

# Zaira Cattaneo

## List of Publications by Year in descending order

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123  
papers

3,496  
citations

147801

31  
h-index

197818

49  
g-index

125  
all docs

125  
docs citations

125  
times ranked

3027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imagery and spatial processes in blindness and visual impairment. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 1346-1360.	6.1	206
2	Consensus Paper: Cerebellum and Social Cognition. <i>Cerebellum</i> , 2020, 19, 833-868.	2.5	205
3	Transcranial direct current stimulation over Broca's region improves phonemic and semantic fluency in healthy individuals. <i>Neuroscience</i> , 2011, 183, 64-70.	2.3	176
4	Baseline Cortical Excitability Determines Whether TMS Disrupts or Facilitates Behavior. <i>Journal of Neurophysiology</i> , 2008, 99, 2725-2730.	1.8	107
5	Common framework for "virtual lesion" and state-dependent TMS: The facilitatory/suppressive range model of online TMS effects on behavior. <i>Brain and Cognition</i> , 2017, 119, 32-38.	1.8	86
6	Blind Vision. , 2011, , .		83
7	The Dorsomedial Prefrontal Cortex Plays a Causal Role in Integrating Social Impressions from Faces and Verbal Descriptions. <i>Cerebral Cortex</i> , 2016, 26, 156-165.	2.9	81
8	The causal role of the lateral occipital complex in visual mirror symmetry detection and grouping: An fMRI-guided TMS study. <i>Cortex</i> , 2014, 51, 46-55.	2.4	75
9	Processing of featural and configural aspects of faces is lateralized in dorsolateral prefrontal cortex: A TMS study. <i>NeuroImage</i> , 2013, 74, 45-51.	4.2	69
10	The causal role of category-specific neuronal representations in the left ventral premotor cortex (PMv) in semantic processing. <i>NeuroImage</i> , 2010, 49, 2728-2734.	4.2	66
11	Contrasting early visual cortical activation states causally involved in visual imagery and short-term memory. <i>European Journal of Neuroscience</i> , 2009, 30, 1393-1400.	2.6	64
12	Using state-dependency of transcranial magnetic stimulation (TMS) to investigate letter selectivity in the left posterior parietal cortex: a comparison of TMS priming and TMS adaptation paradigms. <i>European Journal of Neuroscience</i> , 2008, 28, 1924-1929.	2.6	62
13	The role of the angular gyrus in the modulation of visuospatial attention by the mental number line. <i>NeuroImage</i> , 2009, 44, 563-568.	4.2	61
14	The Causal Role of the Occipital Face Area (OFA) and Lateral Occipital (LO) Cortex in Symmetry Perception. <i>Journal of Neuroscience</i> , 2015, 35, 731-738.	3.6	59
15	The role of the cerebellum in explicit and incidental processing of facial emotional expressions: A study with transcranial magnetic stimulation. <i>NeuroImage</i> , 2018, 169, 256-264.	4.2	59
16	Transcranial magnetic stimulation reveals the content of visual short-term memory in the visual cortex. <i>NeuroImage</i> , 2010, 50, 1683-1689.	4.2	57
17	The role of the prefrontal cortex in controlling gender-stereotypical associations: A TMS investigation. <i>NeuroImage</i> , 2011, 56, 1839-1846.	4.2	56
18	The compensatory dynamic of inter-hemispheric interactions in visuospatial attention revealed using rTMS and fMRI. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 226.	2.0	47

