

Antonio Zainos

List of Publications by Year in descending order

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Version: 2024-02-01

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 | A continuum of invariant sensory and behavioral-context perceptual coding in secondary somatosensory cortex. <i>Nature Communications</i> , 2021, 12, 2000. | 12.8 | 19 |
| 2 | Invariant timescale hierarchy across the cortical somatosensory network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 25 |
| 3 | Temporal signals underlying a cognitive process in the dorsal premotor cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7523-7532. | 7.1 | 32 |
| 4 | Feed-forward information and zero-lag synchronization in the sensory thalamocortical circuit are modulated during stimulus perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7513-7522. | 7.1 | 24 |
| 5 | Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. <i>Neuron</i> , 2017, 96, 1432-1446.e7. | 8.1 | 48 |
| 6 | Emergence of an abstract categorical code enabling the discrimination of temporally structured tactile stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7966-E7975. | 7.1 | 45 |
| 7 | Decoding stimulus features in primate somatosensory cortex during perceptual categorization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4773-4778. | 7.1 | 14 |
| 8 | Local domains of motor cortical activity revealed by fiber-optic calcium recordings in behaving nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 463-468. | 7.1 | 36 |
| 9 | Thalamocortical rhythms during a vibrotactile detection task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1797-805. | 7.1 | 31 |
| 10 | Neural coding and perceptual detection in the primate somatosensory thalamus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15006-15011. | 7.1 | 30 |
| 11 | Heterogenous Population Coding of a Short-Term Memory and Decision Task. <i>Journal of Neuroscience</i> , 2010, 30, 916-929. | 3.6 | 89 |
| 12 | Decoding a Perceptual Decision Process across Cortex. <i>Neuron</i> , 2010, 66, 300-314. | 8.1 | 273 |
| 13 | Do Sensory Cortices Process More than One Sensory Modality during Perceptual Judgments?. <i>Neuron</i> , 2010, 67, 335-348. | 8.1 | 90 |
| 14 | Procedure for recording the simultaneous activity of single neurons distributed across cortical areas during sensory discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16785-16790. | 7.1 | 22 |
| 15 | Neural Codes for Perceptual Decisions. , 2008, , 265-296. | | 0 |
| 16 | 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 |
| 17 | Neuronal Correlates of a Perceptual Decision in Ventral Premotor Cortex. <i>Neuron</i> , 2004, 41, 165-173. | 8.1 | 293 |
| 18 | Correlated Neuronal Discharges that Increase Coding Efficiency during Perceptual Discrimination. <i>Neuron</i> , 2003, 38, 649-657. | 8.1 | 193 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Timing and Neural Encoding of Somatosensory Parametric Working Memory in Macaque Prefrontal Cortex. <i>Cerebral Cortex</i> , 2003, 13, 1196-1207. | 2.9 | 300 |
| 20 | Analysing neuronal correlates of the comparison of two sequentially presented sensory stimuli. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1843-1850. | 4.0 | 12 |
| 21 | 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 |
| 22 | Temporal Evolution of a Decision-Making Process in Medial Premotor Cortex. <i>Neuron</i> , 2002, 33, 959-972. | 8.1 | 224 |
| 23 | From sensation to action. <i>Behavioural Brain Research</i> , 2002, 135, 105-118. | 2.2 | 36 |
| 24 | Neuronal correlates of decision-making in secondary somatosensory cortex. <i>Nature Neuroscience</i> , 2002, 5, 1217-1225. | 14.8 | 334 |
| 25 | 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 |
| 26 | 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 |
| 27 | Sensing without Touching. <i>Neuron</i> , 2000, 26, 273-278. | 8.1 | 273 |
| 28 | Somatosensory discrimination based on cortical microstimulation. <i>Nature</i> , 1998, 392, 387-390. | 27.8 | 443 |
| 29 | Functional Properties of Primate Putamen Neurons During the Categorization of Tactile Stimuli. <i>Journal of Neurophysiology</i> , 1997, 77, 1132-1154. | 1.8 | 62 |
| 30 | 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 |
| 31 | Categorization of somaesthetic stimuli. <i>NeuroReport</i> , 1996, 7, 1273-1279. | 1.2 | 30 |
| 32 | Neuronal activity of primate putamen during categorical perception of somaesthetic stimuli. <i>NeuroReport</i> , 1995, 6, 1013-1017. | 1.2 | 28 |
| 33 | Representation of tactile signals in primate supplementary motor area. <i>Journal of Neurophysiology</i> , 1993, 70, 2690-2694. | 1.8 | 62 |
| 34 | Decoding the Temporal Evolution of a Simple Perceptual Act. <i>Novartis Foundation Symposium</i> , 0, , 170-190. | 1.1 | 7 |
| 35 | Decoding a Decision Process in the Neuronal Population of Dorsal Premotor Cortex. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |