

James H Eberwine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6875504/publications.pdf>

Version: 2024-02-01

46
papers

3,662
citations

304743

22
h-index

289244

40
g-index

49
all docs

49
docs citations

49
times ranked

7111
citing authors

#	ARTICLE	IF	CITATIONS
1	The Human Cell Atlas. <i>ELife</i> , 2017, 6, .	6.0	1,547
2	The promise of single-cell sequencing. <i>Nature Methods</i> , 2014, 11, 25-27.	19.0	262
3	Transcriptome in vivo analysis (TIVA) of spatially defined single cells in live tissue. <i>Nature Methods</i> , 2014, 11, 190-196.	19.0	235
4	Identification of a Circadian Output Circuit for Rest:Activity Rhythms in <i>Drosophila</i> . <i>Cell</i> , 2014, 157, 689-701.	28.9	201
5	Localization and translation of mRNA in dendrites and axons. <i>Nature Reviews Neuroscience</i> , 2001, 2, 889-898.	10.2	196
6	Analysis of subcellularly localized mRNAs using in situ hybridization, mRNA amplification, and expression profiling. <i>Neurochemical Research</i> , 2002, 27, 1065-1077.	3.3	109
7	Deep sequencing reveals cell-type-specific patterns of single-cell transcriptome variation. <i>Genome Biology</i> , 2015, 16, 122.	9.6	95
8	Single cell transcriptomics of hypothalamic warm sensitive neurons that control core body temperature and fever response. , 2011, 129, 241-259.		86
9	Transcriptome Analysis of Single Cells. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	77
10	Control of cytokinesis by β_2 -adrenergic receptors indicates an approach for regulating cardiomyocyte endowment. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	73
11	Neuroethics Guiding Principles for the NIH BRAIN Initiative. <i>Journal of Neuroscience</i> , 2018, 38, 10586-10588.	3.6	61
12	Primary Cell Culture of Live Neurosurgically Resected Aged Adult Human Brain Cells and Single Cell Transcriptomics. <i>Cell Reports</i> , 2017, 18, 791-803.	6.4	60
13	[9] Complementary DNA synthesis in Situ: Methods and applications. <i>Methods in Enzymology</i> , 1992, 216, 80-100.	1.0	59
14	Lamin B2 Levels Regulate Polyploidization of Cardiomyocyte Nuclei and Myocardial Regeneration. <i>Developmental Cell</i> , 2020, 53, 42-59.e11.	7.0	57
15	Ruthenium-caged antisense morpholinos for regulating gene expression in zebrafish embryos. <i>Chemical Science</i> , 2015, 6, 2342-2346.	7.4	56
16	Single-cell molecular biology. <i>Nature Neuroscience</i> , 2001, 4, 1155-1156.	14.8	50
17	Comprehensive catalog of dendritically localized mRNA isoforms from sub-cellular sequencing of single mouse neurons. <i>BMC Biology</i> , 2019, 17, 5.	3.8	50
18	Pervasive within-Mitochondrion Single-Nucleotide Variant Heteroplasmy as Revealed by Single-Mitochondrion Sequencing. <i>Cell Reports</i> , 2017, 21, 2706-2713.	6.4	48

