

Antonio Zainos

List of Publications by Year in descending order

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35
papers

3,704
citations

257450

24
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

2520
citing authors

#	ARTICLE	IF	CITATIONS
1	Somatosensory discrimination based on cortical microstimulation. <i>Nature</i> , 1998, 392, 387-390.	27.8	443
2	Neuronal correlates of decision-making in secondary somatosensory cortex. <i>Nature Neuroscience</i> , 2002, 5, 1217-1225.	14.8	334
3	Timing and Neural Encoding of Somatosensory Parametric Working Memory in Macaque Prefrontal Cortex. <i>Cerebral Cortex</i> , 2003, 13, 1196-1207.	2.9	300
4	Neuronal Correlates of a Perceptual Decision in Ventral Premotor Cortex. <i>Neuron</i> , 2004, 41, 165-173.	8.1	293
5	Periodicity and Firing Rate As Candidate Neural Codes for the Frequency of Vibrotactile Stimuli. <i>Journal of Neuroscience</i> , 2000, 20, 5503-5515.	3.6	287
6	Sensing without Touching. <i>Neuron</i> , 2000, 26, 273-278.	8.1	273
7	Decoding a Perceptual Decision Process across Cortex. <i>Neuron</i> , 2010, 66, 300-314.	8.1	273
8	Temporal Evolution of a Decision-Making Process in Medial Premotor Cortex. <i>Neuron</i> , 2002, 33, 959-972.	8.1	224
9	Correlated Neuronal Discharges that Increase Coding Efficiency during Perceptual Discrimination. <i>Neuron</i> , 2003, 38, 649-657.	8.1	193
10	Neuronal correlates of sensory discrimination in the somatosensory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6191-6196.	7.1	182
11	Do Sensory Cortices Process More than One Sensory Modality during Perceptual Judgments?. <i>Neuron</i> , 2010, 67, 335-348.	8.1	90
12	Heterogenous Population Coding of a Short-Term Memory and Decision Task. <i>Journal of Neuroscience</i> , 2010, 30, 916-929.	3.6	89
13	Representation of tactile signals in primate supplementary motor area. <i>Journal of Neurophysiology</i> , 1993, 70, 2690-2694.	1.8	62
14	Functional Properties of Primate Putamen Neurons During the Categorization of Tactile Stimuli. <i>Journal of Neurophysiology</i> , 1997, 77, 1132-1154.	1.8	62
15	Neural correlates of a postponed decision report. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17174-17179.	7.1	62
16	Exploring the cortical evidence of a sensoryâ€“discrimination process. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1039-1051.	4.0	51
17	Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. <i>Neuron</i> , 2017, 96, 1432-1446.e7.	8.1	48
18	Role of primary somatic sensory cortex in the categorization of tactile stimuli: effects of lesions. <i>Experimental Brain Research</i> , 1997, 115, 357-360.	1.5	46

#	ARTICLE	IF	CITATIONS
19	Emergence of an abstract categorical code enabling the discrimination of temporally structured tactile stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7966-E7975.	7.1	45
20	From sensation to action. Behavioural Brain Research, 2002, 135, 105-118.	2.2	36
21	Local domains of motor cortical activity revealed by fiber-optic calcium recordings in behaving nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 463-468.	7.1	36
22	Temporal signals underlying a cognitive process in the dorsal premotor cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7523-7532.	7.1	32
23	Thalamocortical rhythms during a vibrotactile detection task. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1797-805.	7.1	31
24	Categorization of somaesthetic stimuli. NeuroReport, 1996, 7, 1273-1279.	1.2	30
25	Neural coding and perceptual detection in the primate somatosensory thalamus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15006-15011.	7.1	30
26	Neuronal activity of primate putamen during categorical perception of somaesthetic stimuli. NeuroReport, 1995, 6, 1013-1017.	1.2	28
27	Invariant timescale hierarchy across the cortical somatosensory network. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
28	Feed-forward information and zero-lag synchronization in the sensory thalamocortical circuit are modulated during stimulus perception. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7513-7522.	7.1	24
29	Procedure for recording the simultaneous activity of single neurons distributed across cortical areas during sensory discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16785-16790.	7.1	22
30	A continuum of invariant sensory and behavioral-context perceptual coding in secondary somatosensory cortex. Nature Communications, 2021, 12, 2000.	12.8	19
31	Decoding stimulus features in primate somatosensory cortex during perceptual categorization. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4773-4778.	7.1	14
32	Analysing neuronal correlates of the comparison of two sequentially presented sensory stimuli. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1843-1850.	4.0	12
33	Decoding the Temporal Evolution of a Simple Perceptual Act. Novartis Foundation Symposium, 0, , 170-190.	1.1	7
34	Neural Codes for Perceptual Decisions. , 2008, , 265-296.		0
35	Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. SSRN Electronic Journal, 0, , .	0.4	0