative Effects of Herbal and Fruit Extracts In Vitro. Food Biophysics, 2014, 9, 267-276.	1.4	6
23	Size-Selected Graphene Oxide Loaded with Photosensitizer (TMPyP) for Targeting Photodynamic Therapy In Vitro. Processes, 2020, 8, 251.	1.3	6
24	Adverse Phototoxic Effect of Essential Plant Oils on NIH 3T3 Cell Line after UV Light Exposure. Central European Journal of Public Health, 2016, 24, 234-240.	0.4	3
25	Intracellular Trafficking of Cationic Carbon Dots in Cancer Cell Lines MCF-7 and HeLaâ€”Time Lapse Microscopy, Concentration-Dependent Uptake, Viability, DNA Damage, and Cell Cycle Profile. International Journal of Molecular Sciences, 2022, 23, 1077.	1.8	3
26	Effect of Porphyrin Sensitizer MgTPPS4 on Cytoskeletal System of HeLa Cell Lineâ€”Microscopic Study. Cell Biochemistry and Biophysics, 2016, 74, 419-425.	0.9	2