Eran A Mukamel

List of Publications by Year
in descending order

42	8,716	172386 29	289141 40
papers	citations	h-index	g-index

60	60	60	12311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple Comparisons and Inappropriate Statistical Testing Lead to Spurious Sex Differences in Gene Expression. Biological Psychiatry, 2022, 91, e1-e2.	0.7	4
2	Single nucleus multi-omics identifies human cortical cell regulatory genome diversity. Cell Genomics, 2022, 2, 100107.	3.0	58
3	Cellular and genetic drivers of RNA editing variation in the human brain. Nature Communications, 2022, 13, .	5.8	18
4	Single-Cell Sequencing of Brain Cell Transcriptomes and Epigenomes. Neuron, 2021, 109, 11-26.	3.8	135
5	Comprehensive analysis of single cell ATAC-seq data with SnapATAC. Nature Communications, 2021, 12, 1337.	5.8	253
6	An atlas of gene regulatory elements in adult mouse cerebrum. Nature, 2021, 598, 129-136.	13.7	95
7	A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. Nature, 2021, 598, 103-110.	13.7	166
8	Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 2021, 598, 111-119.	13.7	361
9	A multimodal cell census and atlas of the mammalian primary motor cortex. Nature, 2021, 598, 86-102.	13.7	316
10	DNA methylation atlas of the mouse brain at single-cell resolution. Nature, 2021, 598, 120-128.	13.7	135
11	Epigenomic diversity of cortical projection neurons in the mouse brain. Nature, 2021, 598, 167-173.	13.7	47
12	Evolution of regulatory signatures in primate cortical neurons at cell-type resolution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28422-28432.	3.3	18
13	Maternal immune activation impairs cognitive flexibility and alters transcription in frontal cortex. Neurobiology of Disease, 2019, 125, 211-218.	2.1	41
14	Perspectives on defining cell types in the brain. Current Opinion in Neurobiology, 2019, 56, 61-68.	2.0	44
15	Environmental enrichment increases transcriptional and epigenetic differentiation between mouse dorsal and ventral dentate gyrus. Nature Communications, 2018, 9, 298.	5.8	106
16	A unique role for DNA (hydroxy)methylation in epigenetic regulation of human inhibitory neurons. Science Advances, 2018, 4, eaau6190.	4.7	92
17	A transient cortical state with sleep-like sensory responses precedes emergence from general anesthesia in humans. ELife, 2018, 7, .	2.8	18
18	Allele-specific non-CG DNA methylation marks domains of active chromatin in female mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2882-E2890.	3.3	45

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19	Single-cell methylomes identify neuronal subtypes and regulatory elements in mammalian cortex. Science, 2017, 357, 600-604.	6.0	445
20	Epigenomic landscapes of retinal rods and cones. ELife, 2016, 5, e11613.	2.8	106
21	Turning over DNA methylation in the mind. Frontiers in Neuroscience, 2015, 9, 252.	1.4	49
22	Human body epigenome maps reveal noncanonical DNA methylation variation. Nature, 2015, 523, 212-216.	13.7	605
23	Epigenomic Signatures of Neuronal Diversity in the Mammalian Brain. Neuron, 2015, 86, 1369-1384.	3.8	640
24	Disruption of mGluR5 in parvalbumin-positive interneurons induces core features of neurodevelopmental disorders. Molecular Psychiatry, 2015, 20, 1161-1172.	4.1	77
25	A Transition in Brain State during Propofol-Induced Unconsciousness. Journal of Neuroscience, 2014, 34, 839-845.	1.7	115
26	Global Epigenomic Reconfiguration During Mammalian Brain Development. Science, 2013, 341, 1237905.	6.0	1,609
27	Electroencephalogram signatures of loss and recovery of consciousness from propofol. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1142-51.	3.3	679
28	Rapid fragmentation of neuronal networks at the onset of propofol-induced unconsciousness. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3377-86.	3.3	366
29	Statistical Deconvolution for Superresolution Fluorescence Microscopy. Biophysical Journal, 2012, 102, 2391-2400.	0.2	152
30	Unified Resolution Bounds for Conventional and Stochastic Localization Fluorescence Microscopy. Physical Review Letters, 2012, 109, 168102.	2.9	30
31	Phase-based measures of cross-frequency coupling in brain electrical dynamics under general anesthesia. , 2011, 2011, 1981-4.		32
32	Robust time-varying multivariate coherence estimation: Application to electroencephalogram recordings during general anesthesia. , 2011, 2011, 4725-8.		6
33	Bayesian analysis of trinomial data in behavioral experiments and its application to human studies of general anesthesia. , 2011, 2011, 4705-8.		9
34	Motor Behavior Activates Bergmann Glial Networks. Neuron, 2009, 62, 400-412.	3.8	272
35	Automated Analysis of Cellular Signals from Large-Scale Calcium Imaging Data. Neuron, 2009, 63, 747-760.	3.8	616
36	Advances in Light Microscopy for Neuroscience. Annual Review of Neuroscience, 2009, 32, 435-506.	5.0	269

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37	High-speed, miniaturized fluorescence microscopy in freely moving mice. Nature Methods, 2008, 5, 935-938.	9.0	352
38	Lock-and-Key Mechanisms of Cerebellar Memory Recall Based on Rebound Currents. Journal of Neurophysiology, 2008, 100, 2328-2347.	0.9	32
39	Retinal Coding of Visual Scenesâ€" Repetitive and Redundant Too?. Neuron, 2005, 46, 357-359.	3.8	5
40	Phase diagram for unzipping DNA with long-range interactions. Physical Review E, 2002, 66, 032901.	0.8	8
41	Temporal heterodyne detector for multitemporal mode quantum state measurement. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 510-516.	1.4	13
42	Dnmt3a knockout in excitatory neurons impairs postnatal synapse maturation and increases the repressive histone modification H3K27me3. ELife, 0, 11, .	2.8	10