

# Emiliano Ricciardi

## List of Publications by Year in descending order

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115  
papers

5,228  
citations

117453

34  
h-index

102304

66  
g-index

143  
all docs

143  
docs citations

143  
times ranked

6460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	13.7	634
2	Beyond sensory images: Object-based representation in the human ventral pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5658-5663.	3.3	452
3	Imagery and spatial processes in blindness and visual impairment. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 1346-1360.	2.9	206
4	Hand synergies: Integration of robotics and neuroscience for understanding the control of biological and artificial hands. <i>Physics of Life Reviews</i> , 2016, 17, 1-23.	1.5	191
5	Neural correlates of spatial working memory in humans: A functional magnetic resonance imaging study comparing visual and tactile processes. <i>Neuroscience</i> , 2006, 139, 339-349.	1.1	168
6	Beyond amygdala: Default Mode Network activity differs between patients with Social Phobia and healthy controls. <i>Brain Research Bulletin</i> , 2009, 79, 409-413.	1.4	165
7	The Effect of Visual Experience on the Development of Functional Architecture in hMT+. <i>Cerebral Cortex</i> , 2007, 17, 2933-2939.	1.6	163
8	Mind the blind brain to understand the sighted one! Is there a supramodal cortical functional architecture?. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 41, 64-77.	2.9	135
9	Do We Really Need Vision? How Blind People "See" the Actions of Others. <i>Journal of Neuroscience</i> , 2009, 29, 9719-9724.	1.7	134
10	Beyond visual, aural and haptic movement perception: hMT+ is activated by electrotactile motion stimulation of the tongue in sighted and in congenitally blind individuals. <i>Brain Research Bulletin</i> , 2010, 82, 264-270.	1.4	125
11	Decomposing metaphor processing at the cognitive and neural level through functional magnetic resonance imaging. <i>Brain Research Bulletin</i> , 2011, 86, 203-216.	1.4	121
12	Differential modulation of neural activity throughout the distributed neural system for face perception in patients with Social Phobia and healthy subjects. <i>Brain Research Bulletin</i> , 2008, 77, 286-292.	1.4	113
13	Neural and Behavioral Correlates of Extended Training during Sleep Deprivation in Humans: Evidence for Local, Task-Specific Effects. <i>Journal of Neuroscience</i> , 2015, 35, 4487-4500.	1.7	108
14	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. <i>Scientific Reports</i> , 2017, 7, 39471.	1.6	108
15	Regional Delta Waves In Human Rapid Eye Movement Sleep. <i>Journal of Neuroscience</i> , 2019, 39, 2686-2697.	1.7	104
16	Distinct Neural Systems Involved in Agency and Animacy Detection. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1911-1920.	1.1	101
17	A synergy-based hand control is encoded in human motor cortical areas. <i>ELife</i> , 2016, 5, .	2.8	98
18	New light from the dark. <i>Current Opinion in Neurology</i> , 2011, 24, 357-363.	1.8	80

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19	How Skill Expertise Shapes the Brain Functional Architecture: An fMRI Study of Visuo-Spatial and Motor Processing in Professional Racing-Car and Naïve Drivers. <i>PLoS ONE</i> , 2013, 8, e77764.	1.1	72
20	EEG functional connectivity metrics wPLI and wSML account for distinct types of brain functional interactions. <i>Scientific Reports</i> , 2019, 9, 8894.	1.6	71
21	The Nature of Consciousness in the Visually Deprived Brain. <i>Frontiers in Psychology</i> , 2011, 2, 19.	1.1	66
22	Are Supramodality and Cross-Modal Plasticity the Yin and Yang of Brain Development? From Blindness to Rehabilitation. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 89.	1.2	65
23	Tactile flow explains haptic counterparts of common visual illusions. <i>Brain Research Bulletin</i> , 2008, 75, 737-741.	1.4	60
24	Emotionotopy in the human right temporo-parietal cortex. <i>Nature Communications</i> , 2019, 10, 5568.	5.8	55
25	The neural mechanisms of reliability weighted integration of shape information from vision and touch. <i>NeuroImage</i> , 2012, 60, 1063-1072.	2.1	53
26	How the brain heals emotional wounds: the functional neuroanatomy of forgiveness. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 839.	1.0	52
27	How concepts are encoded in the human brain: A modality independent, category-based cortical organization of semantic knowledge. <i>NeuroImage</i> , 2016, 135, 232-242.	2.1	50
28	Sleep reverts changes in human gray and white matter caused by wake-dependent training. <i>NeuroImage</i> , 2016, 129, 367-377.	2.1	50
29	Congenital blindness affects diencephalic but not mesencephalic structures in the human brain. <i>Brain Structure and Function</i> , 2016, 221, 1465-1480.	1.2	46
30	Overlapping and specific neural correlates for empathizing, affective mentalizing, and cognitive mentalizing: A coordinate-free based meta-analytic study. <i>Human Brain Mapping</i> , 2021, 42, 4777-4804.	1.9	45
31	Pharmacological Modulation of Prefrontal Cortical Activity During a Working Memory Task in Young and Older Humans: A PET Study With Physostigmine. <i>American Journal of Psychiatry</i> , 2005, 162, 2061-2070.	4.0	43
32	Effects of Visual Experience on the Human MT+ Functional Connectivity Networks: An fMRI Study of Motion Perception in Sighted and Congenitally Blind Individuals. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 159.	1.2	43
33	Proneness to social anxiety modulates neural complexity in the absence of exposure: A resting state fMRI study using Hurst exponent. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 135-144.	0.9	43
34	Increased BOLD Variability in the Parietal Cortex and Enhanced Parieto-Occipital Connectivity during Tactile Perception in Congenitally Blind Individuals. <i>Neural Plasticity</i> , 2012, 2012, 1-8.	1.0	42
35	The blind brain: How (lack of) vision shapes the morphological and functional architecture of the human brain. <i>Experimental Biology and Medicine</i> , 2014, 239, 1414-1420.	1.1	42
36	Cholinergic enhancement reduces functional connectivity and BOLD variability in visual extrastriate cortex during selective attention. <i>Neuropharmacology</i> , 2013, 64, 305-313.	2.0	40

