

Salvatore Maria Aglioti

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

6,610
citations

71097

41
h-index

71682

76
g-index

131
all docs

131
docs citations

131
times ranked

4824
citing authors

#	ARTICLE	IF	CITATIONS
1	Empathy for Pain and Touch in the Human Somatosensory Cortex. <i>Cerebral Cortex</i> , 2007, 17, 2553-2561.	2.9	332
2	Neural Underpinnings of Gesture Discrimination in Patients with Limb Apraxia. <i>Journal of Neuroscience</i> , 2008, 28, 3030-3041.	3.6	254
3	My face in yours: Visuo-tactile facial stimulation influences sense of identity. <i>Social Neuroscience</i> , 2010, 5, 148-162.	1.3	230
4	Mapping Implied Body Actions in the Human Motor System. <i>Journal of Neuroscience</i> , 2006, 26, 7942-7949.	3.6	225
5	Visually Induced Analgesia: Seeing the Body Reduces Pain. <i>Journal of Neuroscience</i> , 2009, 29, 12125-12130.	3.6	223
6	Transcranial Magnetic Stimulation Reveals Two Cortical Pathways for Visual Body Processing. <i>Journal of Neuroscience</i> , 2007, 27, 8023-8030.	3.6	217
7	Simulating the Future of Actions in the Human Corticospinal System. <i>Cerebral Cortex</i> , 2010, 20, 2511-2521.	2.9	210
8	Somatic and Motor Components of Action Simulation. <i>Current Biology</i> , 2007, 17, 2129-2135.	3.9	206
9	The Neural Basis of Body Form and Body Action Agnosia. <i>Neuron</i> , 2008, 60, 235-246.	8.1	197
10	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.	3.6	172
11	Neural Systems Underlying Observation of Humanly Impossible Movements: An fMRI Study. <i>Cerebral Cortex</i> , 2005, 15, 1761-1767.	2.9	165
12	Extrastriate body area underlies aesthetic evaluation of body stimuli. <i>Experimental Brain Research</i> , 2010, 204, 447-456.	1.5	157
13	Kinematics fingerprints of leader and follower role-taking during cooperative joint actions. <i>Experimental Brain Research</i> , 2013, 226, 473-486.	1.5	141
14	The Sound of Actions in Apraxia. <i>Current Biology</i> , 2008, 18, 1766-1772.	3.9	134
15	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, 1646-1654.	2.6	134
16	Motor facilitation of the human cortico-spinal system during observation of bio-mechanically impossible movements. <i>NeuroImage</i> , 2005, 26, 755-763.	4.2	126
17	Defective temporal processing of sensory stimuli in DYT1 mutation carriers: a new endophenotype of dystonia?. <i>Brain</i> , 2006, 130, 134-142.	7.6	122
18	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, 268-279.	3.6	117

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19	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.	2.9	115
20	The primary somatosensory cortex largely contributes to the early part of the cortical response elicited by nociceptive stimuli. <i>NeuroImage</i> , 2012, 59, 1571-1581.	4.2	113
21	Mere observation of body discontinuity affects perceived ownership and vicarious agency over a virtual hand. <i>Experimental Brain Research</i> , 2015, 233, 1247-1259.	1.5	110
22	Seeing the pain of others while being in pain: A laser-evoked potentials study. <i>NeuroImage</i> , 2008, 40, 1419-1428.	4.2	104
23	Boosting and Decreasing Action Prediction Abilities Through Excitatory and Inhibitory tDCS of Inferior Frontal Cortex. <i>Cerebral Cortex</i> , 2018, 28, 1282-1296.	2.9	92
24	Repetitive magnetic stimulation A novel therapeutic approach for myofascial pain syndrome. <i>Journal of Neurology</i> , 2005, 252, 307-314.	3.6	87
25	The Sense of the Body in Individuals with Spinal Cord Injury. <i>PLoS ONE</i> , 2012, 7, e50757.	2.5	87
26	Somatotopic Mapping of Piano Fingering Errors in Sensorimotor Experts: TMS Studies in Pianists and Visually Trained Musically Naïves. <i>Cerebral Cortex</i> , 2014, 24, 435-443.	2.9	73
27	Follow My Eyes: The Gaze of Politicians Reflexively Captures the Gaze of Ingroup Voters. <i>PLoS ONE</i> , 2011, 6, e25117.	2.5	71
28	Body visual discontinuity affects feeling of ownership and skin conductance responses. <i>Scientific Reports</i> , 2015, 5, 17139.	3.3	70
29	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.	1.8	70
30	Gesture Discrimination in Primary Progressive Aphasia: The Intersection between Gesture and Language Processing Pathways. <i>Journal of Neuroscience</i> , 2010, 30, 6334-6341.	3.6	68
31	Don't Do It! Cortical Inhibition and Self-attribution during Action Observation. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1215-1227.	2.3	64
32	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.	1.8	64
33	Dynamic construction of the neural networks underpinning empathy for pain. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 63, 191-206.	6.1	64
34	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, 9277-9283.	3.6	61
35	The "Enfacement" illusion: A window on the plasticity of the self. <i>Cortex</i> , 2018, 104, 261-275.	2.4	58
36	Synchronous with Your Feelings: Sensorimotor β Band and Empathy for Pain. <i>Journal of Neuroscience</i> , 2009, 29, 12384-12392.	3.6	56

