Ayse Pinar Saygin

List of Publications by Year
in descending order

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74	6,565	126858	128225
papers	citations	33 h-index	60 g-index

78	78	78	7120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Voxel-based lesionâ€“symptom mapping. Nature Neuroscience, 2003, 6, 448-450.	7.1	1,283
2	Listening to speech activates motor areas involved in speech production. Nature Neuroscience, 2004, 7, 701-702.	7.1	807
3	Smoothing and cluster thresholding for cortical surface-based group analysis of fMRI data. NeuroImage, 2006, 33, 1093-1103.	2.1	681
4	Point-Light Biological Motion Perception Activates Human Premotor Cortex. Journal of Neuroscience, 2004, 24, 6181-6188.	1.7	381
5	Superior temporal and premotor brain areas necessary for biological motion perception. Brain, 2007, 130, 2452-2461.	3.7	341
6	The thing that should not be: predictive coding and the uncanny valley in perceiving human and humanoid robot actions. Social Cognitive and Affective Neuroscience, 2012, 7, 413-422.	1.5	320
7	Turing Test: 50 Years Later. Minds and Machines, 2000, 10, 463-518.	2.7	209
8	Retinotopy and Attention in Human Occipital, Temporal, Parietal, and Frontal Cortex. Cerebral Cortex, 2008, 18, 2158-2168.	1.6	177
9	Action comprehension in aphasia: linguistic and non-linguistic deficits and their lesion correlates. Neuropsychologia, 2004, 42, 1788-1804.	0.7	162
10	Neural resources for processing language and environmental sounds: Evidence from aphasia. Brain, 2003, 126, 928-945.	3.7	161
11	Modulation of BOLD Response in Motion-sensitive Lateral Temporal Cortex by Real and Fictive Motion Sentences. Journal of Cognitive Neuroscience, 2010, 22, 2480-2490.	1.1	150
12	Lesion correlates of conversational speech production deficits. Neuropsychologia, 2007, 45, 2525-2533.	0.7	123
13	Effects of TMS over Premotor and Superior Temporal Cortices on Biological Motion Perception. Journal of Cognitive Neuroscience, 2012, 24, 896-904.	1.1	119
14	Neuroanatomical correlates of biological motion detection. Neuropsychologia, 2013, 51, 457-463.	0.7	101
15	Auditory semantic networks for words and natural sounds. Brain Research, 2006, 1115, 92-107.	1.1	98
16	Tool morphology constrains the effects of tool use on body representations.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2143-2153.	0.7	92
17	What is Involved and What is Necessary for Complex Linguistic and Nonlinguistic Auditory Processing: Evidence from Functional Magnetic Resonance Imaging and Lesion Data. Journal of Cognitive Neuroscience, 2007, 19, 799-816.	1.1	90
18	Individual differences in the perception of biological motion: Links to social cognition and motor imagery. Cognition, 2013, 128, 140-148.	1.1	89

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19	Unaffected Perceptual Thresholds for Biological and Non-Biological Form-from-Motion Perception in Autism Spectrum Conditions. PLoS ONE, 2010, 5, e13491.	1.1	80
20	Grammaticality Judgment in Aphasia: Deficits Are Not Specific to Syntactic Structures, Aphasic Syndromes, or Lesion Sites. Journal of Cognitive Neuroscience, 2004, 16, 238-252.	1.1	76
21	EEG theta and Mu oscillations during perception of human and robot actions. Frontiers in Neurorobotics, 2013, 7, 19.	1.6	59
22	Reduced sensitivity to minimum-jerk biological motion in autism spectrum conditions. Neuropsychologia, 2009, 47, 3275-3278.	0.7	56
23	The role of human ventral visual cortex in motion perception. Brain, 2013, 136, 2784-2798.	3.7	48
24	In the Footsteps of Biological Motion and Multisensory Perception. Psychological Science, 2008, 19, 469-475.	1.8	44
25	Ventral aspect of the visual form pathway is not critical for the perception of biological motion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E361-70.	3.3	44
26	Normal form from biological motion despite impaired ventral stream function. Neuropsychologia, 2011, 49, 1033-1043.	0.7	43
27	A developmental ERP study of verbal and non-verbal semantic processing. Brain Research, 2008, 1208, 137-149.	1.1	41
28	Visual tests predict dementia risk in Parkinson disease. Neurology: Clinical Practice, 2020, 10, 29-39.	0.8	41
29	An on-line task for contrasting auditory processing in the verbal and nonverbal domains and norms for younger and older adults. Behavior Research Methods, 2005, 37, 99-110.	2.3	40
30	Nonverbal auditory agnosia with lesion to Wernicke's area. Neuropsychologia, 2010, 48, 107-113.	0.7	40
31	Language in an Embodied Brain: the Role of Animal Models. Cortex, 2004, 40, 226-227.	1.1	39
32	Uncanny valley as a window into predictive processing in the social brain. Neuropsychologia, 2018, 114, 181-185.	0.7	39
33	The recalibration of tactile perception during tool use is body-part specific. Experimental Brain Research, 2017, 235, 2917-2926.	0.7	38
34	Pragmatics in human-computer conversations. Journal of Pragmatics, 2002, 34, 227-258.	0.8	37
35	Visual illusion of tool use recalibrates tactile perception. Cognition, 2017, 162, 32-40.	1.1	36
36	Mental body representations retain homuncular shape distortions: Evidence from Weberâ€™s illusion. Consciousness and Cognition, 2016, 40, 17-25.	0.8	34