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19	Cerebellar vermis plays a causal role in visual motion discrimination. <i>Cortex</i> , 2014, 58, 272-280.	2.4	47
20	The role of prefrontal and parietal cortices in esthetic appreciation of representational and abstract art: A TMS study. <i>NeuroImage</i> , 2014, 99, 443-450.	4.2	45
21	Overlapping and specific neural correlates for empathizing, affective mentalizing, and cognitive mentalizing: A coordinate-based meta-analytic study. <i>Human Brain Mapping</i> , 2021, 42, 4777-4804.	3.6	45
22	The role of the human extrastriate visual cortex in mirror symmetry discrimination: A TMS-adaptation study. <i>Brain and Cognition</i> , 2011, 77, 120-127.	1.8	44
23	The role of the lateral occipital cortex in aesthetic appreciation of representational and abstract paintings: A TMS study. <i>Brain and Cognition</i> , 2015, 95, 44-53.	1.8	44
24	TMS-Adaptation Reveals Abstract Letter Selectivity in the Left Posterior Parietal Cortex. <i>Cerebral Cortex</i> , 2009, 19, 2321-2325.	2.9	43
25	Investigating visual motion perception using the transcranial magnetic stimulation-adaptation paradigm. <i>NeuroReport</i> , 2008, 19, 1423-1427.	1.2	41
26	The world can look better: enhancing beauty experience with brain stimulation. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1713-1721.	3.0	41
27	Neural correlates associated with superior tactile symmetry perception in the early blind. <i>Cortex</i> , 2015, 63, 104-117.	2.4	40
28	On the Mechanisms of Transcranial Magnetic Stimulation (TMS): How Brain State and Baseline Performance Level Determine Behavioral Effects of TMS. <i>Frontiers in Psychology</i> , 2018, 9, 741.	2.1	40
29	Time course of the state-dependent effect of transcranial magnetic stimulation in the TMS-adaptation paradigm. <i>Neuroscience Letters</i> , 2008, 443, 82-85.	2.1	39
30	The dorsomedial prefrontal cortex mediates the interaction between moral and aesthetic valuation: a TMS study on the <i>beauty-is-good</i> stereotype. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 707-717.	3.0	38
31	A TMS study on the contribution of visual area V5 to the perception of implied motion in art and its appreciation. <i>Cognitive Neuroscience</i> , 2017, 8, 59-68.	1.4	37
32	Crossmodal interaction between the mental number line and peripersonal haptic space representation in sighted and blind individuals. <i>Attention, Perception, and Psychophysics</i> , 2010, 72, 885-890.	1.3	33
33	Initial activation state, stimulation intensity and timing of stimulation interact in producing behavioral effects of TMS. <i>Neuroscience</i> , 2017, 363, 134-141.	2.3	33
34	Spatial biases in peripersonal space in sighted and blind individuals revealed by a haptic line bisection paradigm. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 1110-1121.	0.9	32
35	Dorsomedial prefrontal cortex and cerebellar contribution to in-group attitudes: a transcranial magnetic stimulation study. <i>European Journal of Neuroscience</i> , 2017, 45, 932-939.	2.6	32
36	The neural basis of mirror symmetry detection: a review. <i>Journal of Cognitive Psychology</i> , 2017, 29, 259-268.	0.9	30

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37	Guess who? Investigating the proper name processing network by means of tDCS. <i>Neuropsychologia</i> , 2015, 66, 267-278.	1.6	29
38	Cerebellar contribution to emotional body language perception: a TMS study. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 81-90.	3.0	29
39	Social Distance during the COVID-19 Pandemic Reflects Perceived Rather Than Actual Risk. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5504.	2.6	29
40	The ego-moving metaphor of time relies on visual experience: No representation of time along the sagittal space in the blind.. <i>Journal of Experimental Psychology: General</i> , 2018, 147, 444-450.	2.1	29
41	Supramodality effects in visual and haptic spatial processes.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2008, 34, 631-642.	0.9	28
42	Cross-adaptation combined with TMS reveals a functional overlap between vision and imagery in the early visual cortex. <i>NeuroImage</i> , 2012, 59, 3015-3020.	4.2	28
43	The role of the occipital face area in holistic processing involved in face detection and discrimination: A tDCS study.. <i>Neuropsychologia</i> , 2015, 29, 409-416.	1.3	28
44	Symmetry perception in the blind. <i>Acta Psychologica</i> , 2010, 134, 398-402.	1.5	27
45	Effects of late visual impairment on mental representations activated by visual and tactile stimuli. <i>Brain Research</i> , 2007, 1148, 170-176.	2.2	26
46	Metacognition of Visual Short-Term Memory: Dissociation between Objective and Subjective Components of VSTM. <i>Frontiers in Psychology</i> , 2013, 4, 62.	2.1	26
47	Investigating the Causal Role of rOFA in Holistic Detection of Mooney Faces and Objects: An fMRI-guided TMS Study. <i>Brain Stimulation</i> , 2016, 9, 594-600.	1.6	26
48	How social is the cerebellum? Exploring the effects of cerebellar transcranial direct current stimulation on the prediction of social and physical events. <i>Brain Structure and Function</i> , 2021, 226, 671-684.	2.3	26
49	The dorsomedial prefrontal cortex plays a causal role in mediating in-group advantage in emotion recognition: A TMS study. <i>Neuropsychologia</i> , 2016, 93, 312-317.	1.6	25
50	Distinct cerebellar regions for body motion discrimination. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 72-80.	3.0	25
51	Congenital prosopagnosia is associated with a genetic variation in the oxytocin receptor (OXTR) gene: An exploratory study. <i>Neuroscience</i> , 2016, 339, 162-173.	2.3	24
52	Gender differences in memory for object and word locations. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 904-919.	1.1	23
53	Blind individuals show pseudoneglect in bisecting numerical intervals. <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 1021-1028.	1.3	23
54	The effect of musical expertise on the representation of space. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 250.	2.0	23