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37	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.	2.5	53
38	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.	4.2	50
39	The "embreathment" illusion highlights the role of breathing in corporeal awareness. <i>Journal of Neurophysiology</i> , 2020, 123, 420-427.	1.8	50
40	Do Not Resonate with Actions: Sentence Polarity Modulates Cortico-Spinal Excitability during Action-Related Sentence Reading. <i>PLoS ONE</i> , 2011, 6, e16855.	2.5	46
41	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, 17547-17554.	3.6	46
42	Autistic traits affect interpersonal motor coordination by modulating strategic use of role-based behavior. <i>Molecular Autism</i> , 2017, 8, 23.	4.9	44
43	Prejudiced interactions: implicit racial bias reduces predictive simulation during joint action with an out-group avatar. <i>Scientific Reports</i> , 2015, 5, 8507.	3.3	43
44	The right temporoparietal junction plays a causal role in maintaining the internal representation of verticality. <i>Journal of Neurophysiology</i> , 2015, 114, 2983-2990.	1.8	43
45	Visual body perception in anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2012, 45, 501-511.	4.0	40
46	Illusory movements induced by tendon vibration in right- and left-handed people. <i>Experimental Brain Research</i> , 2015, 233, 375-383.	1.5	40
47	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.	4.9	40
48	Competing Mechanisms for Mapping Action-Related Categorical Knowledge and Observed Actions. <i>Cerebral Cortex</i> , 2010, 20, 2832-2841.	2.9	39
49	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.	3.0	37
50	Situational and Dispositional Determinants of Intentional Deceiving. <i>PLoS ONE</i> , 2011, 6, e19465.	2.5	34
51	Spinal cord lesions shrink peripersonal space around the feet, passive mobilization of paraplegic limbs restores it. <i>Scientific Reports</i> , 2016, 6, 24126.	3.3	34
52	The inside of me: interoceptive constraints on the concept of self in neuroscience and clinical psychology. <i>Psychological Research</i> , 2022, 86, 2468-2477.	1.7	34
53	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, 677-683.	2.6	33
54	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.	1.5	30

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55	The motor cost of telling lies: Electrocortical signatures and personality foundations of spontaneous deception. <i>Social Neuroscience</i> , 2014, 9, 1-17.	1.3	29
56	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, 104-113.	2.3	29
57	Feeling of Ownership over an Embodied Avatar's Hand Brings About Fast Changes of Fronto-Parietal Cortical Dynamics. <i>Journal of Neuroscience</i> , 2022, 42, 692-701.	3.6	29
58	Corporeal illusions in chronic spinal cord injuries. <i>Consciousness and Cognition</i> , 2017, 49, 278-290.	1.5	27
59	Suffering Makes You Egoist: Acute Pain Increases Acceptance Rates and Reduces Fairness during a Bilateral Ultimatum Game. <i>PLoS ONE</i> , 2011, 6, e26008.	2.5	27
60	A look into the ballot box: Gaze following conveys information about implicit attitudes toward politicians. <i>Quarterly Journal of Experimental Psychology</i> , 2013, 66, 209-216.	1.1	25
61	Subliminal perception of others'™ physical pain and pleasure. <i>Experimental Brain Research</i> , 2015, 233, 2373-2382.	1.5	25
62	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, 2534-2545.	2.6	24
63	Interpersonal Multisensory Stimulation reduces the overwhelming distracting power of self-gaze: psychophysical evidence for "engagement"™. <i>Scientific Reports</i> , 2014, 4, 6669.	3.3	24
64	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, 1464-1479.	1.1	24
65	Fortunes and misfortunes of political leaders reflected in the eyes of their electors. <i>Experimental Brain Research</i> , 2016, 234, 733-740.	1.5	23
66	Anosognosia for apraxia: Experimental evidence for defective awareness of one's own bucco-facial gestures. <i>Cortex</i> , 2014, 61, 148-157.	2.4	22
67	Embodying their own wheelchair modifies extrapersonal space perception in people with spinal cord injury. <i>Experimental Brain Research</i> , 2019, 237, 2621-2632.	1.5	22
68	Weighing the stigma of weight: An fMRI study of neural reactivity to the pain of obese individuals. <i>NeuroImage</i> , 2014, 91, 109-119.	4.2	21
69	Violation of expectations about movement and goal achievement leads to Sense of Agency reduction. <i>Experimental Brain Research</i> , 2018, 236, 2123-2135.	1.5	21
70	Re-establishing the disrupted sensorimotor loop in deafferented and deafferented people: The case of spinal cord injuries. <i>Neuropsychologia</i> , 2015, 79, 301-309.	1.6	20
71	From muscles synergies and individual goals to interpersonal synergies and shared goals: Mirror neurons and interpersonal action hierarchies. <i>Physics of Life Reviews</i> , 2015, 12, 126-128.	2.8	20
72	Harm avoiders suppress motor resonance to observed immoral actions. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 72-77.	3.0	20

