## Alessandro Farne'

List of Publications by Year in descending order

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161 papers

9,022 citations

48 h-index

44069

89 g-index

176 all docs

176 docs citations

176 times ranked

4383 citing authors

#	Article	IF	CITATIONS
1	Prism adaptation to a rightward optical deviation rehabilitates left hemispatial neglect. Nature, 1998, 395, 166-169.	27.8	886
2	Hemispatial neglect. Neurology, 2004, 62, 749-756.	1.1	520
3	Dynamic size-change of hand peripersonal space following tool use. NeuroReport, 2000, 11, 1645-1649.	1.2	344
4	Tool-use induces morphological updating of the body schema. Current Biology, 2009, 19, R478-R479.	3.9	308
5	Shaping multisensory action–space with tools: evidence from patients with cross-modal extinction. Neuropsychologia, 2005, 43, 238-248.	1.6	256
6	Seeing where your hands are. Nature, 1997, 388, 730-730.	27.8	247
7	Neuropsychological Evidence of an Integrated Visuotactile Representation of Peripersonal Space in Humans. Journal of Cognitive Neuroscience, 1998, 10, 581-589.	2.3	216
8	Extended Multisensory Space in Blind Cane Users. Psychological Science, 2007, 18, 642-648.	3.3	216
9	Peripersonal Space and Body Schema: Two Labels for the Same Concept?. Brain Topography, 2009, 21, 252-260.	1.8	193
10	Parietal rTMS distorts the mental number line: Simulating â€~spatial' neglect in healthy subjects. Neuropsychologia, 2006, 44, 860-868.	1.6	183
11	Ameliorating neglect with prism adaptation: visuo-manual and visuo-verbal measures. Neuropsychologia, 2002, 40, 718-729.	1.6	170
12	Are perception and action affected differently by the Titchener circles illusion?. Experimental Brain Research, 1999, 127, 95-101.	1.5	168
13	Patterns of spontaneous recovery of neglect and associated disorders in acute right brain-damaged patients. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1401-1410.	1.9	168
14	Left tactile extinction following visual stimulation of a rubber hand. Brain, 2000, 123, 2350-2360.	7.6	167
15	Prism adaptation in the rehabilitation of patients with visuo-spatial cognitive disorders. Current Opinion in Neurology, 2006, 19, 534-542.	3.6	150
16	Dissociated long lasting improvements of straight-ahead pointing and line bisection tasks in two hemineglect patients. Neuropsychologia, 2002, 40, 327-334.	1.6	144
17	Sensing with tools extends somatosensory processing beyond the body. Nature, 2018, 561, 239-242.	27.8	120
18	Tool-use: An open window into body representation and its plasticity. Cognitive Neuropsychology, 2016, 33, 82-101.	1.1	116

