

Rakesh Kumar Majhi

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

694
citations

758635

12
h-index

610482

24
g-index

30
all docs

30
docs citations

30
times ranked

1126
citing authors

#	ARTICLE	IF	CITATIONS
1	Polysaccharide-capped silver Nanoparticles inhibit biofilm formation and eliminate multi-drug-resistant bacteria by disrupting bacterial cytoskeleton with reduced cytotoxicity towards mammalian cells. <i>Scientific Reports</i> , 2016, 6, 24929.	1.6	163
2	Functional expression of TRPV channels in T cells and their implications in immune regulation. <i>FEBS Journal</i> , 2015, 282, 2661-2681.	2.2	96
3	Carbohydrate-Coated Gold-Silver Nanoparticles for Efficient Elimination of Multidrug Resistant Bacteria and <i>In Vivo</i> Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42998-43017.	4.0	59
4	Influence of membrane cholesterol in the molecular evolution and functional regulation of TRPV4. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 312-319.	1.0	47
5	Thermosensitive ion channel TRPV1 is endogenously expressed in the sperm of a fresh water teleost fish (<i>Labeo rohita</i>) and regulates sperm motility. <i>Channels</i> , 2013, 7, 483-492.	1.5	41
6	TRPV4 is endogenously expressed in vertebrate spermatozoa and regulates intracellular calcium in human sperm. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 781-788.	1.0	37
7	Transient receptor potential ankyrin1 channel is endogenously expressed in T cells and is involved in immune functions. <i>Bioscience Reports</i> , 2019, 39, .	1.1	37
8	Regulation of TRP channels by steroids: Implications in physiology and diseases. <i>General and Comparative Endocrinology</i> , 2015, 220, 23-32.	0.8	27
9	Expression of temperature-sensitive ion channel TRPM8 in sperm cells correlates with vertebrate evolution. <i>PeerJ</i> , 2015, 3, e1310.	0.9	26
10	Antibacterial Efficacy of Polysaccharide Capped Silver Nanoparticles Is Not Compromised by AcrAB-TolC Efflux Pump. <i>Frontiers in Microbiology</i> , 2018, 9, 823.	1.5	25
11	Ag@ZnO Nanoparticles Induce Antimicrobial Peptides and Promote Migration and Antibacterial Activity of Keratinocytes. <i>ACS Infectious Diseases</i> , 2021, 7, 2068-2072.	1.8	16
12	A Modified Polysaccharide-Based Hydrogel for Enhanced Osteogenic Maturation and Mineralization Independent of Differentiation Factors. <i>Macromolecular Bioscience</i> , 2017, 17, 1600268.	2.1	14
13	TRPM8 channel augments cell activation and proliferation. <i>Cell Biology International</i> , 2021, 45, 198-210.	1.4	13
14	TRPM8 channel inhibitor-encapsulated hydrogel as a tunable surface for bone tissue engineering. <i>Scientific Reports</i> , 2021, 11, 3730.	1.6	12
15	TRPA1 is selected as a semi-conserved channel during vertebrate evolution due to its involvement in spermatogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 295-302.	1.0	11
16	Acrylic acid grafted tamarind kernel polysaccharide-based hydrogel for bone tissue engineering in absence of any osteo-inducing factors. <i>Connective Tissue Research</i> , 2018, 59, 111-121.	1.1	10
17	Light and electron microscopic study of mature spermatozoa from White Pekin duck (<i>Anas</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	9
18	Differential expression and localization of TRPV channels in the mature sperm of <i>Anas platyrhynchos</i> . <i>Reproduction in Domestic Animals</i> , 2020, 55, 1619-1628.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Right time - right location - right move: TRPs find motors for common functions. Channels, 2011, 5, 375-381.	1.5	8
20	TRPV1 channel as the membrane vitamin D receptor: solving part of the puzzle. Journal of Physiology, 2020, 598, 5601-5603.	1.3	7
21	Comparative evaluation of surface-modified zirconia for the growth of bone cells and early osseointegration. Journal of Prosthetic Dentistry, 2021, 126, 92.e1-92.e8.	1.1	6
22	Metformin strengthens uroepithelial immunity against E. coli infection. Scientific Reports, 2021, 11, 19263.	1.6	6
23	Hydrogel-Mediated Release of TRPV1 Modulators to Fine Tune Osteoclastogenesis. ACS Omega, 2022, 7, 9537-9550.	1.6	5
24	Insulin sensitizes mechanosensitive ion channels, which aggravates pain. Journal of Physiology, 2020, 598, 19-21.	1.3	1
25	TRPV1 Activators (â€œVanilloidsâ€) as Neurotoxins. , 2014, , 611-636.		1
26	TRPV1 AS A MODULATOR OF ROS-INDUCED SPERM FUNCTION AND ITS CORRELATION WITH PREGNANCY OUTCOME (NATURAL CONCEPTION AND ART). Fertility and Sterility, 2020, 114, e380.	0.5	0