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73	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.	2.3	20
74	Visuo-motor interference with a virtual partner is equally present in cooperative and competitive interactions. <i>Psychological Research</i> , 2020, 84, 810-822.	1.7	20
75	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.	2.9	20
76	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.	2.5	20
77	Subliminal presentation of emotionally negative vs positive primes increases the perceived beauty of target stimuli. <i>Experimental Brain Research</i> , 2015, 233, 3271-3281.	1.5	19
78	Visuo-motor and interoceptive influences on peripersonal space representation following spinal cord injury. <i>Scientific Reports</i> , 2020, 10, 5162.	3.3	19
79	Doing it Wrong: A Systematic Review on Electrocortical and Behavioral Correlates of Error Monitoring in Patients with Neurological Disorders. <i>Neuroscience</i> , 2022, 486, 103-125.	2.3	19
80	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, 2873-2884.	3.6	18
81	Mapping reflexive shifts of attention in eye-centered and hand-centered coordinate systems. <i>Human Brain Mapping</i> , 2012, 33, 165-178.	3.6	18
82	The bright and the dark sides of motor simulation. <i>Neuropsychologia</i> , 2017, 105, 92-100.	1.6	18
83	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.	1.7	18
84	Heterosexual, gay, and lesbian people's reactivity to virtual caresses on their embodied avatars' taboo zones. <i>Scientific Reports</i> , 2021, 11, 2221.	3.3	18
85	Wearing same- and opposite-sex virtual bodies and seeing them caressed in intimate areas. <i>Quarterly Journal of Experimental Psychology</i> , 2022, 75, 461-474.	1.1	18
86	Illusion of arm movement evoked by tendon vibration in patients with spinal cord injury. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 815-826.	0.7	16
87	Flesh and bone digital sociality: On how humans may go virtual. <i>British Journal of Psychology</i> , 2018, 109, 418-420.	2.3	16
88	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.	1.5	16
89	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.	1.8	16
90	Cortico-Spinal Embodiment of Newly Acquired, Action-Related Semantic Associations. <i>Brain Stimulation</i> , 2013, 6, 952-958.	1.6	15