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19	Action-specific remapping of peripersonal space. Neuropsychologia, 2010, 48, 796-802.	1.6	113
20	Auditory Peripersonal Space in Humans. Journal of Cognitive Neuroscience, 2002, 14, 1030-1043.	2.3	105
21	Multisensory Representation of the Space Near the Hand. Neuroscientist, 2014, 20, 122-135.	3.5	104
22	Visual Enhancing of Tactile Perception in the Posterior Parietal Cortex. Journal of Cognitive Neuroscience, 2004, 16, 24-30.	2.3	98
23	Coding of Visual Space during Motor Preparation: Approaching Objects Rapidly Modulate Corticospinal Excitability in Hand-Centered Coordinates. Journal of Neuroscience, 2009, 29, 11841-11851.	3.6	96
24	Grasping actions remap peripersonal space. NeuroReport, 2009, 20, 913-917.	1.2	94
25	In search of biased egocentric reference frames in neglect. Neuropsychologia, 1998, 36, 611-623.	1.6	90
26	Neuropsychological evidence of modular organization of the near peripersonal space. Neurology, 2005, 65, 1754-1758.	1.1	89
27	Inhibition of return and the human frontal eye fields. Experimental Brain Research, 2003, 150, 290-296.	1.5	87
28	Visuo-motor control of the ipsilateral hand: evidence from right brain-damaged patients. Neuropsychologia, 2003, 41, 739-757.	1.6	87
29	Bottom-up transfer of sensory-motor plasticity to recovery of spatial cognition: visuomotor adaptation and spatial neglect. Progress in Brain Research, 2003, 142, 273-287.	1.4	87
30	Grab an object with a tool and change your body: tool-use-dependent changes of body representation for action. Experimental Brain Research, 2012, 218, 259-271.	1.5	87
31	Visual peripersonal space centred on the face in humans. Brain, 1998, 121, 2317-2326.	7.6	85
32	Dynamic Size-Change of Peri-Hand Space Following Tool-Use: Determinants and Spatial Characteristics Revealed Through Cross-Modal Extinction. Cortex, 2007, 43, 436-443.	2.4	84
33	Feeling sounds after a thalamic lesion. Annals of Neurology, 2007, 62, 433-441.	5.3	84
34	Seeing or not seeing where your hands are. Experimental Brain Research, 2000, 131, 458-467.	1.5	82
35	Losing One's Hand: Visual-Proprioceptive Conflict Affects Touch Perception. PLoS ONE, 2009, 4, e6920.	2.5	79
36	Can vision of the body ameliorate impaired somatosensory function?. Neuropsychologia, 2007, 45, 1101-1107.	1.6	77

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37	When action is not enough: Tool-use reveals tactile-dependent access to Body Schema. Neuropsychologia, 2011, 49, 3750-3757.	1.6	76
38	Hand kinematics during reaching and grasping in the macaque monkey. Behavioural Brain Research, 2000, 117, 75-82.	2.2	72
39	Visuo-tactile representation of near-the-body space. Journal of Physiology (Paris), 2004, 98, 161-170.	2.1	69
40	Costs and benefits of tool-use on the perception of reachable space. Acta Psychologica, 2014, 148, 91-95.	1.5	69
41	Prism adaptation in the healthy brain: The shift in line bisection judgments is long lasting and fluctuates. Neuropsychologia, 2014, 53, 165-170.	1.6	68
42	Bilateral representations of touch in the primary somatosensory cortex. Cognitive Neuropsychology, 2016, 33, 48-66.	1.1	68
43	The Contribution of Primary and Secondary Somatosensory Cortices to the Representation of Body Parts and Body Sides: An fMRI Adaptation Study. Journal of Cognitive Neuroscience, 2012, 24, 2306-2320.	2.3	62
44	Neglect and extinction: within and between sensory modalities. Restorative Neurology and Neuroscience, 2006, 24, 217-32.	0.7	58
45	Tool-use induces morphological updating of the body schema. Current Biology, 2009, 19, 1157.	3.9	57
46	Touch perception reveals the dominance of spatial over digital representation of numbers. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5644-5648.	7.1	56
47	Spatial coding of touch at the fingers: Insights from double simultaneous stimulation within and between hands. Neuroscience Letters, 2011, 487, 78-82.	2.1	55
48	Somatosensory Cortex Efficiently Processes Touch Located Beyond the Body. Current Biology, 2019, 29, 4276-4283.e5.	3.9	53
49	Auditory Peripersonal Space in Humans: a Case of Auditory-Tactile Extinction. Neurocase, 2001, 7, 97-103.	0.6	52
50	Face or Hand, Not Both. Current Biology, 2002, 12, 1342-1346.	3.9	51
51	Dynamic size-change of peri-hand space through tool-use: Spatial extension or shift of the multi-sensory area. Journal of Neuropsychology, 2007, 1, 101-114.	1.4	48
52	Tool use imagery triggers tool incorporation in the body schema. Frontiers in Psychology, 2014, 5, 492.	2.1	48
53	It's in the eyes: Planning precise manual actions before execution. Journal of Vision, 2016, 16, 18.	0.3	47
54	Selective impairment of self body-parts processing in right brain-damaged patients. Cortex, 2010, 46, 322-328.	2.4	46

