

# 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  | The neural inhibition network is causally involved in the disembodiment effect of linguistic negation. <i>Cortex</i> , 2022, 147, 72-82.  | 1.1 | 15        |
| 2  | Tuning alpha rhythms to shape conscious visual perception. <i>Current Biology</i> , 2022, 32, 988-998.e6.   | 1.8 | 49        |
| 3  | Affective modulation of cognitive control: A systematic review of EEG studies. <i>Physiology and Behavior</i> , 2022, 249, 113743.  | 1.0 | 8         |
| 4  | Sensorimotor inhibition during emotional processing. <i>Scientific Reports</i> , 2022, 12, 6998.  | 1.6 | 3         |
| 5  | 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         |
| 6  | 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         |
| 7  | Enhancing Motor Brain Activity Improves Memory for Action Language: A tDCS Study. <i>Cerebral Cortex</i> , 2021, 31, 1569-1581.   | 1.6 | 20        |
| 8  | Modulation of Response Times During Processing of Emotional Body Language. <i>Frontiers in Psychology</i> , 2021, 12, 616995.   | 1.1 | 4         |
| 9  | 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        |
| 10 | 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         |
| 11 | 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         |
| 12 | 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        |
| 13 | 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         |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | Indignation for moral violations suppresses the tongue motor cortex: preliminary TMS evidence. <i>Social Cognitive and Affective Neuroscience</i> , 2020, , .  | 1.5 | 15        |
| 21 | 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        |
| 22 | Functional neuroanatomy of racial categorization from visual perception: A meta-analytic study. <i>NeuroImage</i> , 2020, 217, 116939.   | 2.1 | 17        |
| 23 | Early motor reactivity to observed human body postures is affected by body expression, not gender. <i>Neuropsychologia</i> , 2020, 146, 107541.  | 0.7 | 15        |
| 24 | Blocking facial mimicry affects recognition of facial and body expressions. <i>PLoS ONE</i> , 2020, 15, e0229364.  | 1.1 | 45        |
| 25 | Causal evidence for parietal lobule dynamics supporting intention readout. <i>Journal of Vision</i> , 2020, 20, 1098.  | 0.1 | 0         |
| 26 | 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         |
| 27 | Enhancing creative cognition with a rapid right-parietal neurofeedback procedure. <i>Neuropsychologia</i> , 2018, 118, 99-106.   | 0.7 | 38        |
| 28 | 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        |
| 29 | 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        |
| 30 | Primary motor cortex crucial for action prediction: A tDCS study. <i>Cortex</i> , 2018, 109, 287-302.  | 1.1 | 20        |
| 31 | Enhanced action performance following TMS manipulation of associative plasticity in ventral premotor-motor pathway. <i>NeuroImage</i> , 2018, 183, 847-858.  | 2.1 | 50        |
| 32 | 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        |
| 33 | Strengthening functionally specific neural pathways with transcranial brain stimulation. <i>Current Biology</i> , 2018, 28, R735-R736.   | 1.8 | 63        |
| 34 | The causal role of the somatosensory cortex in prosocial behaviour. <i>ELife</i> , 2018, 7, .  | 2.8 | 65        |
| 35 | Sensorimotor Network Crucial for Inferring Amusement from Smiles. <i>Cerebral Cortex</i> , 2017, 27, 5116-5129.  | 1.6 | 45        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | Transcranial direct current stimulation of the medial prefrontal cortex dampens mind-wandering in men. <i>Scientific Reports</i> , 2017, 7, 16962.   | 1.6 | 41        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | Enjoying vs. smiling: Facial muscular activation in response to emotional language. <i>Biological Psychology</i> , 2016, 118, 126-135.   | 1.1 | 26        |
| 44 | Empowering Reentrant Projections from V5 to V1 Boosts Sensitivity to Motion. <i>Current Biology</i> , 2016, 26, 2155-2160.   | 1.8 | 63        |
| 45 | 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        |
| 46 | Early changes in corticospinal excitability when seeing fearful body expressions. <i>Scientific Reports</i> , 2015, 5, 14122.  | 1.6 | 52        |
| 47 | 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        |
| 48 | 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        |
| 49 | Seeing fearful body language rapidly freezes the observer's motor cortex. <i>Cortex</i> , 2015, 65, 232-245.   | 1.1 | 71        |
| 50 | 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        |
| 51 | Counterfactual thinking affects the excitability of the motor cortex. <i>Cortex</i> , 2015, 65, 139-148.   | 1.1 | 15        |
| 52 | Emotional and movement-related body postures modulate visual processing. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1092-1101.   | 1.5 | 41        |
| 53 | cTBS delivered to the left somatosensory cortex changes its functional connectivity during rest. <i>NeuroImage</i> , 2015, 114, 386-397.   | 2.1 | 53        |
| 54 | 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        |

