

Alessio Avenanti

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

6,198
citations

66315

42
h-index

71651

76
g-index

94
all docs

94
docs citations

94
times ranked

4442
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcranial magnetic stimulation highlights the sensorimotor side of empathy for pain. <i>Nature Neuroscience</i> , 2005, 8, 955-960.	7.1	534
2	Racial Bias Reduces Empathic Sensorimotor Resonance with Other-Race Pain. <i>Current Biology</i> , 2010, 20, 1018-1022.	1.8	485
3	Empathy for Pain and Touch in the Human Somatosensory Cortex. <i>Cerebral Cortex</i> , 2007, 17, 2553-2561.	1.6	332
4	Simulating the Future of Actions in the Human Corticospinal System. <i>Cerebral Cortex</i> , 2010, 20, 2511-2521.	1.6	210
5	Somatic and Motor Components of Action Simulation. <i>Current Biology</i> , 2007, 17, 2129-2135.	1.8	206
6	Stimulus-driven modulation of motor-evoked potentials during observation of others' pain. <i>NeuroImage</i> , 2006, 32, 316-324.	2.1	195
7	Low-frequency rTMS promotes use-dependent motor plasticity in chronic stroke. <i>Neurology</i> , 2012, 78, 256-264.	1.5	187
8	Absence of Embodied Empathy During Pain Observation in Asperger Syndrome. <i>Biological Psychiatry</i> , 2009, 65, 55-62.	0.7	173
9	Their pain is not our pain: Brain and autonomic correlates of empathic resonance with the pain of same and different race individuals. <i>Human Brain Mapping</i> , 2013, 34, 3168-3181.	1.9	172
10	Vicarious motor activation during action perception: beyond correlational evidence. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 185.	1.0	154
11	The pain of a model in the personality of an onlooker: Influence of state-reactivity and personality traits on embodied empathy for pain. <i>NeuroImage</i> , 2009, 44, 275-283.	2.1	137
12	Kinesthetic Imagery and Tool-Specific Modulation of Corticospinal Representations in Expert Tennis Players. <i>Cerebral Cortex</i> , 2008, 18, 2382-2390.	1.6	135
13	Fronto-parietal Areas Necessary for a Multisensory Representation of Peripersonal Space in Humans: An rTMS Study. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2956-2967.	1.1	120
14	Corticospinal facilitation during first and third person imagery. <i>Experimental Brain Research</i> , 2006, 168, 143-151.	0.7	118
15	Compensatory Plasticity in the Action Observation Network: Virtual Lesions of STS Enhance Anticipatory Simulation of Seen Actions. <i>Cerebral Cortex</i> , 2013, 23, 570-580.	1.6	115
16	Neuroanatomical substrates of action perception and understanding: an anatomic likelihood estimation meta-analysis of lesion-symptom mapping studies in brain injured patients. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 344.	1.0	114
17	Action Simulation Plays a Critical Role in Deceptive Action Recognition. <i>Journal of Neuroscience</i> , 2013, 33, 611-623.	1.7	108
18	Seeing the pain of others while being in pain: A laser-evoked potentials study. <i>NeuroImage</i> , 2008, 40, 1419-1428.	2.1	104

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19	Boosting and Decreasing Action Prediction Abilities Through Excitatory and Inhibitory tDCS of Inferior Frontal Cortex. <i>Cerebral Cortex</i> , 2018, 28, 1282-1296.	1.6	92
20	Perturbing the Action Observation Network During Perception and Categorization of Actions' Goals and Grips: State-Dependency and Virtual Lesion TMS Effects. <i>Cerebral Cortex</i> , 2015, 25, 598-608.	1.6	79
21	Core, social and moral disgust are bounded: A review on behavioral and neural bases of repugnance in clinical disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 185-200.	2.9	79
22	Motor mapping of implied actions during perception of emotional body language. <i>Brain Stimulation</i> , 2012, 5, 70-76.	0.7	78
23	Freezing or escaping? Opposite modulations of empathic reactivity to the pain of others. <i>Cortex</i> , 2009, 45, 1072-1077.	1.1	77
24	Transcranial magnetic stimulation reveals two functionally distinct stages of motor cortex involvement during perception of emotional body language. <i>Brain Structure and Function</i> , 2015, 220, 2765-2781.	1.2	76
25	Transcranial Direct Current Stimulation in ADHD: A Systematic Review of Efficacy, Safety, and Protocol-induced Electrical Field Modeling Results. <i>Neuroscience Bulletin</i> , 2020, 36, 1191-1212.	1.5	76
26	Temporal dynamics of motor cortex excitability during perception of natural emotional scenes. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1451-1457.	1.5	72
27	Motor Properties of Peripersonal Space in Humans. <i>PLoS ONE</i> , 2009, 4, e6582.	1.1	72
28	Suppression of premotor cortex disrupts motor coding of peripersonal space. <i>NeuroImage</i> , 2012, 63, 281-288.	2.1	71
29	Seeing fearful body language rapidly freezes the observer's motor cortex. <i>Cortex</i> , 2015, 65, 232-245.	1.1	71
30	State-Dependent TMS over Prefrontal Cortex Disrupts Fear-Memory Reconsolidation and Prevents the Return of Fear. <i>Current Biology</i> , 2020, 30, 3672-3679.e4.	1.8	67
31	The causal role of the somatosensory cortex in prosocial behaviour. <i>ELife</i> , 2018, 7, .	2.8	65
32	Don't Do It! Cortical Inhibition and Self-attribution during Action Observation. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1215-1227.	1.1	64
33	Empowering Reentrant Projections from V5 to V1 Boosts Sensitivity to Motion. <i>Current Biology</i> , 2016, 26, 2155-2160.	1.8	63
34	Strengthening functionally specific neural pathways with transcranial brain stimulation. <i>Current Biology</i> , 2018, 28, R735-R736.	1.8	63
35	Understanding "what" others do: mirror mechanisms play a crucial role in action perception. <i>Social Cognitive and Affective Neuroscience</i> , 2011, 6, 257-259.	1.5	57
36	Long-latency interhemispheric interactions between motor-related areas and the primary motor cortex: a dual site TMS study. <i>Scientific Reports</i> , 2017, 7, 14936.	1.6	54