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55	The role played by tool-use and tool-length on the Plastic Elongation of peri-hand space: a single case study. Cognitive Neuropsychology, 2005, 22, 408-418.	1.1	45
56	Early integration of bilateral touch in the primary somatosensory cortex. Human Brain Mapping, 2015, 36, 1506-1523.	3.6	45
57	Close to me: Multisensory space representations for action and pre-reflexive consciousness of oneself-in-the-world. Consciousness and Cognition, 2007, 16, 687-699.	1.5	43
58	Keeping the world at hand: rapid visuomotor processing for hand–object interactions. Experimental Brain Research, 2012, 219, 421-428.	1.5	43
59	Locating the Human Frontal Eye Fields With Transcranial Magnetic Stimulation. Journal of Clinical and Experimental Neuropsychology, 2002, 24, 930-940.	1.3	41
60	The rules of tool incorporation: Tool morpho-functional & Ensoritation constraints. Cognition, 2016, 149, 1-5.	2.2	41
61	The Rubber Hand Illusion: Two's a company, but three's a crowd. Consciousness and Cognition, 2012, 21, 799-812.	1.5	40
62	Neglect: A multisensory deficit?. Neuropsychologia, 2012, 50, 1029-1044.	1.6	40
63	Cooperative tool-use reveals peripersonal and interpersonal spaces are dissociable. Cognition, 2017, 166, 13-22.	2.2	38
64	Viewing less to see better. Journal of Neurology, Neurosurgery and Psychiatry, 2002, 73, 195-198.	1.9	36
65	Visual processing of moving and static self body-parts. Neuropsychologia, 2009, 47, 1988-1993.	1.6	36
66	Disentangling Action from Social Space: Tool-Use Differently Shapes the Space around Us. PLoS ONE, 2016, 11, e0154247.	2.5	35
67	Beyond the window: multisensory representation of peripersonal space across a transparent barrier. International Journal of Psychophysiology, 2003, 50, 51-61.	1.0	34
68	Goal-oriented gaze strategies afforded by object interaction. Vision Research, 2015, 106, 47-57.	1.4	34
69	Boosting Norepinephrine Transmission Triggers Flexible Reconfiguration of Brain Networks at Rest. Cerebral Cortex, 2016, 27, 4691-4700.	2.9	34
70	Embodiment into a robot increases its acceptability. Scientific Reports, 2019, 9, 10083.	3.3	34
71	Rubber hand illusion modulates the influences of somatosensory and parietal inputs to the motor cortex. Journal of Neurophysiology, 2019, 121, 563-573.	1.8	34
72	Facial macrosomatognosia and pain in a case of Wallenberg's syndrome: Selective effects of vestibular and transcutaneous stimulations. Neuropsychologia, 2012, 50, 245-253.	1.6	33

