

Salvatore Maria Aglioti

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

5,190
citations

36
h-index

69
g-index

131
ext. papers

6,027
ext. citations

4.2
avg, IF

5.87
L-index

#	Paper	IF	Citations
126	Empathy for pain and touch in the human somatosensory cortex. <i>Cerebral Cortex</i> , 2007 , 17, 2553-61	5.1	289
125	Neural underpinnings of gesture discrimination in patients with limb apraxia. <i>Journal of Neuroscience</i> , 2008 , 28, 3030-41	6.6	219
124	My face in yours: Visuo-tactile facial stimulation influences sense of identity. <i>Social Neuroscience</i> , 2010 , 5, 148-62	2	201
123	Mapping implied body actions in the human motor system. <i>Journal of Neuroscience</i> , 2006 , 26, 7942-9	6.6	199
122	Simulating the future of actions in the human corticospinal system. <i>Cerebral Cortex</i> , 2010 , 20, 2511-21	5.1	193
121	Visually induced analgesia: seeing the body reduces pain. <i>Journal of Neuroscience</i> , 2009 , 29, 12125-30	6.6	188
120	Somatic and motor components of action simulation. <i>Current Biology</i> , 2007 , 17, 2129-35	6.3	188
119	Transcranial magnetic stimulation reveals two cortical pathways for visual body processing. <i>Journal of Neuroscience</i> , 2007 , 27, 8023-30	6.6	187
118	The neural basis of body form and body action agnosia. <i>Neuron</i> , 2008 , 60, 235-46	13.9	174
117	Neural systems underlying observation of humanly impossible movements: an fMRI study. <i>Cerebral Cortex</i> , 2005 , 15, 1761-7	5.1	152
116	Extrastriate body area underlies aesthetic evaluation of body stimuli. <i>Experimental Brain Research</i> , 2010 , 204, 447-56	2.3	142
115	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, 3168-81	5.9	139
114	Kinematics fingerprints of leader and follower role-taking during cooperative joint actions. <i>Experimental Brain Research</i> , 2013 , 226, 473-86	2.3	119
113	The sound of actions in apraxia. <i>Current Biology</i> , 2008 , 18, 1766-72	6.3	119
112	Motor facilitation of the human cortico-spinal system during observation of bio-mechanically impossible movements. <i>NeuroImage</i> , 2005 , 26, 755-63	7.9	113
111	Action anticipation beyond the action observation network: a functional magnetic resonance imaging study in expert basketball players. <i>European Journal of Neuroscience</i> , 2012 , 35, 1646-54	3.5	112
110	Compensatory plasticity in the action observation network: virtual lesions of STS enhance anticipatory simulation of seen actions. <i>Cerebral Cortex</i> , 2013 , 23, 570-80	5.1	105

