

Sushant Singh

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

883
citations

566801

15
h-index

500791

28
g-index

34
all docs

34
docs citations

34
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	Ameliorating hydroxychloroquine induced retinal toxicity through cerium oxide nanoparticle treatments. <i>Journal of Biomaterials Applications</i> , 2022, 36, 1033-1041.	1.2	6
2	Cerium oxide nanoparticle conjugation to microRNA-146a mechanism of correction for impaired diabetic wound healing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 40, 102483.	1.7	28
3	ALD based nanostructured zinc oxide coated antiviral silk fabric. <i>RSC Advances</i> , 2022, 12, 19327-19339.	1.7	9
4	Characterization of a nitric oxide (NO) donor molecule and cerium oxide nanoparticle (CNP) interactions and their synergistic antimicrobial potential for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 163-177.	5.0	33
5	Cerium oxide nanomaterial with dual antioxidative scavenging potential: Synthesis and characterization. <i>Journal of Biomaterials Applications</i> , 2021, 36, 834-842.	1.2	16
6	Engineered nanoceria modulate neutrophil oxidative response to low doses of γ radiation through the inhibition of reactive oxygen species production. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2570-2579.	2.1	12
7	Cerium oxide nanoparticle delivery of microRNA-146a for local treatment of acute lung injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 34, 102388.	1.7	26
8	Lung function improves after delayed treatment with CNP-miR146a following acute lung injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 40, 102498.	1.7	5
9	Injectable, self-healable zwitterionic cryogels with sustained microRNA - cerium oxide nanoparticle release promote accelerated wound healing. <i>Acta Biomaterialia</i> , 2020, 101, 262-272.	4.1	74
10	Strain specific differences in muscle Ca ²⁺ transport and mitochondrial electron transport proteins between FVB/N and C57BL/6J mice. <i>Journal of Experimental Biology</i> , 2020, 224, .	0.8	2
11	Nanosilk Increases the Strength of Diabetic Skin and Delivers CNP-miR146a to Improve Wound Healing. <i>Frontiers in Immunology</i> , 2020, 11, 590285.	2.2	31
12	Ceria Nanoparticles Decrease UVA-Induced Fibroblast Death Through Cell Redox Regulation Leading to Cell Survival, Migration and Proliferation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 577557.	2.0	25
13	Silk fibroin nanofibrous mats for visible sensing of oxidative stress in cutaneous wounds. <i>Biomaterials Science</i> , 2020, 8, 5900-5910.	2.6	16
14	Antioxidative photochemoprotector effects of cerium oxide nanoparticles on UVB irradiated fibroblast cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111013.	2.5	17
15	Exposure to nanoceria impacts larval survival, life history traits and fecundity of <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008654.	1.3	9
16	Ceria Nanoparticles Mitigate the Iron Oxidative Toxicity of Human Retinal Pigment Epithelium. <i>Cureus</i> , 2020, 12, e9675.	0.2	2
17	Antioxidant properties of ALD grown nanoceria films with tunable valency. <i>Biomaterials Science</i> , 2019, 7, 3051-3061.	2.6	20
18	Microsensor for limonin detection: An indicator of citrus greening disease. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 724-730.	4.0	16

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19	Use of Cerium Oxide Nanoparticles Conjugated with MicroRNA-146a to Correct the Diabetic Wound Healing Impairment. <i>Journal of the American College of Surgeons</i> , 2019, 228, 107-115.	0.2	99
20	Cerium oxide nanoparticles at the nano-bio interface: size-dependent cellular uptake. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 956-963.	1.9	38
21	Role of SERCA Pump in Muscle Thermogenesis and Metabolism. , 2017, 7, 879-890.		65
22	Both brown adipose tissue and skeletal muscle thermogenesis processes are activated during mild to severe cold adaptation in mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 16616-16625.	1.6	96
23	Membrane Biophysics. , 2017, , 183-204.		3
24	Increased Reliance on Muscle-based Thermogenesis upon Acute Minimization of Brown Adipose Tissue Function. <i>Journal of Biological Chemistry</i> , 2016, 291, 17247-17257.	1.6	78
25	Multiwalled Carbon Nanotube-Superoxide Dismutase Conjugate Towards Alleviating Induced Oxidative Stress. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 171-177.	0.9	10
26	Sarcolipin. , 2016, , 1-5.		0
27	Procerain B, a cysteine protease from <i>Calotropis procera</i> , requires N-terminus pro-region for activity: cDNA cloning and expression with pro-sequence. <i>Protein Expression and Purification</i> , 2014, 103, 16-22.	0.6	7
28	Biodegradable Polycaprolactone (PCL) Nanosphere Encapsulating Superoxide Dismutase and Catalase Enzymes. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1545-1558.	1.4	16
29	Immobilization of Procerain B, a Cysteine Endopeptidase, on Amberlite MB-150 Beads. <i>PLoS ONE</i> , 2013, 8, e66000.	1.1	9
30	A Novel Superoxide Dismutase from <i>Cicer arietinum</i> L. Seedlings: Isolation, Purification and Characterization. <i>Protein and Peptide Letters</i> , 2013, 20, 741-748.	0.4	9
31	Effectivity of anti-oxidative enzymatic system on diminishing the oxidative stress induced by aluminium in chickpea (<i>Cicer arietinum</i> L.) seedlings. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 47-54.	0.5	17
32	Glutaraldehyde-Activated Chitosan Matrix for Immobilization of a Novel Cysteine Protease, Procerain B. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6256-6262.	2.4	88