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37	cTBS delivered to the left somatosensory cortex changes its functional connectivity during rest. <i>NeuroImage</i> , 2015, 114, 386-397.	2.1	53
38	Early changes in corticospinal excitability when seeing fearful body expressions. <i>Scientific Reports</i> , 2015, 5, 14122.	1.6	52
39	Left hemisphere dominance in reading the sensory qualities of others' pain?. <i>Social Neuroscience</i> , 2006, 1, 320-333.	0.7	51
40	Independent mechanisms for ventriloquism and multisensory integration as revealed by theta-burst stimulation. <i>European Journal of Neuroscience</i> , 2010, 31, 1791-1799.	1.2	51
41	a-tDCS on the ipsilesional parietal cortex boosts the effects of prism adaptation treatment in neglect. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 647-662.	0.4	51
42	Primary somatosensory cortex necessary for the perception of weight from other people's action: A continuous theta-burst TMS experiment. <i>NeuroImage</i> , 2017, 152, 195-206.	2.1	50
43	Enhanced action performance following TMS manipulation of associative plasticity in ventral premotor-motor pathway. <i>NeuroImage</i> , 2018, 183, 847-858.	2.1	50
44	Tuning alpha rhythms to shape conscious visual perception. <i>Current Biology</i> , 2022, 32, 988-998.e6.	1.8	49
45	Sensorimotor Network Crucial for Inferring Amusement from Smiles. <i>Cerebral Cortex</i> , 2017, 27, 5116-5129.	1.6	45
46	Predicting response originality through brain activity: An analysis of changes in EEG alpha power during the generation of alternative ideas. <i>NeuroImage</i> , 2020, 207, 116385.	2.1	45
47	Blocking facial mimicry affects recognition of facial and body expressions. <i>PLoS ONE</i> , 2020, 15, e0229364.	1.1	45
48	Don't Hurt Me No More: State-dependent Transcranial Magnetic Stimulation for the treatment of specific phobia. <i>Journal of Affective Disorders</i> , 2021, 286, 78-79.	2.0	44
49	Primary somatosensory contribution to action observation brain activity" combining fMRI and cTBS. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1205-1217.	1.5	43
50	Visual, sensorimotor and cognitive routes to understanding others' enjoyment: An individual differences rTMS approach to empathic accuracy. <i>Neuropsychologia</i> , 2018, 116, 86-98.	0.7	42
51	Emotional and movement-related body postures modulate visual processing. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1092-1101.	1.5	41
52	Transcranial direct current stimulation of the medial prefrontal cortex dampens mind-wandering in men. <i>Scientific Reports</i> , 2017, 7, 16962.	1.6	41
53	Early Right Motor Cortex Response to Happy and Fearful Facial Expressions: A TMS Motor-Evoked Potential Study. <i>Brain Sciences</i> , 2021, 11, 1203.	1.1	40
54	Cathodal tDCS Over the Left Prefrontal Cortex Diminishes Choice-Induced Preference Change. <i>Cerebral Cortex</i> , 2015, 25, 1219-1227.	1.6	38