109	Defective temporal processing of sensory stimuli in DYT1 mutation carriers: a new endophenotype of dystonia?. <i>Brain</i> , 2007 , 130, 134-42	11.2	102
108	Seeing the pain of others while being in pain: a laser-evoked potentials study. <i>NeuroImage</i> , 2008 , 40, 1419-28	7.9	93
107	The primary somatosensory cortex largely contributes to the early part of the cortical response elicited by nociceptive stimuli. <i>NeuroImage</i> , 2012 , 59, 1571-81	7.9	91
106	Mere observation of body discontinuity affects perceived ownership and vicarious agency over a virtual hand. <i>Experimental Brain Research</i> , 2015 , 233, 1247-59	2.3	82
105	Embodying Others in Immersive Virtual Reality: Electro-Cortical Signatures of Monitoring the Errors in the Actions of an Avatar Seen from a First-Person Perspective. <i>Journal of Neuroscience</i> , 2016 , 36, 268-79	6.6	79
104	Boosting and Decreasing Action Prediction Abilities Through Excitatory and Inhibitory tDCS of Inferior Frontal Cortex. <i>Cerebral Cortex</i> , 2018 , 28, 1282-1296	5.1	66
103	Gesture discrimination in primary progressive aphasia: the intersection between gesture and language processing pathways. <i>Journal of Neuroscience</i> , 2010 , 30, 6334-41	6.6	65
102	Repetitive magnetic stimulation: a novel therapeutic approach for myofascial pain syndrome. <i>Journal of Neurology</i> , 2005 , 252, 307-14	5.5	65
101	Somatotopic mapping of piano fingering errors in sensorimotor experts: TMS studies in pianists and visually trained musically naives. <i>Cerebral Cortex</i> , 2014 , 24, 435-43	5.1	63
100	The sense of the body in individuals with spinal cord injury. <i>PLoS ONE</i> , 2012 , 7, e50757	3.7	61
99	Follow my eyes: the gaze of politicians reflexively captures the gaze of ingroup voters. <i>PLoS ONE</i> , 2011 , 6, e25117	3.7	55
98	Don't do it! Cortical inhibition and self-attribution during action observation. <i>Journal of Cognitive Neuroscience</i> , 2009 , 21, 1215-27	3.1	55
97	Body visual discontinuity affects feeling of ownership and skin conductance responses. <i>Scientific Reports</i> , 2015 , 5, 17139	4.9	54
96	Neuroplastic changes related to pain occur at multiple levels of the human somatosensory system: A somatosensory-evoked potentials study in patients with cervical radicular pain. <i>Journal of Neuroscience</i> , 2000 , 20, 9277-83	6.6	51
95	Synchronous with your feelings: sensorimotor {gamma} band and empathy for pain. <i>Journal of Neuroscience</i> , 2009 , 29, 12384-92	6.6	50
94	And yet they act together: interpersonal perception modulates visuo-motor interference and mutual adjustments during a joint-grasping task. <i>PLoS ONE</i> , 2012 , 7, e50223	3.7	47
93	Dynamic construction of the neural networks underpinning empathy for pain. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 63, 191-206	9	45
92	Seeing pain and pleasure on self and others: behavioral and psychophysiological reactivity in immersive virtual reality. <i>Journal of Neurophysiology</i> , 2016 , 116, 2656-2662	3.2	40

91	Competing mechanisms for mapping action-related categorical knowledge and observed actions. <i>Cerebral Cortex</i> , 2010 , 20, 2832-41	5.1	37
90	Error, rather than its probability, elicits specific electrocortical signatures: a combined EEG-immersive virtual reality study of action observation. <i>Journal of Neurophysiology</i> , 2018 , 120, 1107-1118	3.2	36
89	Visual body perception in anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2012 , 45, 501-11	6.3	36
88	Prejudiced interactions: implicit racial bias reduces predictive simulation during joint action with an out-group avatar. <i>Scientific Reports</i> , 2015 , 5, 8507	4.9	36
87	Autistic traits affect interpersonal motor coordination by modulating strategic use of role-based behavior. <i>Molecular Autism</i> , 2017 , 8, 23	6.5	35
86	Do not resonate with actions: sentence polarity modulates cortico-spinal excitability during action-related sentence reading. <i>PLoS ONE</i> , 2011 , 6, e16855	3.7	34
85	Event-related repetitive transcranial magnetic stimulation of posterior superior temporal sulcus improves the detection of threatening postural changes in human bodies. <i>Journal of Neuroscience</i> , 2011 , 31, 17547-54	6.6	34
84	The EnfacementSillusion: A window on the plasticity of the self. <i>Cortex</i> , 2018 , 104, 261-275	3.8	32
83	Illusory movements induced by tendon vibration in right- and left-handed people. <i>Experimental Brain Research</i> , 2015 , 233, 375-83	2.3	31
82	The right temporoparietal junction plays a causal role in maintaining the internal representation of verticality. <i>Journal of Neurophysiology</i> , 2015 , 114, 2983-90	3.2	28
81	Spinal cord lesions shrink peripersonal space around the feet, passive mobilization of paraplegic limbs restores it. <i>Scientific Reports</i> , 2016 , 6, 24126	4.9	26
80	Hands on the future: facilitation of cortico-spinal hand-representation when reading the future tense of hand-related action verbs. <i>European Journal of Neuroscience</i> , 2010 , 32, 677-83	3.5	26
79	Wronger than wrong: Graded mapping of the errors of an avatar in the performance monitoring system of the onlooker. <i>NeuroImage</i> , 2018 , 167, 1-10	7.9	26
78	Local and Remote Cooperation With Virtual and Robotic Agents: A P300 BCI Study in Healthy and People Living With Spinal Cord Injury. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 1622-1632	4.8	23
77	Electrocortical signatures of detecting errors in the actions of others: An EEG study in pianists, non-pianist musicians and musically naïve people. <i>Neuroscience</i> , 2016 , 318, 104-13	3.9	23
76	Situational and dispositional determinants of intentional deceiving. <i>PLoS ONE</i> , 2011 , 6, e19465	3.7	23
75	Inhibition of left anterior intraparietal sulcus shows that mutual adjustment marks dyadic joint-actions in humans. <i>Social Cognitive and Affective Neuroscience</i> , 2018 , 13, 492-500	4	23
74	A look into the ballot box: gaze following conveys information about implicit attitudes toward politicians. <i>Quarterly Journal of Experimental Psychology</i> , 2013 , 66, 209-16	1.8	22

