Brandi N Davis-Dusenbery

List of Publications by Year
in descending order

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	PDXNet portal: patient-derived Xenograft model, data, workflow and tool discovery. NAR Cancer, 2022, 4, zcac014.	3.1	7
2	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. Nature Genetics, 2021, 53, 86-99.	21.4	118
3	ALS-implicated protein TDP-43 sustains levels of STMN2, a mediator of motor neuron growth and repair. Nature Neuroscience, 2019, 22, 167-179.	14.8	353
4	Using Semantic Web Technologies to Enable Cancer Genomics Discovery at Petabyte Scale. Cancer Informatics, 2018, 17, 117693511877478.	1.9	2
5	Comparative genomic analysis of embryonic, lineage-converted, and stem cell-derived motor neurons. Development (Cambridge), 2018, 145, .	2.5	10
6	The Cancer Genomics Cloud: Collaborative, Reproducible, and Democratizedâ€"A New Paradigm in Large-Scale Computational Research. Cancer Research, 2017, 77, e3-e6.	0.9	129
7	Genetic validation of a therapeutic target in a mouse model of ALS. Science Translational Medicine, 2014, 6, 248ra104.	12.4	27
8	Ketamine exposure in early development impairs specification of the primary germ cell layers. Neurotoxicology and Teratology, 2014, 43, 59-68.	2.4	9
9	Nanog-Independent Reprogramming to iPSCs with Canonical Factors. Stem Cell Reports, 2014, 2, 119-126.	4.8	47
10	Pathways Disrupted in Human ALS Motor Neurons Identified through Genetic Correction of Mutant SOD1. Cell Stem Cell, 2014, 14, 781-795.	11.1	392
11	How to make spinal motor neurons. Development (Cambridge), 2014, 141, 491-501.	2.5	127
12	The mouse C9ORF72 ortholog is enriched in neurons known to degenerate in ALS and FTD. Nature Neuroscience, 2013, 16, 1725-1727.	14.8	67
13	Acetylation of p53 stimulates miRNA processing and determines cell survival following genotoxic stress. EMBO Journal, 2013, 32, 3192-3205.	7.8	32
14	Atrial natriuretic peptide is negatively regulated by microRNA-425. Journal of Clinical Investigation, 2013, 123, 3378-3382.	8.2	109
15	Bone Morphogenetic Protein Signaling in Vascular Disease. Journal of Biological Chemistry, 2012, 287, 28067-28077.	3.4	37
16	SnapShot: Directed Differentiation of Pluripotent Stem Cells. Cell, 2012, 149, 1174-1174.e1.	28.9	62
17	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
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 Cytokinesis (DOCK) Proteins. Journal of Biological Chemistry, 2012, 287, 3976-3986.	3.4	90

#	Article	IF	Citations
19	Micromanaging Vascular Smooth Muscle Cell Differentiation and Phenotypic Modulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2370-2377.	2.4	203
20	Down-regulation of KrÃ¼ppel-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. Journal of Biological Chemistry, 2011, 286, 28097-28110.	3.4	227
21	Smad-mediated miRNA processing. RNA Biology, 2011, 8, 71-76.	3.1	32
22	Hypoxia Potentiates MicroRNA-Mediated Gene Silencing through Posttranslational Modification of Argonaute2. Molecular and Cellular Biology, 2011, 31, 4760-4774.	2.3	124
23	Molecular basis for antagonism between PDGF and the TGFÎ² family of signalling pathways by control of miR-24 expression. EMBO Journal, 2010, 29, 559-573.	7.8	186
24	Mechanisms of control of microRNA biogenesis. Journal of Biochemistry, 2010, 148, 381-92.	1.7	202
25	MicroRNA in Cancer: The Involvement of Aberrant MicroRNA Biogenesis Regulatory Pathways. Genes and Cancer, 2010, 1, 1100-1114.	1.9	157
26	Smad Proteins Bind a Conserved RNA Sequence to Promote MicroRNA Maturation by Drosha. Molecular Cell, 2010, 39, 373-384.	9.7	351
27	Induction of MicroRNA-221 by Platelet-derived Growth Factor Signaling Is Critical for Modulation of Vascular Smooth Muscle Phenotype. Journal of Biological Chemistry, 2009, 284, 3728-3738.	3.4	292
28	Control of microRNA biogenesis by TGFÎ² signaling pathwayâ€"A novel role of Smads in the nucleus. Cytokine and Growth Factor Reviews, 2009, 20, 517-521.	7.2	69
29	SMAD proteins control DROSHA-mediated microRNA maturation. Nature, 2008, 454, 56-61.	27.8	1,196
30	Control of Phenotypic Plasticity of Smooth Muscle Cells by Bone Morphogenetic Protein Signaling through the Myocardin-related Transcription Factors. Journal of Biological Chemistry, 2007, 282, 37244-37255.	3.4	147
31	A Novel Regulatory Mechanism of the Bone Morphogenetic Protein (BMP) Signaling Pathway Involving the Carboxyl-Terminal Tail Domain of BMP Type II Receptor. Molecular and Cellular Biology, 2007, 27, 5776-5789.	2.3	119