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55	Interfering with activity in the dorsomedial prefrontal cortex via TMS affects social impressions updating. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 626-634.	2.0	23
56	Listening to numbers affects visual and haptic bisection in healthy individuals and neglect patients. <i>Neuropsychologia</i> , 2012, 50, 913-925.	1.6	22
57	The mental number line modulates visual cortical excitability. <i>Neuroscience Letters</i> , 2009, 462, 253-256.	2.1	21
58	Auditory deprivation affects biases of visuospatial attention as measured by line bisection. <i>Experimental Brain Research</i> , 2014, 232, 2767-2773.	1.5	21
59	I find you more attractive after (prefrontal cortex) stimulation. <i>Neuropsychologia</i> , 2015, 72, 87-93.	1.6	21
60	TMS over the superior temporal sulcus affects expressivity evaluation of portraits. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018, 18, 1188-1197.	2.0	21
61	Phonological facilitation in picture naming: When and where? A tDCS study. <i>Neuroscience</i> , 2017, 352, 106-121.	2.3	20
62	Overlapping representations of numerical magnitude and motion direction in the posterior parietal cortex: A TMS-adaptation study. <i>Neuroscience Letters</i> , 2011, 490, 145-149.	2.1	19
63	Happiness takes you right: The effect of emotional stimuli on line bisection. <i>Cognition and Emotion</i> , 2014, 28, 325-344.	2.0	18
64	TMS over the posterior cerebellum modulates motor cortical excitability in response to facial emotional expressions. <i>European Journal of Neuroscience</i> , 2021, 53, 1029-1039.	2.6	18
65	Temporary Interference over the Posterior Parietal Cortices Disrupts Thermoregulatory Control in Humans. <i>PLoS ONE</i> , 2014, 9, e88209.	2.5	18
66	Tapping effects on numerical bisection. <i>Experimental Brain Research</i> , 2011, 208, 21-28.	1.5	17
67	Hemispheric asymmetry in discriminating faces differing for featural or configural (second-order) features. <i>Journal of Experimental Psychology: Applied</i> , 2017, 23, 1-17.	2.8	17
68	Space at home and psychological distress during the Covid-19 lockdown in Italy. <i>Journal of Environmental Psychology</i> , 2022, 79, 101747.	5.1	17
69	Dissociable neural representations of grammatical gender in Broca's area investigated by the combination of satiation and TMS. <i>NeuroImage</i> , 2009, 47, 700-704.	4.2	16
70	Modulation of Visual Cortical Excitability by Working Memory: Effect of Luminance Contrast of Mental Imagery. <i>Frontiers in Psychology</i> , 2011, 2, 29.	2.1	16
71	Symmetry Detection in Visual Impairment: Behavioral Evidence and Neural Correlates. <i>Symmetry</i> , 2014, 6, 427-443.	2.2	16
72	Phosphene induction by cerebellar transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2014, 125, 2132-2133.	1.5	15

