

Brandi N Davis-Dusenbery

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,979
citations

218677

26
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

8322
citing authors

#	ARTICLE	IF	CITATIONS
1	SMAD proteins control DROSHA-mediated microRNA maturation. <i>Nature</i> , 2008, 454, 56-61.	27.8	1,196
2	Pathways Disrupted in Human ALS Motor Neurons Identified through Genetic Correction of Mutant SOD1. <i>Cell Stem Cell</i> , 2014, 14, 781-795.	11.1	392
3	ALS-implicated protein TDP-43 sustains levels of STMN2, a mediator of motor neuron growth and repair. <i>Nature Neuroscience</i> , 2019, 22, 167-179.	14.8	353
4	Smad Proteins Bind a Conserved RNA Sequence to Promote MicroRNA Maturation by Drosha. <i>Molecular Cell</i> , 2010, 39, 373-384.	9.7	351
5	Induction of MicroRNA-221 by Platelet-derived Growth Factor Signaling Is Critical for Modulation of Vascular Smooth Muscle Phenotype. <i>Journal of Biological Chemistry</i> , 2009, 284, 3728-3738.	3.4	292
6	Down-regulation of KrÄppel-like Factor-4 (KLF4) by MicroRNA-143/145 Is Critical for Modulation of Vascular Smooth Muscle Cell Phenotype by Transforming Growth Factor-Î² and Bone Morphogenetic Protein 4. <i>Journal of Biological Chemistry</i> , 2011, 286, 28097-28110.	3.4	227
7	Micromanaging Vascular Smooth Muscle Cell Differentiation and Phenotypic Modulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2370-2377.	2.4	203
8	Mechanisms of control of microRNA biogenesis. <i>Journal of Biochemistry</i> , 2010, 148, 381-92.	1.7	202
9	Molecular basis for antagonism between PDGF and the TGFÎ² family of signalling pathways by control of miR-24 expression. <i>EMBO Journal</i> , 2010, 29, 559-573.	7.8	186
10	MicroRNA in Cancer: The Involvement of Aberrant MicroRNA Biogenesis Regulatory Pathways. <i>Genes and Cancer</i> , 2010, 1, 1100-1114.	1.9	157
11	Control of Phenotypic Plasticity of Smooth Muscle Cells by Bone Morphogenetic Protein Signaling through the Myocardin-related Transcription Factors. <i>Journal of Biological Chemistry</i> , 2007, 282, 37244-37255.	3.4	147
12	The Cancer Genomics Cloud: Collaborative, Reproducible, and DemocratizedâA New Paradigm in Large-Scale Computational Research. <i>Cancer Research</i> , 2017, 77, e3-e6.	0.9	129
13	How to make spinal motor neurons. <i>Development (Cambridge)</i> , 2014, 141, 491-501.	2.5	127
14	Hypoxia Potentiates MicroRNA-Mediated Gene Silencing through Posttranslational Modification of Argonaute2. <i>Molecular and Cellular Biology</i> , 2011, 31, 4760-4774.	2.3	124
15	A Novel Regulatory Mechanism of the Bone Morphogenetic Protein (BMP) Signaling Pathway Involving the Carboxyl-Terminal Tail Domain of BMP Type II Receptor. <i>Molecular and Cellular Biology</i> , 2007, 27, 5776-5789.	2.3	119
16	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. <i>Nature Genetics</i> , 2021, 53, 86-99.	21.4	118
17	Atrial natriuretic peptide is negatively regulated by microRNA-425. <i>Journal of Clinical Investigation</i> , 2013, 123, 3378-3382.	8.2	109
18	Bone Morphogenetic Protein 4 Promotes Vascular Smooth Muscle Contractility by Activating MicroRNA-21 (miR-21), which Down-regulates Expression of Family of Dedicator of Cytokines (DOCK) Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 3976-3986.	3.4	90

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19	Control of microRNA biogenesis by TGF β 2 signaling pathway—A novel role of Smads in the nucleus. Cytokine and Growth Factor Reviews, 2009, 20, 517-521.	7.2	69
20	The mouse C9ORF72 ortholog is enriched in neurons known to degenerate in ALS and FTD. Nature Neuroscience, 2013, 16, 1725-1727.	14.8	67
21	SnapShot: Directed Differentiation of Pluripotent Stem Cells. Cell, 2012, 149, 1174-1174.e1.	28.9	62
22	Inhibition of MicroRNA-302 (miR-302) by Bone Morphogenetic Protein 4 (BMP4) Facilitates the BMP Signaling Pathway. Journal of Biological Chemistry, 2012, 287, 38656-38664.	3.4	52
23	Nanog-Independent Reprogramming to iPSCs with Canonical Factors. Stem Cell Reports, 2014, 2, 119-126.	4.8	47
24	Bone Morphogenetic Protein Signaling in Vascular Disease. Journal of Biological Chemistry, 2012, 287, 28067-28077.	3.4	37
25	Smad-mediated miRNA processing. RNA Biology, 2011, 8, 71-76.	3.1	32
26	Acetylation of p53 stimulates miRNA processing and determines cell survival following genotoxic stress. EMBO Journal, 2013, 32, 3192-3205.	7.8	32
27	Genetic validation of a therapeutic target in a mouse model of ALS. Science Translational Medicine, 2014, 6, 248ra104.	12.4	27
28	Comparative genomic analysis of embryonic, lineage-converted, and stem cell-derived motor neurons. Development (Cambridge), 2018, 145, .	2.5	10
29	Ketamine exposure in early development impairs specification of the primary germ cell layers. Neurotoxicology and Teratology, 2014, 43, 59-68.	2.4	9
30	PDXNet portal: patient-derived Xenograft model, data, workflow and tool discovery. NAR Cancer, 2022, 4, zcac014.	3.1	7
31	Using Semantic Web Technologies to Enable Cancer Genomics Discovery at Petabyte Scale. Cancer Informatics, 2018, 17, 117693511877478.	1.9	2