

Nishant Chakravorty

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

512
citations

759055

12
h-index

713332

21
g-index

36
all docs

36
docs citations

36
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of oral dydrogesterone with progesterone gel and micronized progesterone for luteal support in 1,373 women undergoing in vitro fertilization: a randomized clinical study. <i>Fertility and Sterility</i> , 2011, 95, 1961-1965.	0.5	61
2	The microRNA expression signature on modified titanium implant surfaces influences genetic mechanisms leading to osteogenic differentiation. <i>Acta Biomaterialia</i> , 2012, 8, 3516-3523.	4.1	52
3	Pro-osteogenic topographical cues promote early activation of osteoprogenitor differentiation via enhanced $\text{TGF}\beta^2$, Wnt , and Notch signaling. <i>Clinical Oral Implants Research</i> , 2014, 25, 475-486.	1.9	50
4	Biomimetic silk fibroin and xanthan gum blended hydrogels for connective tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 874-882.	3.6	43
5	miRwayDB: a database for experimentally validated microRNA-pathway associations in pathophysiological conditions. <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	1.4	35
6	Lithium release from β -tricalcium phosphate inducing cementogenic and osteogenic differentiation of both hPDLs and hBMSCs. <i>Biomaterials Science</i> , 2014, 2, 1230.	2.6	33
7	Emotion Recognition from EEG Signal using XGBoost Algorithm. , 2019, , .		29
8	Curcumin Extraction, Isolation, Quantification and Its Application in Functional Foods: A Review With a Focus on Immune Enhancement Activities and COVID-19. <i>Frontiers in Nutrition</i> , 2021, 8, 747956.	1.6	26
9	Targeted Drug Delivery from Titanium Implants: A Review of Challenges and Approaches. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1251, 1-17.	0.8	23
10	Alteration of the C-Terminal Ligand Specificity of the Erbin PDZ Domain by Allosteric Mutational Effects. <i>Journal of Molecular Biology</i> , 2014, 426, 3500-3508.	2.0	17
11	Identification of deleterious SNPs and their effects on BCL11A, the master regulator of fetal hemoglobin expression. <i>Genomics</i> , 2020, 112, 397-403.	1.3	17
12	Decrypting the role of predicted SARS-CoV-2 miRNAs in COVID-19 pathogenesis: A bioinformatics approach. <i>Computers in Biology and Medicine</i> , 2021, 136, 104669.	3.9	16
13	miRalyze: an interactive database linking tool to unlock intuitive microRNA regulation of cell signaling pathways. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	13
14	MicroRNA expression patterns in HbE/ β -thalassemia patients: The passwords to unlock fetal hemoglobin expression in β -hemoglobinopathies. <i>Blood Cells, Molecules, and Diseases</i> , 2021, 87, 102523.	0.6	13
15	Prediction of survival outcome based on clinical features and pretreatment 18FDG-PET/CT for HNSCC patients. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 195, 105669.	2.6	11
16	Diseases and their clinical heterogeneity – Are we ignoring the SNiPers and micRomaNAgers? An illustration using Beta-thalassemia clinical spectrum and fetal hemoglobin levels. <i>Genomics</i> , 2019, 111, 67-75.	1.3	8
17	Extensive early mineralization of pre-osteoblasts, inhibition of osteoclastogenesis and faster peri-implant bone healing in osteoporotic rat model: principle effectiveness of bone-specific delivery of Tibolone as evaluated in vitro and in vivo. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 064102.	1.7	8
18	Revisiting fetal hemoglobin inducers in beta-hemoglobinopathies: a review of natural products, conventional and combinatorial therapies. <i>Molecular Biology Reports</i> , 2022, 49, 2359-2373.	1.0	7

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19	Integrative microRNA and gene expression analysis identifies new drug repurposing candidates for fetal hemoglobin induction in β^2 -hemoglobinopathies. <i>Gene</i> , 2019, 706, 77-83.	1.0	6
20	Computational pharmacokinetics and in <i>in vitro</i> - <i>in vivo</i> correlation of anti-diabetic synergistic phyto-composite blend. <i>World Journal of Diabetes</i> , 2015, 6, 1179.	1.3	5
21	Plasma therapy: a passive resistance against the deadliest. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-10.	1.4	5
22	A reductionist approach to extract robust molecular markers from microarray data series – Isolating markers to track osseointegration. <i>Journal of Biomedical Informatics</i> , 2017, 68, 104-111.	2.5	4
23	Computer Aided Diagnosis: Approaches to Automate Hematological Tests. <i>Studies in Systems, Decision and Control</i> , 2021, , 111-134.	0.8	4
24	Identification of severity and passive measurement of oxidative stress biomarkers for β^2 -thalassemia patients: K-means, random forest, XGBoost, decision tree, neural network based novel framework. <i>Advances in Redox Research</i> , 2022, 5, 100034.	0.9	4
25	Natural Polymeric Hydrogels in Chondral/Osteochondral Tissue Engineering. , 2022, , 758-776.		3
26	Implant Surface Modifications and Osseointegration. <i>Springer Series in Biomaterials Science and Engineering</i> , 2017, , 107-131.	0.7	3
27	Mesenchymal Stem Cells and Nano-structured Surfaces. <i>Methods in Molecular Biology</i> , 2013, 1058, 133-148.	0.4	2
28	Understanding the awareness, perception and practices of community healthcare workers for high risk antenatal cases: A survey conducted in India. <i>Clinical Epidemiology and Global Health</i> , 2021, 10, 100710.	0.9	2
29	Silk Fibroin-Based Biomaterials in Biomedical Applications. , 2022, , 203-244.		2
30	Non-coding RNAs: the silent regulators of health and diseases. <i>Molecular Biology Reports</i> , 2022, 49, 6971-6973.	1.0	2
31	Exploring the crosstalk between long non-coding RNAs and microRNAs to unravel potential prognostic and therapeutic biomarkers in β^2 -thalassemia. <i>Molecular Biology Reports</i> , 2022, 49, 7057-7068.	1.0	2
32	Parameter Optimization Of Injectable Polycaprolactone Microspheres Containing Curcumin Using Response Surface Methodology. , 2018, 2018, 147-150.		1
33	Role of malonaldehyde as a surrogate biomarker for iron overload in the β^2 -thalassemia patient: A systematic meta-analysis. <i>Advances in Redox Research</i> , 2021, 3, 100017.	0.9	1
34	Genetic Disorders, Genotyping Techniques and the Emerging Role of Tetra-ARMS-PCR as a Diagnostic Tool. <i>Resonance</i> , 2021, 26, 1229-1240.	0.2	0