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73	The long developmental trajectory of body representation plasticity following tool use. Scientific Reports, 2021, 11, 559.	3.3	32
74	A Role for the Parietal Cortex in Sensorimotor Adaptation of Saccades. Cerebral Cortex, 2014, 24, 304-314.	2.9	30
75	Proprioception Is Necessary for Body Schema Plasticity: Evidence from a Deafferented Patient. Frontiers in Human Neuroscience, 2016, 10, 272.	2.0	30
76	The asymmetrical effect of leftward and rightward prisms on intact visuospatial cognition. Cortex, 2017, 97, 23-31.	2.4	30
77	Somatosensory-guided tool use modifies arm representation for action. Scientific Reports, 2019, 9, 5517.	3.3	30
78	Peripersonal Space. Frontiers in Neuroscience, 2011, , 449-466.	0.0	29
79	Touch improvement at the hand transfers to the face. Current Biology, 2014, 24, R736-R737.	3.9	28
80	The Agent is Right: When Motor Embodied Cognition is Space-Dependent. PLoS ONE, 2011, 6, e25036.	2.5	27
81	Depth: the Forgotten Dimension inÂMultisensoryÂResearch. Multisensory Research, 2016, 29, 493-524.	1.1	27
82	Action Planning Modulates Peripersonal Space. Journal of Cognitive Neuroscience, 2019, 31, 1141-1154.	2.3	27
83	Somatotopy and temporal dynamics of sensorimotor interactions: evidence from double afferent inhibition. European Journal of Neuroscience, 2015, 41, 1459-1465.	2.6	26
84	Prism Adaptation Alters Electrophysiological Markers of Attentional Processes in the Healthy Brain. Journal of Neuroscience, 2016, 36, 1019-1030.	3.6	26
85	Exploring the Effect of Cooperation in Reducing Implicit Racial Bias and Its Relationship With Dispositional Empathy and Political Attitudes. Frontiers in Psychology, 2020, 11, 510787.	2.1	21
86	Remission of anosognosia for right hemiplegia and neglect after caloric vestibular stimulation. Restorative Neurology and Neuroscience, 2013, 31, 19-24.	0.7	20
87	Mind the Depth: Visual Perception of Shapes Is Better in Peripersonal Space. Psychological Science, 2018, 29, 1868-1877.	3.3	20
88	Neglect determined by the relative location of responses. Brain, 1994, 117, 705-714.	7.6	19
89	The helmet head restraint system: A viable solution for resting state fMRI in awake monkeys. Neurolmage, 2014, 86, 536-543.	4.2	19
90	The impact of a visual spatial frame on real sound-source localization in virtual reality. Current Research in Behavioral Sciences, 2020, 1, 100003.	4.1	18

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91	Reaching to sounds in virtual reality: A multisensory-motor approach to promote adaptation to altered auditory cues. Neuropsychologia, 2020, 149, 107665.	1.6	18
92	The Peripersonal Space in a social world. Cortex, 2021, 142, 28-46.	2.4	17
93	Task-dependent visual coding of sound position in visuospatial neglect patients. NeuroReport, 2003, 14, 99-103.	1.2	16
94	Tonal cues modulate line bisection performance: preliminary evidence for a new rehabilitation prospect?. Frontiers in Psychology, 2013, 4, 704.	2.1	16
95	Probing the role of the vestibular system in motivation and reward-based attention. Cortex, 2018, 103, 82-99.	2.4	16
96	Mental space maps into the future. Cognition, 2018, 176, 65-73.	2.2	16
97	Seeing Your Error Alters My Pointing: Observing Systematic Pointing Errors Induces Sensori-Motor After-Effects. PLoS ONE, 2011, 6, e21070.	2.5	15
98	Spatial Perspective and Coordinate Systems in Autoscopy: A Case Report of a "Fantome de Profil―in Occipital Brain Damage. Journal of Cognitive Neuroscience, 2011, 23, 1741-1751.	2.3	15
99	Vision of the body and the differentiation of perceived body side in touch. Cortex, 2013, 49, 1340-1351.	2.4	15
100	Neuromagnetic correlates of adaptive plasticity across the hand-face border in human primary somatosensory cortex. Journal of Neurophysiology, 2016, 115, 2095-2104.	1.8	15
101	Studying Multisensory Processing and Its Role in the Representation of Space through Pathological and Physiological Crossmodal Extinction. Frontiers in Psychology, 2011, 2, 89.	2.1	14
102	Paired-Pulse Parietal-Motor Stimulation Differentially Modulates Corticospinal Excitability across Hemispheres When Combined with Prism Adaptation. Neural Plasticity, 2016, 2016, 1-9.	2.2	14
103	Anticipatory eye fixations reveal tool knowledge for tool interaction. Experimental Brain Research, 2016, 234, 2415-2431.	1.5	14
104	Adding methylphenidate to prism-adaptation improves outcome in neglect patients. A randomized clinical trial. Cortex, 2018, 106, 288-298.	2.4	14
105	Peripersonal and reaching space differ: Evidence from their spatial extent and multisensory facilitation pattern. Psychonomic Bulletin and Review, 2021, 28, 1894-1905.	2.8	14
106	Changing ideas about others' intentions: updating prior expectations tunes activity in the human motor system. Scientific Reports, 2016, 6, 26995.	3.3	13
107	Adaptation to Leftward Shifting Prisms Alters Motor Interhemispheric Inhibition. Cerebral Cortex, 2018, 28, 528-537.	2.9	13
108	Close facial emotions enhance physiological responses and facilitate perceptual discrimination. Cortex, 2021, 138, 40-58.	2.4	13