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73	Comparing the Effects of Congenital and Late Visual Impairments on Visuospatial Mental Abilities. <i>Journal of Visual Impairment and Blindness</i> , 2007, 101, 278-295.	0.7	14
74	The effect of hand movements on numerical bisection judgments in early blind and sighted individuals. <i>Cortex</i> , 2015, 71, 76-84.	2.4	14
75	Why Cyclops could not compete with Ulysses: monocular vision and mental images. <i>NeuroReport</i> , 2006, 17, 723-726.	1.2	13
76	Listening to White Noise Counteracts Visual and Haptic Pseudoneglect. <i>Perception</i> , 2012, 41, 1395-1398.	1.2	13
77	A TMS investigation on the role of the cerebellum in pitch and timbre discrimination. <i>Cerebellum and Ataxias</i> , 2016, 3, 6.	1.9	13
78	The spatial representation of number, time, and serial order following sensory deprivation: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 371-380.	6.1	13
79	Emotion processing in early blind and sighted individuals.. <i>Neuropsychology</i> , 2017, 31, 516-524.	1.3	13
80	Strabismic amblyopia affects relational but not featural and Gestalt processing of faces. <i>Vision Research</i> , 2013, 80, 19-30.	1.4	11
81	Not all visual symmetry is equal: Partially distinct neural bases for vertical and horizontal symmetry. <i>Neuropsychologia</i> , 2017, 104, 126-132.	1.6	11
82	Neural correlates of visual aesthetic appreciation: insights from non-invasive brain stimulation. <i>Experimental Brain Research</i> , 2020, 238, 1-16.	1.5	11
83	Social cognition in the blind brain: A coordinate-based meta-analysis. <i>Human Brain Mapping</i> , 2021, 42, 1243-1256.	3.6	11
84	The effect of vertical and horizontal symmetry on memory for tactile patterns in late blind individuals. <i>Attention, Perception, and Psychophysics</i> , 2013, 75, 375-382.	1.3	10
85	Different Effects of Numerical Magnitude on Visual and Proprioceptive Reference Frames. <i>Frontiers in Psychology</i> , 2013, 4, 190.	2.1	10
86	tDCS Effects on Verbal Fluency: A Response to Vannorsdall et al (2016). <i>Cognitive and Behavioral Neurology</i> , 2016, 29, 117-121.	0.9	10
87	The left posterior cerebellum is involved in orienting attention along the mental number line: An online-TMS study. <i>Neuropsychologia</i> , 2020, 143, 107497.	1.6	10
88	Mental Imagery and Blindness. , 2013, , 115-130.		10
89	An Exploratory TMS Study on Prefrontal Lateralization in Valence Categorization of Facial Expressions. <i>Experimental Psychology</i> , 2017, 64, 282-289.	0.7	10
90	Grasping the sound: Auditory pitch influences size processing in motor planning.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 11-22.	0.9	9

