

Terrence R Stanford

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

6,720
citations

81839

39
h-index

114418

63
g-index

73
all docs

73
docs citations

73
times ranked

5100
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisensory integration: current issues from the perspective of the single neuron. <i>Nature Reviews Neuroscience</i> , 2008, 9, 255-266.	4.9	1,180
2	Perceptual decision making in less than 30 milliseconds. <i>Nature Neuroscience</i> , 2010, 13, 379-385.	7.1	440
3	Subcortical loops through the basal ganglia. <i>Trends in Neurosciences</i> , 2005, 28, 401-407.	4.2	394
4	Development of multisensory integration from the perspective of the individual neuron. <i>Nature Reviews Neuroscience</i> , 2014, 15, 520-535.	4.9	278
5	Saccades to remembered target locations: an analysis of systematic and variable errors. <i>Vision Research</i> , 1994, 34, 79-92.	0.7	260
6	Evaluating the Operations Underlying Multisensory Integration in the Cat Superior Colliculus. <i>Journal of Neuroscience</i> , 2005, 25, 6499-6508.	1.7	245
7	Combined eye-head gaze shifts produced by electrical stimulation of the superior colliculus in rhesus monkeys. <i>Journal of Neurophysiology</i> , 1996, 76, 927-952.	0.9	227
8	Site and parameters of microstimulation: evidence for independent effects on the properties of saccades evoked from the primate superior colliculus. <i>Journal of Neurophysiology</i> , 1996, 76, 3360-3381.	0.9	202
9	Challenges in quantifying multisensory integration: alternative criteria, models, and inverse effectiveness. <i>Experimental Brain Research</i> , 2009, 198, 113-26.	0.7	168
10	A neuronal population code for sound localization. <i>Nature</i> , 1997, 388, 871-874.	13.7	166
11	Multisensory Integration Shortens Physiological Response Latencies. <i>Journal of Neuroscience</i> , 2007, 27, 5879-5884.	1.7	166
12	On the use of superadditivity as a metric for characterizing multisensory integration in functional neuroimaging studies. <i>Experimental Brain Research</i> , 2005, 166, 289-297.	0.7	162
13	Intracellular Recordings in Response to Monaural and Binaural Stimulation of Neurons in the Inferior Colliculus of the Cat. <i>Journal of Neuroscience</i> , 1997, 17, 7565-7581.	1.7	152
14	Interaural phase-sensitive units in the inferior colliculus of the unanesthetized rabbit: effects of changing frequency. <i>Journal of Neurophysiology</i> , 1987, 57, 1338-1360.	0.9	139
15	The neural basis of multisensory integration in the midbrain: Its organization and maturation. <i>Hearing Research</i> , 2009, 258, 4-15.	0.9	135
16	Temporal coding of envelopes and their interaural delays in the inferior colliculus of the unanesthetized rabbit. <i>Journal of Neurophysiology</i> , 1989, 61, 257-268.	0.9	127
17	Superadditivity in multisensory integration: putting the computation in context. <i>NeuroReport</i> , 2007, 18, 787-792.	0.6	121
18	Monaural and binaural response properties of neurons in the inferior colliculus of the rabbit: effects of sodium pentobarbital. <i>Journal of Neurophysiology</i> , 1989, 61, 269-282.	0.9	113

