Giovanni Buccino

List of Publications by Year
in descending order

70 papers	11,893 citations	66343 42 h-index	102487 66 g-index
71 all docs	71 docs citations	71 times ranked	7354 citing authors

#	Article	IF	Citations
1	Grasping the Intentions of Others with One's Own Mirror Neuron System. PLoS Biology, 2005, 3, e79.	5.6	1,452
2	Listening to Action-related Sentences Activates Fronto-parietal Motor Circuits. Journal of Cognitive Neuroscience, 2005, 17, 273-281.	2.3	925
3	Neural Circuits Underlying Imitation Learning of Hand Actions. Neuron, 2004, 42, 323-334.	8.1	838
4	Speech listening specifically modulates the excitability of tongue muscles: a TMS study. European Journal of Neuroscience, 2002, 15, 399-402.	2.6	709
5	Neural Circuits Involved in the Recognition of Actions Performed by Nonconspecifics: An fMRI Study. Journal of Cognitive Neuroscience, 2004, 16, 114-126.	2.3	663
6	A fronto-parietal circuit for object manipulation in man: evidence from an fMRI-study. European Journal of Neuroscience, 1999, 11, 3276-3286.	2.6	652
7	Listening to action-related sentences modulates the activity of the motor system: A combined TMS and behavioral study. Cognitive Brain Research, 2005, 24, 355-363.	3.0	564
8	Action observation has a positive impact on rehabilitation of motor deficits after stroke. NeuroImage, 2007, 36, T164-T173.	4.2	536
9	Corticospinal excitability is specifically modulated by motor imagery: a magnetic stimulation study. Neuropsychologia, 1998, 37, 147-158.	1.6	389
10	The mirror neuron system and action recognition. Brain and Language, 2004, 89, 370-376.	1.6	386
11	Cortical mechanism for the visual guidance of hand grasping movements in the monkey: A reversible inactivation study. Brain, 2001, 124, 571-586.	7.6	364
12	Processing Abstract Language Modulates Motor System Activity. Quarterly Journal of Experimental Psychology, 2008, 61, 905-919.	1.1	333
13	Prefrontal involvement in imitation learning of hand actions: Effects of practice and expertise. NeuroImage, 2007, 37, 1371-1383.	4.2	301
14	Functions of the Mirror Neuron System: Implications for Neurorehabilitation. Cognitive and Behavioral Neurology, 2006, 19, 55-63.	0.9	265
15	Action observation treatment: a novel tool in neurorehabilitation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130185.	4.0	253
16	A parieto-premotor network for object manipulation: evidence from neuroimaging. Experimental Brain Research, 1999, 128, 210-213.	1.5	251
17	Motor functions of the Brocaâ€™s region. Brain and Language, 2004, 89, 362-369.	1.6	228
18	The role of ventral premotor cortex in action execution and action understanding. Journal of Physiology (Paris), 2006, 99, 396-405.	2.1	167

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19	A fronto-parietal circuit for tactile object discrimination:. NeuroImage, 2003, 19, 1103-1114.	4.2	154
20	The Different Neural Correlates of Action and Functional Knowledge in Semantic Memory: An fMRI Study. Cerebral Cortex, 2008, 18, 740-751.	2.9	151
21	Broken affordances, broken objects: A TMS study. Neuropsychologia, 2009, 47, 3074-3078.	1.6	139
22	Grasping language â€“ A short story on embodiment. Consciousness and Cognition, 2010, 19, 711-720.	1.5	139
23	Action observation versus motor imagery in learning a complex motor task: A short review of literature and a kinematics study. Neuroscience Letters, 2013, 540, 37-42.	2.1	128
24	Task related modulation of the motor system during language processing. Brain and Language, 2008, 105, 83-90.	1.6	127
25	Improving upper limb motor functions through action observation treatment: a pilot study in children with cerebral palsy. Developmental Medicine and Child Neurology, 2012, 54, 822-828.	2.1	122
26	The mirror neuron system and treatment of stroke. Developmental Psychobiology, 2012, 54, 293-310.	1.6	122
27	Neural substrates for observing and imagining non-object-directed actions. Social Neuroscience, 2008, 3, 261-275.	1.3	114
28	Action Observation Treatment Improves Recovery of Postsurgical Orthopedic Patients: Evidence for a Top-Down Effect?. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1489-1494.	0.9	97
29	On the tip of the tongue: Modulation of the primary motor cortex during audiovisual speech perception. Speech Communication, 2010, 52, 533-541.	2.8	85
30	Action observation treatment improves autonomy in daily activities in Parkinson's disease patients: Results from a pilot study. Movement Disorders, 2011, 26, 1963-1964.	3.9	78
31	Brain repair after strokeâ€”a novel neurological model. Nature Reviews Neurology, 2013, 9, 698-707.	10.1	69
32	Grounding meaning in experience: A broad perspective on embodied language. Neuroscience and Biobehavioral Reviews, 2016, 69, 69-78.	6.1	68
33	Polymodal conceptual processing of human biological actions in the left inferior frontal lobe. European Journal of Neuroscience, 2007, 25, 881-889.	2.6	64
34	The neural basis for understanding non-intended actions. NeuroImage, 2007, 36, T119-T127.	4.2	63
35	Brain function overlaps when people observe emblems, speech, and grasping. Neuropsychologia, 2013, 51, 1619-1629.	1.6	57
36	Languageâ€“motor interference reflected in MEG beta oscillations. NeuroImage, 2015, 109, 438-448.	4.2	53