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91	Nonlinear interaction between stimulation intensity and initial brain state: Evidence for the facilitatory/suppressive range model of online TMS effects. <i>Neuroscience Letters</i> , 2021, 742, 135538.	2.1	9
92	Differences in Emotion Recognition From Body and Face Cues Between Deaf and Hearing Individuals. <i>Multisensory Research</i> , 2019, 32, 499-519.	1.1	9
93	Can music be figurative? Exploring the possibility of crossmodal similarities between music and visual arts. <i>Psihologija</i> , 2017, 50, 285-306.	0.6	9
94	The Influence of Reduced Visual Acuity on Age-Related Decline in Spatial Working Memory: An Investigation. <i>Aging, Neuropsychology, and Cognition</i> , 2008, 15, 687-702.	1.3	8
95	Hemispheric asymmetry of liking for representational and abstract paintings. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1934-1942.	2.8	8
96	Medial prefrontal cortex involvement in aesthetic appreciation of paintings: a tDCS study. <i>Cognitive Processing</i> , 2020, 21, 65-76.	1.4	8
97	Visual symmetry perception in early onset monocular blindness. <i>Visual Cognition</i> , 2014, 22, 963-974.	1.6	7
98	Instrumental expertise and musical timbre modulate the spatial representation of pitch. <i>Quarterly Journal of Experimental Psychology</i> , 2020, 73, 1162-1172.	1.1	7
99	State-Dependent Transcranial Magnetic Stimulation (TMS) Protocols. <i>Neuromethods</i> , 2014, , 153-176.	0.3	7
100	Early blindness is associated with increased volume of the uncinate fasciculus. <i>European Journal of Neuroscience</i> , 2018, 47, 427-432.	2.6	6
101	Spatial biases in deaf, blind, and deafblind individuals as revealed by a haptic line bisection task. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 2325-2333.	1.1	6
102	Modulation of corticospinal excitability during paintings viewing: A TMS study. <i>Neuropsychologia</i> , 2020, 149, 107664.	1.6	6
103	Ambiguous idiom processing in Parkinson's disease patients. <i>Cognitive Neuropsychology</i> , 2013, 30, 495-506.	1.1	5
104	Deaf Individuals Show a Leftward Bias in Numerical Bisection. <i>Perception</i> , 2016, 45, 156-164.	1.2	5
105	TMS over right OFA affects individuation of faces but not of exemplars of objects. <i>Neuropsychologia</i> , 2018, 117, 364-370.	1.6	5
106	A walk on the dark side: TMS over the right inferior frontal gyrus (rIFG) disrupts behavioral responses to infant stimuli. <i>Social Neuroscience</i> , 2019, 14, 697-704.	1.3	5
107	Noninvasive Brain Stimulation: An Overview of Available Approaches for Research in Neuroaesthetics. <i>Empirical Studies of the Arts</i> , 2019, 37, 153-171.	1.7	5
108	The Effect of Blindness on Spatial Asymmetries. <i>Brain Sciences</i> , 2020, 10, 662.	2.3	5

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109	Monitoring Eye Movements to Investigate the Picture Superiority Effect in Spatial Memory. <i>Perception</i> , 2008, 37, 34-49.	1.2	4
110	Mental Imagery: <i>Visual Cognition</i> . , 2015, , 220-227.		4
111	Biases in Spatial Bisection Induced by Viewing Male and Female Faces. <i>Experimental Psychology</i> , 2014, 61, 368-377.	0.7	4
112	Effects of complete monocular deprivation in visuo-spatial memory. <i>Brain Research Bulletin</i> , 2008, 77, 112-116.	3.0	3
113	The middle range of the number line orients attention to the left side of visual space. <i>Cognitive Neuropsychology</i> , 2009, 26, 235-246.	1.1	3
114	The Role of Binocular Vision in Driving Pseudoneglect in Visual and Haptic Bisection: Evidence From Strabismic and Monocular Blind Individuals. <i>Multisensory Research</i> , 2020, 33, 549-567.	1.1	3
115	The chronometry of symmetry detection in the lateral occipital (LO) cortex. <i>Neuropsychologia</i> , 2022, 167, 108160.	1.6	3
116	The Spatial Musical Association of Response Codes does not depend on a normal visual experience: A study with early blind individuals. <i>Attention, Perception, and Psychophysics</i> , 2018, 80, 813-821.	1.3	2
117	Different neural representations for detection of symmetry in dot-patterns and in faces: A state-dependent TMS study. <i>Neuropsychologia</i> , 2020, 138, 107333.	1.6	2
118	Viewing of figurative paintings affects pseudoneglect as measured by line bisection. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 3795-3803.	1.3	2
119	Understanding diaschisis models of attention dysfunction with rTMS. <i>Scientific Reports</i> , 2020, 10, 14890.	3.3	2
120	Action and emotion perception in Parkinson's disease: A neuroimaging meta-analysis. <i>NeuroImage: Clinical</i> , 2022, 35, 103031.	2.7	2
121	Exploring the Effects of Brain Stimulation on Musical Taste: tDCS on the Left Dorso-Lateral Prefrontal Cortex: A Null Result. <i>Brain Sciences</i> , 2022, 12, 467.	2.3	1
122	The effect of deafness and musical training on perception of space. <i>Multisensory Research</i> , 2013, 26, 71.	1.1	0
123	How Untidiness Moves the Motor System. <i>Perceptual and Motor Skills</i> , 2022, 129, 399-414.	1.3	0