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19	Stimulus Selectivity in Dorsal and Ventral Prefrontal Cortex after Training in Working Memory Tasks. <i>Journal of Neuroscience</i> , 2011, 31, 6266-6276.	1.7	111
20	Semantic confusion regarding the development of multisensory integration: a practical solution. <i>European Journal of Neuroscience</i> , 2010, 31, 1713-1720.	1.2	107
21	Categorization in the monkey hippocampus: A possible mechanism for encoding information into memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3184-3189.	3.3	99
22	Systematic errors for saccades to remembered targets: Evidence for a dissociation between saccade metrics and activity in the superior colliculus. <i>Vision Research</i> , 1994, 34, 93-106.	0.7	97
23	Multisensory Versus Unisensory Integration: Contrasting Modes in the Superior Colliculus. <i>Journal of Neurophysiology</i> , 2007, 97, 3193-3205.	0.9	96
24	The Countermanding Task Revisited: Fast Stimulus Detection Is a Key Determinant of Psychophysical Performance. <i>Journal of Neuroscience</i> , 2013, 33, 5668-5685.	1.7	95
25	Quantitative Assessment of the Timing and Tuning of Visual-Related, Saccade-Related, and Delay Period Activity in Primate Central Thalamus. <i>Journal of Neurophysiology</i> , 2003, 90, 2029-2052.	0.9	72
26	Cortex Mediates Multisensory But Not Unisensory Integration in Superior Colliculus. <i>Journal of Neuroscience</i> , 2007, 27, 12775-12786.	1.7	72
27	Contextual Modulation of Central Thalamic Delay-Period Activity: Representation of Visual and Saccadic Goals. <i>Journal of Neurophysiology</i> , 2004, 91, 2628-2648.	0.9	66
28	A Model of the Neural Mechanisms Underlying Multisensory Integration in the Superior Colliculus. <i>Perception</i> , 2007, 36, 1431-1443.	0.5	64
29	High-frequency neurons in the inferior colliculus that are sensitive to interaural delays of amplitude-modulated tones: evidence for dual binaural influences. <i>Journal of Neurophysiology</i> , 1993, 70, 64-80.	0.9	63
30	Neural Activity in Frontal Cortical Cell Layers: Evidence for Columnar Sensorimotor Processing. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1507-1521.	1.1	61
31	Incorporating Cross-Modal Statistics in the Development and Maintenance of Multisensory Integration. <i>Journal of Neuroscience</i> , 2012, 32, 2287-2298.	1.7	61
32	Multisensory Integration in the Superior Colliculus Requires Synergy among Corticocollicular Inputs. <i>Journal of Neuroscience</i> , 2009, 29, 6580-6592.	1.7	58
33	Perceptual Modulation of Motor "But Not Visual" Responses in the Frontal Eye Field during an Urgent-Decision Task. <i>Journal of Neuroscience</i> , 2013, 33, 16394-16408.	1.7	58
34	A Bayesian model unifies multisensory spatial localization with the physiological properties of the superior colliculus. <i>Experimental Brain Research</i> , 2007, 180, 153-161.	0.7	57
35	Tectonigral projections in the primate: a pathway for preattentive sensory input to midbrain dopaminergic neurons. <i>European Journal of Neuroscience</i> , 2009, 29, 575-587.	1.2	56
36	A comparison of the interaural time sensitivity of neurons in the inferior colliculus and thalamus of the unanesthetized rabbit. <i>Journal of Neuroscience</i> , 1992, 12, 3200-3216.	1.7	53