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37	Distinct representations in occipito-temporal, parietal, and premotor cortex during action perception revealed by fMRI and computational modeling. Neuropsychologia, 2019, 127, 35-47.	0.7	34
38	Quantifying Dissociations in Neuropsychological Research. Journal of Clinical and Experimental Neuropsychology, 2003, 25, 1128-1153.	0.8	31
39	The role of appearance and motion in action prediction. Psychological Research, 2012, 76, 388-394.	1.0	27
40	Predictive processing account of action perception: Evidence from effective connectivity in the action observation network. Cortex, 2020, 128, 132-142.	1.1	26
41	Assessing cognitive dysfunction in Parkinson's disease: An online tool to detect visuoâ€perceptual deficits. Movement Disorders, 2018, 33, 544-553.	2.2	25
42	Observation and imitation of actions performed by humans, androids, and robots: an EMG study. Frontiers in Human Neuroscience, 2015, 9, 364.	1.0	24
43	Motion-sensitive cortex and motion semantics in American Sign Language. NeuroImage, 2012, 63, 111-118.	2.1	23
44	Distributed processing and cortical specialization for speech and environmental sounds in human temporal cortex. Brain and Language, 2011, 116, 83-90.	0.8	22
45	Turing Test: 50 Years Later. Studies in Cognitive Systems, 2003, , 23-78.	0.1	19
46	Is that a human? Categorization (dis)fluency drives evaluations of agents ambiguous on human-likeness.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 651-666.	0.7	19
47	Analyzing aphasia data in a multidimensional symptom space. Brain and Language, 2005, 92, 106-116.	0.8	18
48	Infants' Recognition of Meaningful Verbal and Nonverbal Sounds. Language Learning and Development, 2009, 5, 172-190.	0.7	14
49	Tool Use Modulates Somatosensory Cortical Processing in Humans. Journal of Cognitive Neuroscience, 2019, 31, 1782-1795.	1.1	14
50	Robot Form and Motion Influences Social Attention. , 2015, , .		10
51	Action verbs are processed differently in metaphorical and literal sentences depending on the semantic match of visual primes. Frontiers in Human Neuroscience, 2014, 8, 982.	1.0	9
52	Investigating the Status of Biological Stimuli as Objects of Attention in Multiple Object Tracking. PLoS ONE, 2011, 6, e16232.	1.1	5
53	The Neural Correlates of Visuospatial Perceptual and Oculomotor Extrapolation. PLoS ONE, 2010, 5, e9664.	1.1	4
54	Environmental Sounds. , 2016, , 1121-1138.		4

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55	Representational similarity of actions in the human brain. , 2016, , .		4
56	A Computational Analysis of Interaction Patterns in the Acquisition of Turkish. Research on Language and Computation, 2010, 8, 239-253.	0.4	2
57	Vision during tool use is both necessary and sufficient for recalibration of tactile perception of body size. Journal of Vision, 2015, 15, 362.	0.1	2
58	Retinotopy and selective visual attention in humans and computers. , 2008, , .		1
59	Dissociation between biological motion and shape integration. Journal of Vision, 2010, 10, 783-783.	0.1	1
60	The Perception of Body Movements: The Role of Biological Motion and Form. Journal of Vision, 2011, 11, 741-741.	0.1	1
61	The Influence of (Biological) Form on the Perception of Biological Motion. Journal of Vision, 2014, 14, 1008-1008.	0.1	1
62	Breaking Bio: Does biological motion have preferential access to awareness?. Journal of Vision, 2014, 14, 1018-1018.	0.1	1
63	Structural Neural Correlates of Biological Motion Detection Ability. Journal of Vision, 2011, 11, 687-687.	0.1	1
64	Title is missing!. Minds and Machines, 2001, 11, 442-445.	2.7	0
65	Auditory agnosias. Handbook of Clinical Neurophysiology, 2013, , 449-460.	0.0	0
66	The emergence of mirror-like response properties from domain-general principles in vision and audition. Behavioral and Brain Sciences, 2014, 37, 219-219.	0.4	0
67	Unconscious Processing of Biological Motion. Journal of Vision, 2014, 14, 1021-1021.	0.1	0
68	The role of biological form in reflexive orienting. Journal of Vision, 2014, 14, 320-320.	0.1	0
69	Visual evoked potentials in response to biological and non-biological agents. Journal of Vision, 2014, 14, 1010-1010.	0.1	0
70	Influence of Form and Motion on Biological Motion Prediction. Journal of Vision, 2015, 15, 500.	0.1	0
71	Representational similarity analysis of fMRI responses in brain areas involved in visual action processing. Journal of Vision, 2015, 15, 503.	0.1	0
72	Biological motion processing under interocular suppression. Journal of Vision, 2015, 15, 498.	0.1	0

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73	Representational Similarity of Actions in the Human Brain. Journal of Vision, 2017, 17, 1268.	0.1	0
74	Form and Motion in Biological Motion Perception: An Event-related Potential Paradigm. Journal of Vision, 2020, 20, 950.	0.1	0