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|----|--|-----|-----------|
| 55 | Cathodal tDCS Over the Left Prefrontal Cortex Diminishes Choice-Induced Preference Change. <i>Cerebral Cortex</i> , 2015, 25, 1219-1227.   | 1.6 | 38        |
| 56 | 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       |
| 57 | 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        |
| 58 | Social dimensions of pain. <i>Physics of Life Reviews</i> , 2014, 11, 558-561.   | 1.5 | 1         |
| 59 | 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       |
| 60 | 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       |
| 61 | Action Simulation Plays a Critical Role in Deceptive Action Recognition. <i>Journal of Neuroscience</i> , 2013, 33, 611-623.   | 1.7 | 108       |
| 62 | Reward and punishment: investigating cortico-bulbar excitability to disclose the value of goods. <i>Frontiers in Psychology</i> , 2013, 4, 39.   | 1.1 | 4         |
| 63 | Vicarious motor activation during action perception: beyond correlational evidence. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 185.   | 1.0 | 154       |
| 64 | Low-frequency rTMS promotes use-dependent motor plasticity in chronic stroke. <i>Neurology</i> , 2012, 78, 256-264.  | 1.5 | 187       |
| 65 | Suppression of premotor cortex disrupts motor coding of peripersonal space. <i>NeuroImage</i> , 2012, 63, 281-288.   | 2.1 | 71        |
| 66 | Motor mapping of implied actions during perception of emotional body language. <i>Brain Stimulation</i> , 2012, 5, 70-76.  | 0.7 | 78        |
| 67 | 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       |
| 68 | Functional and epiphenomenal modulation of neural activity in body-selective visual areas. <i>Cognitive Neuroscience</i> , 2011, 2, 212-214.   | 0.6 | 2         |
| 69 | 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        |
| 70 | Racial Bias Reduces Empathic Sensorimotor Resonance with Other-Race Pain. <i>Current Biology</i> , 2010, 20, 1018-1022.  | 1.8 | 485       |
| 71 | 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        |
| 72 | Simulating the Future of Actions in the Human Corticospinal System. <i>Cerebral Cortex</i> , 2010, 20, 2511-2521.  | 1.6 | 210       |

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|----|--|-----|-----------|
| 73 | 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        |
| 74 | Freezing or escaping? Opposite modulations of empathic reactivity to the pain of others. <i>Cortex</i> , 2009, 45, 1072-1077.  | 1.1 | 77        |
| 75 | Absence of Embodied Empathy During Pain Observation in Asperger Syndrome. <i>Biological Psychiatry</i> , 2009, 65, 55-62.  | 0.7 | 173       |
| 76 | 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       |
| 77 | Motor Properties of Peripersonal Space in Humans. <i>PLoS ONE</i> , 2009, 4, e6582.  | 1.1 | 72        |
| 78 | Seeing the pain of others while being in pain: A laser-evoked potentials study. <i>NeuroImage</i> , 2008, 40, 1419-1428.   | 2.1 | 104       |
| 79 | Kinesthetic Imagery and Tool-Specific Modulation of Corticospinal Representations in Expert Tennis Players. <i>Cerebral Cortex</i> , 2008, 18, 2382-2390.                        | 1.6 | 135       |
| 80 | Empathy for Pain and Touch in the Human Somatosensory Cortex. <i>Cerebral Cortex</i> , 2007, 17, 2553-2561.  | 1.6 | 332       |
| 81 | Somatic and Motor Components of Action Simulation. <i>Current Biology</i> , 2007, 17, 2129-2135.   | 1.8 | 206       |
| 82 | Il versante sensorimotorio dell'empatia per il dolore. , 2007, , 249-271.  |     | 0         |
| 83 | Stimulus-driven modulation of motor-evoked potentials during observation of others' pain. <i>NeuroImage</i> , 2006, 32, 316-324.   | 2.1 | 195       |
| 84 | Corticospinal facilitation during first and third person imagery. <i>Experimental Brain Research</i> , 2006, 168, 143-151.   | 0.7 | 118       |
| 85 | Left hemisphere dominance in reading the sensory qualities of others' pain?. <i>Social Neuroscience</i> , 2006, 1, 320-333.  | 0.7 | 51        |
| 86 | The Sensorimotor Side of Empathy for Pain. , 2006, , 235-256.  |     | 19        |
| 87 | Transcranial magnetic stimulation highlights the sensorimotor side of empathy for pain. <i>Nature Neuroscience</i> , 2005, 8, 955-960.   | 7.1 | 534       |