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37	What does a neuron learn from multisensory experience?. Journal of Neurophysiology, 2015, 113, 883-889.	0.9	49
38	Tracking the Temporal Evolution of a Perceptual Judgment Using a Compelled-Response Task. Journal of Neuroscience, 2011, 31, 8406-8421.	1.7	48
39	Saccade metrics reflect decision-making dynamics during urgent choices. Nature Communications, 2018, 9, 2907.	5.8	45
40	A neural network model of multisensory integration also accounts for unisensory integration in superior colliculus. Brain Research, 2008, 1242, 13-23.	1.1	43
41	Multisensory Integration and the Society for Neuroscience: Then and Now. Journal of Neuroscience, 2020, 40, 3-11.	1.7	38
42	Noise rearing disrupts the maturation of multisensory integration. European Journal of Neuroscience, 2014, 39, 602-613.	1.2	36
43	Neural correlates of working memory development in adolescent primates. Nature Communications, 2016, 7, 13423.	5.8	35
44	Age-dependent changes in prefrontal intrinsic connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3853-3858.	3.3	32
45	Neural Correlates of a Decision Variable Before Learning to Perform a Match/Non-Match Task. Journal of Neuroscience, 2012, 32, 6161-6169.	1.7	31
46	Chapter 10 Nonvisual influences on visual-information processing in the superior colliculus. Progress in Brain Research, 2001, 134, 143-156.	0.9	30
47	Working memory performance and neural activity in prefrontal cortex of peripubertal monkeys. Journal of Neurophysiology, 2013, 110, 2648-2660.	0.9	29
48	Motor selection dynamics in FEF explain the reaction time variance of saccades to single targets. ELife, 2018, 7, .	2.8	27
49	Saccadic inhibition interrupts ongoing oculomotor activity to enable the rapid deployment of alternate movement plans. Scientific Reports, 2018, 8, 14163.	1.6	26
50	Alterations to multisensory and unisensory integration by stimulus competition. Journal of Neurophysiology, 2011, 106, 3091-3101.	0.9	21
51	Waiting is the Hardest Part: Comparison of Two Computational Strategies for Performing a Compelled-Response Task. Frontiers in Computational Neuroscience, 2010, 4, 153.	1.2	20
52	Effects of cocaine rewards on neural representations of cognitive demand in nonhuman primates. Psychopharmacology, 2011, 213, 105-118.	1.5	20
53	Development of multisensory integration: Transforming sensory input into motor output. Mental Retardation and Developmental Disabilities Research Reviews, 1999, 5, 72-85.	3.5	19
54	Behavioral response inhibition and maturation of goal representation in prefrontal cortex after puberty. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3353-3358.	3.3	19

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55	Voluntary and involuntary contributions to perceptually guided saccadic choices resolved with millisecond precision. <i>ELife</i> , 2019, 8, .	2.8	17
56	Task dependence of decision- and choice-related activity in monkey oculomotor thalamus. <i>Journal of Neurophysiology</i> , 2016, 115, 581-601.	0.9	9
57	All-or-None Context Dependence Delineates Limits of FEF Visual Target Selection. <i>Current Biology</i> , 2019, 29, 294-305.e3.	1.8	9
58	Urgent Decision Making: Resolving Visuomotor Interactions at High Temporal Resolution. <i>Annual Review of Vision Science</i> , 2021, 7, 323-348.	2.3	8
59	Under time pressure, the exogenous modulation of saccade plans is ubiquitous, intricate, and lawful. <i>Current Opinion in Neurobiology</i> , 2021, 70, 154-162.	2.0	8
60	The relationship between visual orienting and interlimb synchrony in a patient with a superior parietal infarction: A case study. <i>Neurocase</i> , 2009, 15, 73-88.	0.2	3
61	Association Cortex Is Essential to Reverse Hemianopia by Multisensory Training. <i>Cerebral Cortex</i> , 2021, 31, 5015-5023.	1.6	2
62	The impact of perceptual, cognitive and motor factors on bimanual coordination. <i>Psychological Research</i> , 2013, 77, 794-807.	1.0	1
63	When the simplest voluntary decisions appear patently suboptimal. <i>Behavioral and Brain Sciences</i> , 2018, 41, e240.	0.4	1
64	Clocking perceptual processing speed. <i>Communicative and Integrative Biology</i> , 2010, 3, 287-289.	0.6	0
65	Cross-modal covariance as a key for the maturation of multisensory integration. <i>Multisensory Research</i> , 2013, 26, 58.	0.6	0
66	Vision: A Moving Hill for Spatial Updating on the Fly. <i>Current Biology</i> , 2015, 25, R115-R117.	1.8	0
67	Working Memory and Prefrontal Neural Activity of Macaques in Early Adolescence. <i>Journal of Vision</i> , 2021, 21, 2913.	0.1	0