#	ARTICLE	IF	CITATIONS
19	Single-cell transcriptomics and functional target validation of brown adipocytes show their complex roles in metabolic homeostasis. <i>FASEB Journal</i> , 2016, 30, 81-92.	0.5	39
20	Assessing characteristics of RNA amplification methods for single cell RNA sequencing. <i>BMC Genomics</i> , 2016, 17, 966.	2.8	34
21	The NIH BRAIN Initiative: Integrating Neuroethics and Neuroscience. <i>Neuron</i> , 2019, 101, 394-398.	8.1	30
22	Cellular Deconstruction: Finding Meaning in Individual Cell Variation. <i>Trends in Cell Biology</i> , 2015, 25, 569-578.	7.9	28
23	Efficient Synthesis of Light-triggered Circular Antisense Oligonucleotides Targeting Cellular Protein Expression. <i>ChemBioChem</i> , 2018, 19, 1250-1254.	2.6	27
24	Ultrasensitive Single Extracellular Vesicle Detection Using High Throughput Droplet Digital Enzyme-Linked Immunosorbent Assay. <i>Nano Letters</i> , 2022, 22, 4315-4324.	9.1	26
25	Single-Neuron Isolation for RNA Analysis Using Pipette Capture and Laser Capture Microdissection. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot072439.	0.3	19
26	Avian Primordial Germ Cells Contribute to and Interact With the Extracellular Matrix During Early Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 35.	3.7	19
27	Quantitative biology of single neurons. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3165-3183.	3.4	18
28	Micro- and Nano-Devices for Studying Subcellular Biology. <i>Small</i> , 2021, 17, e2005793.	10.0	15
29	Analysis of mRNA Populations from Single Live and Fixed Cells of the Central Nervous System. <i>Current Protocols in Neuroscience</i> , 1997, 00, 5.3.1-5.3.15.	2.6	14
30	The BRAIN Initiative and Neuroethics: Enabling and Enhancing Neuroscience Advances for Society. <i>AJOB Neuroscience</i> , 2020, 11, 135-139.	1.1	12
31	mRNA structure, in situ, as assessed by microscopic techniques. <i>Microscopy Research and Technique</i> , 1993, 25, 19-28.	2.2	10
32	Photoactivatable Circular Caged Oligonucleotides for Transcriptome In Vivo Analysis (TIVA). <i>ChemPhotoChem</i> , 2021, 5, 940-946.	3.0	9
33	Oligonucleotide Probe for Transcriptome in Vivo Analysis (TIVA) of Single Neurons with Minimal Background. <i>ACS Chemical Biology</i> , 2020, 15, 2714-2721.	3.4	8
34	Astrocytes promote ethanol-induced enhancement of intracellular Ca ²⁺ signals through intercellular communication with neurons. <i>iScience</i> , 2021, 24, 102436.	4.1	8
35	Down the Rabbit Hole of Single-Cell Genome Analysis. <i>Molecular Cell</i> , 2017, 66, 304-305.	9.7	7
36	Antisense RNA Amplification for Target Assessment of Total mRNA from a Single Cell. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot072454.	0.3	5

#	ARTICLE	IF	CITATIONS
37	Cell Surface Protein mRNAs Show Differential Transcription in Pyramidal and Fast-Spiking Cells as Revealed by Single-Cell Sequencing. <i>Cerebral Cortex</i> , 2021, 31, 731-745.	2.9	5
38	Caspase-Activated Oligonucleotide Probe. <i>Bioconjugate Chemistry</i> , 2020, 31, 2172-2178.	3.6	3
39	Identification of RNA Cargoes by Antibody-Positioned RNA Amplification. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.prot072447.	0.3	2
40	Commentary: "Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and Its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. <i>Neurosurgery</i> , 2021, 89, E262-E263.	1.1	1
41	Live Cell Genomics: Cell-Specific Transcriptome Capture in Live Single Cells from Complex Tissues. <i>Methods in Molecular Biology</i> , 2022, 2383, 617-626.	0.9	1
42	Towards fully automated phototransfection. , 2009, , .		0
43	Single Cell/Cellular Subregion-Targeted Phototransfection. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot072421.	0.3	0
44	Withdrawn as duplicate: Commentary: "Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. <i>Neurosurgery</i> , 2021, 89, E237-E238.	1.1	0
45	Single-Cell Analysis of Long Noncoding RNAs (lncRNAs) in Mouse Brain Cells. <i>Methods in Molecular Biology</i> , 2021, 2254, 161-177.	0.9	0
46	Multimodal single mouse and human cell "Omics: Is variability distinct across cellular modalities?. <i>FASEB Journal</i> , 2018, 32, 378.4.	0.5	0