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109	Spatial Hearing Difficulties in Reaching Space in Bilateral Cochlear Implant Children Improve With Head Movements. Ear and Hearing, 2022, 43, 192-205.	2.1	13
110	Eye dominance modulates visuospatial attention. Neuropsychologia, 2020, 141, 107314.	1.6	12
111	Increases of corticospinal excitability in selfâ€related processing. European Journal of Neuroscience, 2012, 36, 2716-2721.	2.6	11
112	There or not there? A multidisciplinary review and research agenda on the impact of transparent barriers on human perception, action, and social behavior. Frontiers in Psychology, 2015, 6, 1381.	2.1	11
113	The sense of body-ownership gates cross-modal improvement of tactile extinction in brain-damaged patients. Cortex, 2020, 127, 94-107.	2.4	11
114	The toolish hand illusion: embodiment of a tool based on similarity with the hand. Scientific Reports, 2021, 11, 2024.	3.3	11
115	Implicit body representations in action. Advances in Consciousness Research, 2005, , 111-125.	0.2	11
116	Adapting to altered auditory cues: Generalization from manual reaching to head pointing. PLoS ONE, 2022, 17, e0263509.	2.5	11
117	Sensorimotor and social aspects of peripersonal space. Neuropsychologia, 2015, 70, 309-312.	1.6	10
118	Studying the neural bases of prism adaptation using fMRI: A technical and design challenge. Behavior Research Methods, 2017, 49, 2031-2043.	4.0	10
119	Vision facilitates tactile perception when grasping an object. Scientific Reports, 2018, 8, 15653.	3.3	10
120	The half of the story we did not know about prism adaptation. Cortex, 2019, 119, 141-157.	2.4	10
121	Hands Ahead in Mind and Motion: Active Inference in Peripersonal Hand Space. Vision (Switzerland), 2019, 3, 15.	1.2	10
122	Assessing Spatial and Temporal Reliability of the Vive System as a Tool for Naturalistic Behavioural Research., 2019,,.		10
123	Neuropsychological Evidence for Multimodal Representations of Space near Specific Body Parts. , 2004, , 68-98.		10
124	A neural surveyor to map touch on the body. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
125	Left or right? Rapid visuomotor coding of hand laterality during motor decisions. Cortex, 2015, 64, 289-292.	2.4	9
126	Optic flow selectivity in the macaque parieto-occipital sulcus. Brain Structure and Function, 2021, 226, 2911-2930.	2.3	9

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127	Testing Cognition and Rehabilitation in Unilateral Neglect with Wedge Prism Adaptation: Multiple Interplays Between Sensorimotor Adaptation and Spatial Cognition., 2015,, 359-381.		9
128	Poor hand-pointing to sounds in right brain-damaged patients: Not just a problem of spatial-hearing. Brain and Cognition, 2005, 59, 215-224.	1.8	8
129	Deployment of spatial attention without moving the eyes is boosted by oculomotor adaptation. Frontiers in Human Neuroscience, 2015, 9, 426.	2.0	8
130	Increasing Attentional Load Boosts Saccadic Adaptation. , 2015, 56, 6304.		8
131	Online proprioception feeds plasticity of arm representation following tool-use in healthy aging. Scientific Reports, 2020, 10, 17275.	3.3	8
132	Me, you, and our object: Peripersonal space recruitment during executed and observed actions depends on object ownership Journal of Experimental Psychology: General, 2021, 150, 1410-1422.	2.1	7
133	Prismatic Adaptation Induces Plastic Changes onto Spatial and Temporal Domains in Near and Far Space. Neural Plasticity, 2016, 2016, 1-13.	2.2	6
134	Unimodal and crossmodal extinction of nociceptive stimuli in healthy volunteers. Behavioural Brain Research, 2019, 362, 114-121.	2.2	6
135	Body schema plasticity is altered in Developmental Coordination Disorder. Neuropsychologia, 2022, 166, 108136.	1.6	6
136	Peripersonal Space and Body Schema. , 2010, , 40-46.		5
137	A cortical substrate for the long-term memory of saccadic eye movements calibration. Neurolmage, 2018, 179, 348-356.	4.2	5
138	Auditory Peripersonal Space in Humans: a Case of Auditory-Tactile Extinction. Neurocase, 2001, 7, 97-103.	0.6	5
139	Optokinetic stimulation induces illusory movement of both out-of-the-body and on-the-body hand-held visual objects. Experimental Brain Research, 2009, 193, 633-638.	1.5	4
140	The role of the vestibular system in value attribution to positive and negative reinforcers. Cortex, 2020, 133, 215-235.	2.4	4
141	Feeling better: Tactile verbs speed up tactile detection. Brain and Cognition, 2020, 142, 105582.	1.8	4
142	Losing self control. ELife, 2016, 5, .	6.0	4
143	Classification of multiscale spatiotemporal energy features for video segmentation and dynamic objects prioritisation. Pattern Recognition Letters, 2013, 34, 713-722.	4.2	3
144	Atomoxetine modulates the relationship between perceptual abilities and response bias. Psychopharmacology, 2019, 236, 3641-3653.	3.1	3

