Laurie Ann Boyer

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	13,921 citations	218381 26 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	29634 citing authors

#	Article	IF	Citations
1	Integrative analysis of 111 reference human epigenomes. Nature, 2015, 518, 317-330.	13.7	5,653
2	Histone H3K27ac separates active from poised enhancers and predicts developmental state. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21931-21936.	3.3	3,446
3	Braveheart, a Long Noncoding RNA Required for Cardiovascular Lineage Commitment. Cell, 2013, 152, 570-583.	13.5	839
4	Dynamic and Coordinated Epigenetic Regulation of Developmental Transitions in the Cardiac Lineage. Cell, 2012, 151, 206-220.	13.5	555
5	Plasticity of ether lipids promotes ferroptosis susceptibility and evasion. Nature, 2020, 585, 603-608.	13.7	420
6	Interconnected Microphysiological Systems for Quantitative Biology and Pharmacology Studies. Scientific Reports, 2018, 8, 4530.	1.6	341
7	H2AZ Is Enriched at Polycomb Complex Target Genes in ES Cells and Is Necessary for Lineage Commitment. Cell, 2008, 135, 649-661.	13.5	307
8	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	9.4	281
9	Ketone Body Signaling Mediates Intestinal Stem Cell Homeostasis and Adaptation to Diet. Cell, 2019, 178, 1115-1131.e15.	13.5	231
10	Polycomb Group Proteins Set the Stage for Early Lineage Commitment. Cell Stem Cell, 2010, 7, 288-298.	5.2	215
11	Microfluidic device for the formation of optically excitable, three-dimensional, compartmentalized motor units. Science Advances, 2016, 2, e1501429.	4.7	192
12	SOX2 Co-Occupies Distal Enhancer Elements with Distinct POU Factors in ESCs and NPCs to Specify Cell State. PLoS Genetics, 2013, 9, e1003288.	1.5	158
13	Saltatory remodeling of Hox chromatin in response to rostrocaudal patterning signals. Nature Neuroscience, 2013, 16, 1191-1198.	7.1	140
14	A G-Rich Motif in the lncRNA Braveheart Interacts with a Zinc-Finger Transcription Factor to Specify the Cardiovascular Lineage. Molecular Cell, 2016, 64, 37-50.	4.5	133
15	Transcriptional Reversion of Cardiac Myocyte Fate During Mammalian Cardiac Regeneration. Circulation Research, 2015, 116, 804-815.	2.0	131
16	Discovery and validation of sub-threshold genome-wide association study loci using epigenomic signatures. ELife, 2016, 5, .	2.8	115
17	52 Genetic Loci Influencing MyocardialÂMass. Journal of the American College of Cardiology, 2016, 68, 1435-1448.	1.2	113
18	H2A.Z: a molecular rheostat for transcriptional control. F1000prime Reports, 2015, 7, 01.	5.9	88

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19	Cell size is a determinant of stem cell potential during aging. Science Advances, 2021, 7, eabk0271.	4.7	75
20	Progress and Promise Towards Safe Induced Pluripotent Stem Cells for Therapy. Stem Cell Reviews and Reports, 2010, 6, 297-306.	5.6	61
21	Lnc ing Epigenetic Control of Transcription to Cardiovascular Development and Disease. Circulation Research, 2015, 117, 192-206.	2.0	56
22	H2A.Z.1 Monoubiquitylation Antagonizes BRD2 to Maintain Poised Chromatin in ESCs. Cell Reports, 2016, 14, 1142-1155.	2.9	55
23	H2A.Z Acidic Patch Couples Chromatin Dynamics to Regulation of Gene Expression Programs during ESC Differentiation. PLoS Genetics, 2013, 9, e1003725.	1.5	53
24	Distal enhancers: new insights into heart development and disease. Trends in Cell Biology, 2014, 24, 294-302.	3.6	42
25	Chromatin Dynamics and the RNA Exosome Function in Concert to Regulate Transcriptional Homeostasis. Cell Reports, 2015, 13, 1610-1622.	2.9	34
26	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. PLoS Genetics, 2016, 12, e1006034.	1.5	34
27	H3K27me3-mediated silencing of structural genes is required for zebrafish heart regeneration. Development (Cambridge), 2019, 146, .	1.2	33
28	A dual role for H2A.Z.1 in modulating the dynamics of RNA polymerase II initiation and elongation. Nature Structural and Molecular Biology, 2021, 28, 435-442.	3.6	27
29	Twenty-eight genetic loci associated with ST-T-wave amplitudes of the electrocardiogram. Human Molecular Genetics, 2016, 25, 2093-2103.	1.4	24
30	Geometry-dependent functional changes in iPSC-derived cardiomyocytes probed by functional imaging and RNA sequencing. PLoS ONE, 2017, 12, e0172671.	1.1	23
31	Polycomb Repressive Complex 2 Regulates Lineage Fidelity during Embryonic Stem Cell Differentiation. PLoS ONE, 2014, 9, e110498.	1.1	22
32	Failed Progenitor Specification Underlies the Cardiopharyngeal Phenotypes in a Zebrafish Model of 22q11.2 Deletion Syndrome. Cell Reports, 2018, 24, 1342-1354.e5.	2.9	18