73	Suffering makes you egoist: acute pain increases acceptance rates and reduces fairness during a bilateral ultimatum game. <i>PLoS ONE</i> , 2011 , 6, e26008	3.7	22
72	The "embreathment" illusion highlights the role of breathing in corporeal awareness. <i>Journal of Neurophysiology</i> , 2020 , 123, 420-427	3.2	22
71	Interpersonal multisensory stimulation reduces the overwhelming distracting power of self-gaze: psychophysical evidence for engagement. <i>Scientific Reports</i> , 2014 , 4, 6669	4.9	20
70	Corporeal illusions in chronic spinal cord injuries. <i>Consciousness and Cognition</i> , 2017 , 49, 278-290	2.6	19
69	Fortunes and misfortunes of political leaders reflected in the eyes of their electors. <i>Experimental Brain Research</i> , 2016 , 234, 733-40	2.3	19
68	The motor cost of telling lies: electrocortical signatures and personality foundations of spontaneous deception. <i>Social Neuroscience</i> , 2014 , 9, 573-89	2	19
67	Influence of cognitive stance and physical perspective on subjective and autonomic reactivity to observed pain and pleasure: An immersive virtual reality study. <i>Consciousness and Cognition</i> , 2019 , 67, 86-97	2.6	19
66	From muscles synergies and individual goals to interpersonal synergies and shared goals: mirror neurons and interpersonal action hierarchies: comment on "Grasping synergies: a motor-control approach to the mirror neuron mechanism" by D'Ausilio et al. <i>Physics of Life Reviews</i> , 2015 , 12, 126-8	2.1	18
65	Influence of warmth and competence on the promotion of safe in-group selection: Stereotype content model and social categorization of faces. <i>Quarterly Journal of Experimental Psychology</i> , 2016 , 69, 1464-79	1.8	18
64	Subliminal perception of others' physical pain and pleasure. <i>Experimental Brain Research</i> , 2015 , 233, 2373-82	3.2	18
63	Seeing touch and pain in a stranger modulates the cortical responses elicited by somatosensory but not auditory stimulation. <i>Human Brain Mapping</i> , 2012 , 33, 2873-84	5.9	18
62	Harm avoiders suppress motor resonance to observed immoral actions. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 72-7	4	17
61	Embodying their own wheelchair modifies extrapersonal space perception in people with spinal cord injury. <i>Experimental Brain Research</i> , 2019 , 237, 2621-2632	2.3	17
60	Weighing the stigma of weight: An fMRI study of neural reactivity to the pain of obese individuals. <i>NeuroImage</i> , 2014 , 91, 109-19	7.9	17
59	The attracting power of the gaze of politicians is modulated by the personality and ideological attitude of their voters: a functional magnetic resonance imaging study. <i>European Journal of Neuroscience</i> , 2015 , 42, 2534-45	3.5	17
58	Subliminal presentation of emotionally negative vs positive primes increases the perceived beauty of target stimuli. <i>Experimental Brain Research</i> , 2015 , 233, 3271-81	2.3	15
57	Illusion of arm movement evoked by tendon vibration in patients with spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2016 , 34, 815-26	2.8	15
56	Re-establishing the disrupted sensorimotor loop in deafferented and deafferented people: The case of spinal cord injuries. <i>Neuropsychologia</i> , 2015 , 79, 301-9	3.2	14