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91	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.	1.4	15
92	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, 20170908.	2.6	15
93	The performance monitoring system is attuned to others'™ actions during dyadic motor interactions. <i>Cerebral Cortex</i> , 2022, 33, 222-234.	2.9	15
94	Is That Me or My Twin? Lack of Self-Face Recognition Advantage in Identical Twins. <i>PLoS ONE</i> , 2015, 10, e0120900.	2.5	13
95	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, 122-129.	1.6	13
96	Cognitive load and emotional processing in psoriasis: a thermal imaging study. <i>Experimental Brain Research</i> , 2019, 237, 211-222.	1.5	13
97	Midfrontal-occipital $\hat{\imath}$ -tACS modulates cognitive conflicts related to bodily stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 91-100.	3.0	13
98	Visual feedback from a virtual body modulates motor illusion induced by tendon vibration. <i>Psychological Research</i> , 2021, 85, 926-938.	1.7	13
99	Anosognosia for limb and bucco-facial apraxia as inferred from the recognition of gestural errors. <i>Journal of Neuropsychology</i> , 2021, 15, 20-45.	1.4	13
100	Human moral decision-making through the lens of Parkinson's™ disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 18.	5.3	13
101	Competence-based social status and implicit preference modulate the ability to coordinate during a joint grasping task. <i>Scientific Reports</i> , 2021, 11, 5321.	3.3	12
102	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, 148-156.	1.6	11
103	Perceiving monetary loss as due to inequity reduces behavioral and cortical responses to pain. <i>European Journal of Neuroscience</i> , 2014, 40, 2378-2388.	2.6	10
104	Oculomotor behavior tracks the effect of ideological priming on deception. <i>Scientific Reports</i> , 2020, 10, 9555.	3.3	10
105	Visual and Sensorimotor Contributions to the Esthetic Appraisal of Body Form, Motion, and Emotion. <i>European Psychologist</i> , 2015, 20, 16-26.	3.1	10
106	Anticipation of wheelchair and rollerblade actions in spinal cord injured people, rollerbladers, and physiotherapists. <i>PLoS ONE</i> , 2019, 14, e0213838.	2.5	9
107	Left Threatened by Right: Political Intergroup Bias in the Contemporary Italian Context. <i>Frontiers in Psychology</i> , 2019, 10, 26.	2.1	9
108	Modulation of preference for abstract stimuli following competence-based social status primes. <i>Experimental Brain Research</i> , 2020, 238, 193-204.	1.5	9

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109	Reduced ownership over a virtual body modulates dishonesty. <i>IScience</i> , 2022, 25, 104320.	4.1	9
110	Brain activity induced by implicit processing of others' pain and pleasure. <i>Human Brain Mapping</i> , 2017, 38, 5562-5576.	3.6	8
111	Pain perception during social interactions is modulated by self-related and moral contextual cues. <i>Scientific Reports</i> , 2020, 10, 41.	3.3	8
112	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.	2.3	8
113	Interoceptive influences on the production of self-serving lies in reputation risk conditions. <i>International Journal of Psychophysiology</i> , 2022, 177, 34-42.	1.0	8
114	Emotional conflict in a model modulates nociceptive processing in an onlooker: a laser-evoked potentials study. <i>Experimental Brain Research</i> , 2013, 225, 237-245.	1.5	7
115	How the stomach and the brain work together at rest. <i>ELife</i> , 2018, 7, .	6.0	7
116	Painful engrams: Oscillatory correlates of working memory for phasic nociceptive laser stimuli. <i>Brain and Cognition</i> , 2017, 115, 21-32.	1.8	6
117	Malleability of the self: electrophysiological correlates of the enfacement illusion. <i>Scientific Reports</i> , 2019, 9, 1682.	3.3	6
118	Brain Dynamics of Action Monitoring in Higher-Order Motor Control Disorders: The Case of Apraxia. <i>ENeuro</i> , 2022, 9, ENEURO.0334-20.2021.	1.9	6
119	Embodying Bodies and Worlds. <i>Review of Philosophy and Psychology</i> , 2012, 3, 109-123.	1.8	5
120	An fMRI study on the neural correlates of social conformity to a sexual minority. <i>Scientific Reports</i> , 2019, 9, 4691.	3.3	5
121	“Atypical touch perception in MTS may derive from an abnormally plastic self-representation” <i>Cognitive Neuroscience</i> , 2015, 6, 139-141.	1.4	4
122	Deontological Guilt and Disgust Sensitivity Modulate Moral Behaviour.. , 2021, 18, 196-210.		4
123	Body ownership as a proxy for individual and social separation and connection. <i>Behavioral and Brain Sciences</i> , 2021, 44, e21.	0.7	3
124	Gesture errors in left and right hemisphere damaged patients: A behavioural and anatomical study. <i>Neuropsychologia</i> , 2021, 162, 108027.	1.6	3
125	The dopaminergic system supports flexible and rewarding dyadic motor interactive behaviour in Parkinson’s Disease. <i>Social Cognitive and Affective Neuroscience</i> , 0, , .	3.0	3
126	Contextual and social variables modulate aesthetic appreciation of bodily and abstract art stimuli. <i>Acta Psychologica</i> , 2019, 199, 102881.	1.5	2

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127	Computational optimization of transcranial focused ultrasound stimulation: Toward noninvasive, selective stimulation of deep brain structures. Applied Physics Letters, 2021, 118, 233702.	3.3	1