

Hana Engstova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Poly(4-Styrenesulfonic Acid-co-maleic Anhydride)-Coated NaGdF ₄ :Yb,Tb,Nd Nanoparticles with Luminescence and Magnetic Properties for Imaging of Pancreatic Islets and β^2 -Cells. ACS Applied Materials & Interfaces, 2022, , .	8.0	3
2	Colloidally Stable P(DMA-AGME)-Ale-Coated Gd(Tb)F ₃ :Tb ³⁺ /(Gd ³⁺),Yb ³⁺ ,Nd ³⁺ Nanoparticles as a Multimodal Contrast Agent for Down- and Upconversion Luminescence, Magnetic Resonance Imaging, and Computed Tomography. Nanomaterials, 2021, 11, 230.	4.1	16
3	Poly(N,N-dimethylacrylamide)-coated upconverting NaYF ₄ :Yb,Er@NaYF ₄ :Nd core-shell nanoparticles for fluorescent labeling of carcinoma cells. Scientific Reports, 2021, 11, 21373.	3.3	4
4	Glucose-Induced Expression of DAPIT in Pancreatic β^2 -Cells. Biomolecules, 2020, 10, 1026.	4.0	5
5	Monodisperse Core-Shell NaYF ₄ :Yb ³⁺ /Er ³⁺ @NaYF ₄ :Nd ³⁺ -PEG-GGGRGDSSGGY-NH ₂ Nanoparticles Excitable at 808 and 980 nm: Design, Surface Engineering, and Application in Life Sciences. Frontiers in Chemistry, 2020, 8, 497.	3.6	18
6	Mitochondrial Superoxide Production Decreases on Glucose-Stimulated Insulin Secretion in Pancreatic β^2 Cells Due to Decreasing Mitochondrial Matrix NADH/NAD ⁺ Ratio. Antioxidants and Redox Signaling, 2020, 33, 789-815.	5.4	25
7	Mitochondrial cristae narrowing upon higher 2-oxoglutarate load. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 659-678.	1.0	31
8	Potential of Mitochondria-Targeted Antioxidants to Prevent Oxidative Stress in Pancreatic β^2 -cells. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-16.	4.0	30
9	3D super-resolution microscopy reflects mitochondrial cristae alternations and mtDNA nucleoid size and distribution. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 829-844.	1.0	37
10	Mitochondrial matrix H ₂ O ₂ release in INS-1E cells monitored by the H ₂ O ₂ -selective fluorescent probe Mito-HyPer. Free Radical Biology and Medicine, 2018, 128, S87.	2.9	0
11	Antioxidant mechanism of mitochondria-targeted plastoquinone SkQ1 is suppressed in aglycemic HepG2 cells dependent on oxidative phosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 750-762.	1.0	14
12	Biodistribution of upconversion/magnetic silica-coated NaGdF ₄ :Yb ³⁺ /Er ³⁺ nanoparticles in mouse models. RSC Advances, 2017, 7, 45997-46006.	3.6	21
13	Nrx6.1 decline accompanies mitochondrial DNA reduction but subtle nucleoid size decrease in pancreatic islet β^2 -cells of diabetic Goto Kakizaki rats. Scientific Reports, 2017, 7, 15674.	3.3	12
14	Superoxide Generation, Bioenergetics Parameters, and Mitochondrial Morphology in Insulinoma INS-1E Cells upon Glucose Addition and ATPase Inhibitory Factor (IF1) Knockdown. Free Radical Biology and Medicine, 2017, 112, 150.	2.9	0
15	NaYF ₄ :Yb ³⁺ /Er ³⁺ Upconversion Nanoparticles for Infrared Photodynamic Therapy of Tumors. Biophysical Journal, 2016, 110, 652a.	0.5	0
16	RGDS- and TAT-Conjugated Upconversion of NaYF ₄ :Yb ³⁺ /Er ³⁺ &SiO ₂ Nanoparticles: In Vitro Human Epithelioid Cervix Carcinoma Cellular Uptake, Imaging, and Targeting. ACS Applied Materials & Interfaces, 2016, 8, 20422-20431.	8.0	36
17	Large scale preparation of up- converting YF ₃ :YbEr nanocrystals with various sizes by solvothermal syntheses using ionic liquid bmimCl. Journal of Fluorine Chemistry, 2016, 188, 14-17.	1.7	4
18	Hypoxic HepG2 cell adaptation decreases ATP synthase dimers and ATP production in inflated cristae by mitofilin down-regulation concomitant to MICOS clustering. FASEB Journal, 2016, 30, 1941-1957.	0.5	35

#	ARTICLE	IF	CITATIONS
19	Silica-coated upconversion lanthanide nanoparticles: The effect of crystal design on morphology, structure and optical properties. Beilstein Journal of Nanotechnology, 2015, 6, 2290-2299.	2.8	11
20	Tunable rapid microwave synthesis of up-converting hexagonal NaYxGdyYbzEr(1-x-y-z)F4 nanocrystals in large quantity. Journal of Fluorine Chemistry, 2015, 178, 56-60.	1.7	9
21	Distribution of mitochondrial DNA nucleoids inside the linear tubules vs. bulk parts of mitochondrial network as visualized by 4Pi microscopy. Journal of Bioenergetics and Biomembranes, 2015, 47, 255-263.	2.3	12
22	Silica-modified monodisperse hexagonal lanthanide nanocrystals: synthesis and biological properties. Nanoscale, 2015, 7, 18096-18104.	5.6	34
23	Natural and Azido Fatty Acids Inhibit Phosphate Transport and Activate Fatty Acid Anion Uniport Mediated by the Mitochondrial Phosphate Carrier. Journal of Biological Chemistry, 2001, 276, 4683-4691.	3.4	18
24	Fatty acid cycling mechanism and mitochondrial uncoupling proteins. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 319-327.	1.0	177