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55	Enhancing creative cognition with a rapid right-parietal neurofeedback procedure. <i>Neuropsychologia</i> , 2018, 118, 99-106.	0.7	38
56	Long-latency modulation of motor cortex excitability by ipsilateral posterior inferior frontal gyrus and pre-supplementary motor area. <i>Scientific Reports</i> , 2016, 6, 38396.	1.6	34
57	Behavioral inhibition system sensitivity enhances motor cortex suppression when watching fearful body expressions. <i>Brain Structure and Function</i> , 2017, 222, 3267-3282.	1.2	34
58	Pictures of disgusting foods and disgusted facial expressions suppress the tongue motor cortex. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 352-362.	1.5	33
59	Anodal transcranial direct current stimulation over the ventromedial prefrontal cortex enhances fear extinction in healthy humans: A single blind sham-controlled study. <i>Brain Stimulation</i> , 2020, 13, 489-491.	0.7	33
60	Driving associative plasticity in premotor-motor connections through a novel paired associative stimulation based on long-latency cortico-cortical interactions. <i>Brain Stimulation</i> , 2020, 13, 1461-1463.	0.7	30
61	Transient Disruption of the Inferior Parietal Lobule Impairs the Ability to Attribute Intention to Action. <i>Current Biology</i> , 2020, 30, 4594-4605.e7.	1.8	27
62	Enjoying vs. smiling: Facial muscular activation in response to emotional language. <i>Biological Psychology</i> , 2016, 118, 126-135.	1.1	26
63	Primary motor cortex crucial for action prediction: A tDCS study. <i>Cortex</i> , 2018, 109, 287-302.	1.1	20
64	Action-related dynamic changes in inferior frontal cortex effective connectivity: A TMS/EEG coregistration study. <i>Cortex</i> , 2018, 108, 193-209.	1.1	20
65	Enhancing Motor Brain Activity Improves Memory for Action Language: A tDCS Study. <i>Cerebral Cortex</i> , 2021, 31, 1569-1581.	1.6	20
66	Weight dependent modulation of motor resonance induced by weight estimation during observation of partially occluded lifting actions. <i>Neuropsychologia</i> , 2015, 66, 237-245.	0.7	19
67	The Sensorimotor Side of Empathy for Pain. , 2006, , 235-256.		19
68	Functional neuroanatomy of racial categorization from visual perception: A meta-analytic study. <i>NeuroImage</i> , 2020, 217, 116939.	2.1	17
69	Counterfactual thinking affects the excitability of the motor cortex. <i>Cortex</i> , 2015, 65, 139-148.	1.1	15
70	Indignation for moral violations suppresses the tongue motor cortex: preliminary TMS evidence. <i>Social Cognitive and Affective Neuroscience</i> , 2020, , .	1.5	15
71	Early motor reactivity to observed human body postures is affected by body expression, not gender. <i>Neuropsychologia</i> , 2020, 146, 107541.	0.7	15
72	The neural inhibition network is causally involved in the disembodiment effect of linguistic negation. <i>Cortex</i> , 2022, 147, 72-82.	1.1	15

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73	State-dependent TMS of inferior frontal and parietal cortices highlights integration of grip configuration and functional goals during action recognition. <i>Cortex</i> , 2020, 132, 51-62.	1.1	11
74	Differential Influence of the Dorsal Premotor and Primary Somatosensory Cortex on Corticospinal Excitability during Kinesthetic and Visual Motor Imagery: A Low-Frequency Repetitive Transcranial Magnetic Stimulation Study. <i>Brain Sciences</i> , 2021, 11, 1196.	1.1	8
75	Affective modulation of cognitive control: A systematic review of EEG studies. <i>Physiology and Behavior</i> , 2022, 249, 113743.	1.0	8
76	Transcranial Magnetic Stimulation Over the Human Medial Posterior Parietal Cortex Disrupts Depth Encoding During Reach Planning. <i>Cerebral Cortex</i> , 2021, 31, 267-280.	1.6	7
77	Mu rhythm and corticospinal excitability capture two different frames of motor resonance: A TMS-EEG co-registration study. <i>Cortex</i> , 2022, 154, 197-211.	1.1	7
78	Unfolding political attitudes through the face: facial expressions when reading emotion language of left- and right-wing political leaders. <i>Scientific Reports</i> , 2019, 9, 15689.	1.6	5
79	Reward and punishment: investigating cortico-bulbar excitability to disclose the value of goods. <i>Frontiers in Psychology</i> , 2013, 4, 39.	1.1	4
80	Modulation of Response Times During Processing of Emotional Body Language. <i>Frontiers in Psychology</i> , 2021, 12, 616995.	1.1	4
81	Sensorimotor inhibition during emotional processing. <i>Scientific Reports</i> , 2022, 12, 6998.	1.6	3
82	Functional and epiphenomenal modulation of neural activity in body-selective visual areas. <i>Cognitive Neuroscience</i> , 2011, 2, 212-214.	0.6	2
83	Social dimensions of pain. <i>Physics of Life Reviews</i> , 2014, 11, 558-561.	1.5	1
84	Remember as we empathize. Do brain mechanisms engaged in autobiographical memory retrieval causally affect empathy awareness? A combined TMS and EEG registered report. <i>Journal of Neuroscience Research</i> , 2021, 99, 2377-2389.	1.3	0
85	Impairments of visually-guided reach plans after transcranial magnetic stimulation over the human medial posterior parietal cortex. <i>Journal of Vision</i> , 2021, 21, 2042.	0.1	0
86	Il versante sensorimotorio dell'empatia per il dolore. , 2007, , 249-271.		0
87	Causal evidence for parietal lobule dynamics supporting intention readout. <i>Journal of Vision</i> , 2020, 20, 1098.	0.1	0