

Janez Å trancar

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

367
citations

933447

10
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Label EPR-Based Characterization of Biosystem Complexity. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 394-406.	5.4	71
2	Effects of physicochemical properties of TiO ₂ nanomaterials for pulmonary inflammation, acute phase response and alveolar proteinosis in intratracheally exposed mice. <i>Toxicology and Applied Pharmacology</i> , 2020, 386, 114830.	2.8	66
3	Protein Corona Prevents TiO ₂ Phototoxicity. <i>PLoS ONE</i> , 2015, 10, e0129577.	2.5	35
4	Nanoparticles Can Wrap Epithelial Cell Membranes and Relocate Them Across the Epithelial Cell Layer. <i>Nano Letters</i> , 2018, 18, 5294-5305.	9.1	27
5	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.	4.1	22
6	Bleaching-corrected fluorescence microspectroscopy with nanometer peak position resolution. <i>Optics Express</i> , 2013, 21, 25291.	3.4	18
7	Aggregation-induced emission spectral shift as a measure of local concentration of a pH-activatable rhodamine-based smart probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 486-493.	3.9	14
8	Prediction of Chronic Inflammation for Inhaled Particles: the Impact of Material Cycling and Quarantining in the Lung Epithelium. <i>Advanced Materials</i> , 2020, 32, e2003913.	21.0	14
9	Antibacterial activity of chemically versus enzymatic functionalized wool with É-poly-L-lysine. <i>Textile Reseach Journal</i> , 2017, 87, 1604-1619.	2.2	12
10	SDSL-ESR-based protein structure characterization. <i>European Biophysics Journal</i> , 2010, 39, 499-511.	2.2	11
11	Recovering position-dependent diffusion from biased molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2014, 140, 084109.	3.0	10
12	Surface deposited one-dimensional copper-doped TiO ₂ nanomaterials for prevention of health care acquired infections. <i>PLoS ONE</i> , 2018, 13, e0201490.	2.5	10
13	Coexistence of Probe Conformations in Lipid Phasesâ€”A Polarized Fluorescence Microspectroscopy Study. <i>Biophysical Journal</i> , 2013, 105, 919-927.	0.5	9
14	Animal and human dentin microstructure and elemental composition. <i>Open Medicine (Poland)</i> , 2014, 9, 468-476.	1.3	8
15	Internalization and Accumulation in Dendritic Cells of a Small pH-Activatable Glycomimetic Fluorescent Probe as Revealed by Spectral Detection. <i>ChemBioChem</i> , 2015, 16, 2660-2667.	2.6	7
16	Revealing Inflammatory Indications Induced by Titanium Alloy Wear Debris in Periprosthetic Tissue by Label-Free Correlative High-Resolution Ion, Electron and Optical Microspectroscopy. <i>Materials</i> , 2021, 14, 3048.	2.9	6
17	Aerosol-Cell Exposure System Applied to Semi-Adherent Cells for Aerosolization of Lung Surfactant and Nanoparticles Followed by High Quality RNA Extraction. <i>Nanomaterials</i> , 2022, 12, 1362.	4.1	6
18	Photocatalytic biocidal effect of copper doped TiO ₂ nanotube coated surfaces under laminar flow, illuminated with UVA light on <i>Legionella pneumophila</i> . <i>PLoS ONE</i> , 2020, 15, e0227574.	2.5	5

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19	Resolving Internal Motional Correlations to Complete the Conformational Entropy Meter. Journal of Physical Chemistry Letters, 2014, 5, 3593-3600.	4.6	3
20	Single cell temperature probed by Eu ⁺³ doped TiO ₂ nanoparticles luminescence. Nano Select, 2021, 2, 1208-1217.	3.7	3
21	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. International Journal of Molecular Sciences, 2022, 23, 1077.	4.1	3
22	How to control fluorescent labeling of metal oxide nanoparticles for artefact-free live cell microscopy. Nanotoxicology, 2021, 15, 1102-1123.	3.0	2
23	Spatially Resolved Temperature Distribution in a Rare-Earth-Doped Transparent Glass-Ceramic. Sensors, 2022, 22, 1970.	3.8	2
24	Characterization of blood coagulation dynamics and oxygenation in ex vivo retinal vessels by fluorescence hyperspectral imaging. Journal of Biophotonics, 2020, 13, e202000021.	2.3	1
25	Simulation Support to EPR-based Dentin Characterization. Applied Magnetic Resonance, 2010, 37, 751-761.	1.2	0
26	Method for controlled tissue theranostics using a single tunable laser source. Biomedical Optics Express, 2021, 12, 5881.	2.9	0
27	Disease Prediction: Prediction of Chronic Inflammation for Inhaled Particles: the Impact of Material Cycling and Quarantining in the Lung Epithelium (Adv. Mater. 47/2020). Advanced Materials, 2020, 32, .	21.0	0