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145	Aim and Plausibility of Action Chains Remap Peripersonal Space. Frontiers in Psychology, 2019, 10, 1681.	2.1	3
146	Face–hand sensorimotor interactions revealed by afferent inhibition. European Journal of Neuroscience, 2022, 55, 189-200.	2.6	3
147	The use of an exoskeleton to investigate the self advantage phenomenon. , 2013, 2013, 2503-6.		2
148	Grasping objects by former amputees: The visuo-motor control of allografted hands. Restorative Neurology and Neuroscience, 2016, 34, 615-633.	0.7	2
149	Associative learning in peripersonal space: fear responses are acquired in hand-centered coordinates. Journal of Neurophysiology, 2021, 126, 864-874.	1.8	2
150	Human Tool Use., 2011,, 202-219.		2
151	Disorders of Visuo-spatial Cognition. Neurocase, 2005, 11, 146-147.	0.6	1
152	The hands have it: Hand specific vision of touch enhances touch perception and somatosensory evoked potential. Seeing and Perceiving, 2012, 25, 43.	0.3	1
153	Prism Adaptation and the Rehabilitation of Spatial Neglect. , 2011, , 81-104.		1
154	The sense of body ownership shapes the visual representation of body size Journal of Experimental Psychology: General, 2022, 151, 872-884.	2.1	1
155	Viewing less to see better. Zeloni G, FarnÃ" A,â^—â^—Dr. A. FarnÃ", Dipatimento di Psicologica, Universita di Bologna, Viale Berti Pichat 5, 40127 Bologna, Italy; e-mail: farne@psibo.unibo.it Baccini M. J Neurol Neurosurg Psychiatry 2002;73:195â€"198 American Journal of Ophthalmology, 2002, 134, 942.	3.3	0
156	Effects of prism adaptation on motor deficit in neglect: A single-case study with gait analysis. Gait and Posture, 2006, 24, S40-S41.	1.4	0
157	Divide et impera? Towards integrated multisensory perception and action. Behavioral and Brain Sciences, 2007, 30, 202-203.	0.7	0
158	Body image assessment in population with chronic low back pain and evolution after a functional restoration program. Annals of Physical and Rehabilitation Medicine, 2016, 59, e146.	2.3	0
159	Whole-hand perceptual maps of joint location. Experimental Brain Research, 2021, 239, 1235-1246.	1.5	0
160	REHABILITATION OF NEGLECT BY WEDGE PRISM ADAPTATION: From sensorimotor adaptation to spatial cognition. Higher Brain Function Research, 2010, 30, 235-250.	0.0	0
161	Effect of sensorimotor adaptation of saccades on covert attention Journal of Vision, 2013, 13, 1218-1218.	0.3	0