55	Mapping reflexive shifts of attention in eye-centered and hand-centered coordinate systems. <i>Human Brain Mapping</i> , 2012 , 33, 165-78	5.9	14
54	Anosognosia for apraxia: experimental evidence for defective awareness of one's own bucco-facial gestures. <i>Cortex</i> , 2014 , 61, 148-57	3.8	14
53	Visuo-motor interference with a virtual partner is equally present in cooperative and competitive interactions. <i>Psychological Research</i> , 2020 , 84, 810-822	2.5	14
52	Seeing One's Own Painful Hand Positioned in the Contralateral Space Reduces Subjective Reports of Pain and Modulates Laser Evoked Potentials. <i>Journal of Pain</i> , 2015 , 16, 499-507	5.2	13
51	Cortico-spinal embodiment of newly acquired, action-related semantic associations. <i>Brain Stimulation</i> , 2013 , 6, 952-8	5.1	13
50	Thermal facial reactivity patterns predict social categorization bias triggered by unconscious and conscious emotional stimuli. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	13
49	Inhibitory Theta Burst Stimulation Highlights the Role of Left aIPS and Right TPJ during Complementary and Imitative Human-Avatar Interactions in Cooperative and Competitive Scenarios. <i>Cerebral Cortex</i> , 2020 , 30, 1677-1687	5.1	12
48	Predicting the fate of basketball throws: an EEG study on expert action prediction in wheelchair basketball players. <i>Experimental Brain Research</i> , 2019 , 237, 3363-3373	2.3	12
47	Violation of expectations about movement and goal achievement leads to Sense of Agency reduction. <i>Experimental Brain Research</i> , 2018 , 236, 2123-2135	2.3	12
46	The bright and the dark sides of motor simulation. <i>Neuropsychologia</i> , 2017 , 105, 92-100	3.2	11
45	Perceiving monetary loss as due to inequity reduces behavioral and cortical responses to pain. <i>European Journal of Neuroscience</i> , 2014 , 40, 2378-88	3.5	10
44	Contextual bottom-up and implicit top-down modulation of anarchic hand syndrome: A single-case report and a review of the literature. <i>Neuropsychologia</i> , 2015 , 78, 122-9	3.2	9
43	Flesh and bone digital sociality: On how humans may go virtual. <i>British Journal of Psychology</i> , 2018 , 109, 418-420	4	9
42	Perceived warmth and competence of others shape voluntary deceptive behaviour in a morally relevant setting. <i>British Journal of Psychology</i> , 2018 , 109, 25-44	4	9
41	Is that me or my twin? Lack of self-face recognition advantage in identical twins. <i>PLoS ONE</i> , 2015 , 10, e0120900	3.7	9
40	rTMS-induced virtual lesion of the posterior parietal cortex (PPC) alters the control of reflexive shifts of social attention triggered by pointing hands. <i>Neuropsychologia</i> , 2014 , 59, 148-56	3.2	9
39	Cognitive load and emotional processing in psoriasis: a thermal imaging study. <i>Experimental Brain Research</i> , 2019 , 237, 211-222	2.3	9
38	Visuo-motor and interoceptive influences on peripersonal space representation following spinal cord injury. <i>Scientific Reports</i> , 2020 , 10, 5162	4.9	8