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37	Mirror neurons and the understanding of behavioural symptoms in psychiatric disorders. Current Opinion in Psychiatry, 2008, 21, 281-285.	6.3	52
38	Enhancement of motor consolidation by post-training transcranial direct current stimulation in older people. Neurobiology of Aging, 2017, 49, 1-8.	3.1	52
39	Action Observation Treatment Improves Upper Limb Motor Functions in Children with Cerebral Palsy: A Combined Clinical and Brain Imaging Study. Neural Plasticity, 2018, 2018, 1-11.	2.2	51
40	Supramodal Representation of Objects and Actions in the Human Inferior Temporal and Ventral Premotor Cortex. Cortex, 2004, 40, 159-161.	2.4	50
41	How the motor system handles nouns: a behavioral study. Psychological Research, 2013, 77, 64-73.	1.7	50
42	Abstract and Concrete Sentences, Embodiment, and Languages. Frontiers in Psychology, 2011, 2, 227.	2.1	47
43	Activation of cerebellar hemispheres in spatial memorization of saccadic eye movements: An fMRI study. Human Brain Mapping, 2004, 22, 155-164.	3.6	44
44	Processing graspable object images and their nouns is impaired in Parkinson's disease patients. Cortex, 2018, 100, 32-39.	2.4	44
45	Cerebral Activation During Initial Motor Learning Forecasts Subsequent Sleep-Facilitated Memory Consolidation in Older Adults. Cerebral Cortex, 2017, 27, bhv347.	2.9	40
46	Language sensorimotor specificity modulates the motor system. Cortex, 2012, 48, 849-856.	2.4	37
47	Viewing photos and reading nouns of natural graspable objects similarly modulate motor responses. Frontiers in Human Neuroscience, 2014, 8, 968.	2.0	37
48	Nouns referring to tools and natural objects differentially modulate the motor system. Neuropsychologia, 2012, 50, 19-25.	1.6	33
49	Action and object words are differentially anchored in the sensory motor system - A perspective on cognitive embodiment. Scientific Reports, 2018, 8, 6583.	3.3	32
50	Mirror apraxia affects the peripersonal mirror space. A combined lesion and cerebral activation study. Experimental Brain Research, 2003, 153, 210-219.	1.5	27
51	Neural Dynamics of Learning Soundâ€"Action Associations. PLoS ONE, 2008, 3, e3845.	2.5	25
52	Fluent Speakers of a Second Language Process Graspable Nouns Expressed in L2 Like in Their Native Language. Frontiers in Psychology, 2017, 8, 1306.	2.1	23
53	Action Observation Treatment in a tele-rehabilitation setting: a pilot study in children with cerebral palsy. Disability and Rehabilitation, 2022, 44, 1107-1112.	1.8	21
54	Walking indoors, walking outdoors: an fMRI study. Frontiers in Psychology, 2015, 6, 1502.	2.1	18

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55	The role of the parietal cortex in sensorimotor transformations and action coding. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 151, 467-479.	1.8	16
56	Evidence for the Concreteness of Abstract Language: A Meta-Analysis of Neuroimaging Studies. Brain Sciences, 2022, 12, 32.	2.3	16
57	The concreteness of abstract language: an ancient issue and a new perspective. Brain Structure and Function, 2019, 224, 1385-1401.	2.3	12
58	The role of affordances in inhibition of return. Psychonomic Bulletin and Review, 2006, 13, 1085-1090.	2.8	10
59	Chained Activation of the Motor System during Language Understanding. Frontiers in Psychology, 2017, 8, 199.	2.1	8
60	Embodied language and the process of language learning and teaching. Consciousness & Emotion Book Series, 0, , 191-208.	0.2	7
61	What matters is the underlying experience: Similar motor responses during processing observed hand actions and handâ€related verbs. Journal of Neuropsychology, 2022, 16, 389-406.	1.4	7
62	Does comprehension of symbolic gestures and corresponding-in-meaning words make use of motor simulation?. Behavioural Brain Research, 2014, 259, 297-301.	2.2	6
63	The Semantics of Natural Objects and Tools in the Brain: A Combined Behavioral and MEG Study. Brain Sciences, 2022, 12, 97.	2.3	6
64	Combining Action Observation Treatment with a Brainâ€“Computer Interface System: Perspectives on Neurorehabilitation. Sensors, 2021, 21, 8504.	3.8	5
65	How Do We Motorically Resonate in Aging? A Compensatory Role of Prefrontal Cortex. Frontiers in Aging Neuroscience, 2021, 13, 694676.	3.4	4
66	The Anatomy and Physiology of the Motor System in Humans. , 0, , 507-539.		3
67	Respiratory function modulated during execution, observation, and imagination of walking via SII. Scientific Reports, 2021, 11, 23752.	3.3	2
68	Motor sequence learning in patients with ideomotor apraxia: Effects of long-term training. Neuropsychologia, 2021, 159, 107921.	1.6	1
69	Response: Commentary: Viewing photos and reading nouns of natural graspable objects similarly modulate motor responses. Frontiers in Human Neuroscience, 2015, 9, 524.	2.0	0
70	Neuroni specchio in etÃ evolutiva: prospettive cliniche e di ricerca. , 2014, , 191-204.		0