

Bijan K Dey

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,260
citations

623734

14
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

3889
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-24-3p promotes skeletal muscle differentiation and regeneration by regulating HMGA1. Cellular and Molecular Life Sciences, 2022, 79, 170.	5.4	6
2	Determining the stages of cellular differentiation using deep ultraviolet resonance Raman spectroscopy. Talanta, 2021, 227, 122164.	5.5	6
3	Sequence-selective purification of biological RNAs using DNA nanoswitches. Cell Reports Methods, 2021, 1, 100126.	2.9	5
4	Diagnosis of a model of Duchenne muscular dystrophy in blood serum of mdx mice using Raman hyperspectroscopy. Scientific Reports, 2020, 10, 11734.	3.3	9
5	Exceptional Nuclease Resistance of Paranemic Crossover (PX) DNA and Crossover-Dependent Biostability of DNA Motifs. Journal of the American Chemical Society, 2020, 142, 6814-6821.	13.7	54
6	How to Perform miRacles: A Step-by-Step microRNA Detection Protocol Using DNA Nanoswitches. Current Protocols in Molecular Biology, 2020, 130, e114.	2.9	7
7	DNA nanotechnology approaches for microRNA detection and diagnosis. Nucleic Acids Research, 2019, 47, 10489-10505.	14.5	92
8	Cellular microRNA detection with miRacles: microRNA- activated conditional looping of engineered switches. Science Advances, 2019, 5, eaau9443.	10.3	66
9	Deep-Ultraviolet Raman Spectroscopy for Cancer Diagnostics: A Feasibility Study with Cell Lines and Tissues. Cancer Studies and Molecular Medicine: Open Journal, 2019, 5, 1-10.	0.5	9
10	MUNC, a Long Noncoding RNA That Facilitates the Function of MyoD in Skeletal Myogenesis. Molecular and Cellular Biology, 2015, 35, 498-513.	2.3	125
11	Long non-coding RNAs as emerging regulators of differentiation, development, and disease. Transcription, 2014, 5, e944014.	3.1	287
12	The <i>H19</i> long noncoding RNA gives rise to microRNAs miR-675-3p and miR-675-5p to promote skeletal muscle differentiation and regeneration. Genes and Development, 2014, 28, 491-501.	5.9	432
13	miR-26a is required for skeletal muscle differentiation and regeneration in mice. Genes and Development, 2012, 26, 2180-2191.	5.9	200
14	Non-micro-short RNAs: the new kids on the block. Molecular Biology of the Cell, 2012, 23, 4664-4667.	2.1	7
15	Notch3 and Mef2c Proteins Are Mutually Antagonistic via Mkp1 Protein and miR-1/206 MicroRNAs in Differentiating Myoblasts. Journal of Biological Chemistry, 2012, 287, 40360-40370.	3.4	87
16	MicroRNAs regulate and provide robustness to the myogenic transcriptional network. Current Opinion in Pharmacology, 2012, 12, 383-388.	3.5	34
17	MicroRNA-378 Targets the Myogenic Repressor MyoR during Myoblast Differentiation. Journal of Biological Chemistry, 2011, 286, 19431-19438.	3.4	147
18	miR-206 and -486 Induce Myoblast Differentiation by Downregulating Pax7. Molecular and Cellular Biology, 2011, 31, 203-214.	2.3	363

#	ARTICLE	IF	CITATIONS
19	MiR-322/424 and -503 Are Induced during Muscle Differentiation and Promote Cell Cycle Quiescence and Differentiation by Down-Regulation of Cdc25A. <i>Molecular Biology of the Cell</i> , 2010, 21, 2138-2149.	2.1	189
20	The Histone Demethylase KDM5b/JARID1b Plays a Role in Cell Fate Decisions by Blocking Terminal Differentiation. <i>Molecular and Cellular Biology</i> , 2008, 28, 5312-5327.	2.3	112
21	A Novel Double-stranded RNA-binding Protein, Disco Interacting Protein 1 (DIP1), Contributes to Cell Fate Decisions during <i>Drosophila</i> Development. <i>Journal of Biological Chemistry</i> , 2003, 278, 38040-38050.	3.4	21