37	Visual and Sensorimotor Contributions to the Esthetic Appraisal of Body Form, Motion, and Emotion. <i>European Psychologist</i> , 2015 , 20, 16-26	4.4	8
36	Brain activity induced by implicit processing of othersSpain and pleasure. <i>Human Brain Mapping</i> , 2017 , 38, 5562-5576	5.9	7
35	Freedom to act enhances the sense of agency, while movement and goal-related prediction errors reduce it. <i>Psychological Research</i> , 2021 , 85, 987-1004	2.5	7
34	Anticipation of wheelchair and rollerblade actions in spinal cord injured people, rollerbladers, and physiotherapists. <i>PLoS ONE</i> , 2019 , 14, e0213838	3.7	6
33	Right-wing authoritarianism and stereotype-driven expectations interact in shaping intergroup trust in one-shot vs multiple-round social interactions. <i>PLoS ONE</i> , 2017 , 12, e0190142	3.7	6
32	Wearing same- and opposite-sex virtual bodies and seeing them caressed in intimate areas. <i>Quarterly Journal of Experimental Psychology</i> , 2021 , 17470218211031557	1.8	6
31	Physiological and behavioral reactivity to social exclusion: a functional infrared thermal imaging study in patients with psoriasis. <i>Journal of Neurophysiology</i> , 2019 , 121, 38-49	3.2	6
30	Anosognosia for limb and bucco-facial apraxia as inferred from the recognition of gestural errors. <i>Journal of Neuropsychology</i> , 2021 , 15, 20-45	2.6	6
29	Emotional conflict in a model modulates nociceptive processing in an onlooker: a laser-evoked potentials study. <i>Experimental Brain Research</i> , 2013 , 225, 237-45	2.3	5
28	Modulation of preference for abstract stimuli following competence-based social status primes. <i>Experimental Brain Research</i> , 2020 , 238, 193-204	2.3	5
27	Competence-based social status and implicit preference modulate the ability to coordinate during a joint grasping task. <i>Scientific Reports</i> , 2021 , 11, 5321	4.9	5
26	The inside of me: interoceptive constraints on the concept of self in neuroscience and clinical psychology. <i>Psychological Research</i> , 2021 , 1	2.5	5
25	Heterosexual, gay, and lesbian people's reactivity to virtual caresses on their embodied avatars's taboo zones. <i>Scientific Reports</i> , 2021 , 11, 2221	4.9	5
24	Left Threatened by Right: Political Intergroup Bias in the Contemporary Italian Context. <i>Frontiers in Psychology</i> , 2019 , 10, 26	3.4	4
23	Oculomotor behavior tracks the effect of ideological priming on deception. <i>Scientific Reports</i> , 2020 , 10, 9555	4.9	4
22	Embodying Bodies and Worlds. <i>Review of Philosophy and Psychology</i> , 2012 , 3, 109-123	1.4	4
21	Feeling of ownership over an embodied avatar's hand brings about fast changes of fronto-parietal cortical dynamics. <i>Journal of Neuroscience</i> , 2021 ,	6.6	4
20	Frontal and occipito-temporal Theta activity as marker of error monitoring in Human-Avatar joint performance	4	4

19	Midfrontal-occipital EACS modulates cognitive conflicts related to bodily stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2020 ,	4	4
18	Visual feedback from a virtual body modulates motor illusion induced by tendon vibration. <i>Psychological Research</i> , 2021 , 85, 926-938	2.5	4
17	Doing it Wrong: A Systematic Review on Electrocortical and Behavioral Correlates of Error Monitoring in Patients with Neurological Disorders. <i>Neuroscience</i> , 2021 ,	3.9	4
16	"Atypical touch perception in MTS may derive from an abnormally plastic self-representation". <i>Cognitive Neuroscience</i> , 2015 , 6, 139-41	1.7	3
15	Malleability of the self: electrophysiological correlates of the enfacement illusion. <i>Scientific Reports</i> , 2019 , 9, 1682	4.9	3
14	How the stomach and the brain work together at rest. <i>ELife</i> , 2018 , 7,	8.9	3
13	Painful engrams: Oscillatory correlates of working memory for phasic nociceptive laser stimuli. <i>Brain and Cognition</i> , 2017 , 115, 21-32	2.7	2
12	An fMRI study on the neural correlates of social conformity to a sexual minority. <i>Scientific Reports</i> , 2019 , 9, 4691	4.9	2
11	Contextual and social variables modulate aesthetic appreciation of bodily and abstract art stimuli. <i>Acta Psychologica</i> , 2019 , 199, 102881	1.7	2
10	Pain perception during social interactions is modulated by self-related and moral contextual cues. <i>Scientific Reports</i> , 2020 , 10, 41	4.9	2
9	Human moral decision-making through the lens of Parkinson's disease. <i>Npj Parkinsons Disease</i> , 2021 , 7, 18	9.7	2
8	The performance monitoring system is attuned to others' actions during dyadic motor interactions.. <i>Cerebral Cortex</i> , 2022 ,	5.1	1
7	Gut markers of bodily self-consciousness		1
6	Body ownership as a proxy for individual and social separation and connection. <i>Behavioral and Brain Sciences</i> , 2021 , 44, e21	0.9	1
5	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,	3.4	1
4	Computational optimization of transcranial focused ultrasound stimulation: Toward noninvasive, selective stimulation of deep brain structures. <i>Applied Physics Letters</i> , 2021 , 118, 233702	3.4	0
3	Gesture errors in left and right hemisphere damaged patients: A behavioural and anatomical study. <i>Neuropsychologia</i> , 2021 , 162, 108027	3.2	0
2	Reduced ownership over a virtual body modulates dishonesty. <i>iScience</i> , 2022 , 25, 104320	6.1	0

- 1 Deontological Guilt and Disgust Sensitivity Modulate Moral Behaviour. **2021**, 18, 196-210