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37	Evidence of a direct influence between the thalamus and hMT+ independent of V1 in the human brain as measured by fMRI. <i>NeuroImage</i> , 2012, 60, 1440-1447.	2.1	38
38	Morphometric Changes of the Corpus Callosum in Congenital Blindness. <i>PLoS ONE</i> , 2014, 9, e107871.	1.1	37
39	Sensing Glove for Brain Studies: Design and Assessment of Its Compatibility for fMRI With a Robust Test. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008, 13, 345-354.	3.7	35
40	It's not all in your car: functional and structural correlates of exceptional driving skills in professional racers. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 888.	1.0	33
41	A topographical organization for action representation in the human brain. <i>Human Brain Mapping</i> , 2015, 36, 3832-3844.	1.9	32
42	Is Social Phobia a "Mis-Communication" Disorder? Brain Functional Connectivity during Face Perception Differs between Patients with Social Phobia and Healthy Control Subjects. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 152.	1.2	31
43	Hypersensitivity to pain in congenital blindness. <i>Pain</i> , 2013, 154, 1973-1978.	2.0	31
44	When Neuroscience "Touches" Architecture: From Hapticity to a Supramodal Functioning of the Human Brain. <i>Frontiers in Psychology</i> , 2016, 7, 866.	1.1	30
45	Cholinergic Enhancement Eliminates Modulation of Neural Activity by Task Difficulty in the Prefrontal Cortex during Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1342-1353.	1.1	29
46	Functional inhibition of the human middle temporal cortex affects non-visual motion perception: a repetitive transcranial magnetic stimulation study during tactile speed discrimination. <i>Experimental Biology and Medicine</i> , 2011, 236, 138-144.	1.1	29
47	Integrity of Corpus Callosum Is Essential for the Cross-Hemispheric Propagation of Sleep Slow Waves: A High-Density EEG Study in Split-Brain Patients. <i>Journal of Neuroscience</i> , 2020, 40, 5589-5603.	1.7	29
48	Mindfulness-based online intervention increases well-being and decreases stress after Covid-19 lockdown. <i>Scientific Reports</i> , 2022, 12, 6483.	1.6	29
49	Modality-independent encoding of individual concepts in the left parietal cortex. <i>Neuropsychologia</i> , 2017, 105, 39-49.	0.7	28
50	Spatial imagery relies on a sensory independent, though sensory sensitive, functional organization within the parietal cortex: A fMRI study of angle discrimination in sighted and congenitally blind individuals. <i>Neuropsychologia</i> , 2015, 68, 59-70.	0.7	27
51	Not in one metric: Neuroticism modulates different resting state metrics within distinctive brain regions. <i>Behavioural Brain Research</i> , 2017, 327, 34-43.	1.2	27
52	Functional Signalers of Changes in Visual Stimuli: Cortical Responses to Increments and Decrements in Motion Coherence. <i>Cerebral Cortex</i> , 2014, 24, 110-118.	1.6	26
53	Cholinergic modulation of visual working memory during aging: A parametric PET study. <i>Brain Research Bulletin</i> , 2009, 79, 322-332.	1.4	25
54	Functional and spatial segregation within the inferior frontal and superior temporal cortices during listening, articulation imagery, and production of vowels. <i>Scientific Reports</i> , 2017, 7, 17029.	1.6	23

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55	EEG frequency-tagging demonstrates increased left hemispheric involvement and crossmodal plasticity for face processing in congenitally deaf signers. <i>NeuroImage</i> , 2020, 223, 117315.	2.1	23
56	Beyond Motor Scheme: A Supramodal Distributed Representation in the Action-Observation Network. <i>PLoS ONE</i> , 2013, 8, e58632.	1.1	22
57	Touching Motion: rTMS on the Human Middle Temporal Complex Interferes with Tactile Speed Perception. <i>Brain Topography</i> , 2012, 25, 389-398.	0.8	21
58	Progression from Vegetative to Minimally Conscious State Is Associated with Changes in Brain Neural Response to Passive Tasks: A Longitudinal Single-Case Functional MRI Study. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 620-630.	1.2	21
59	Visual imagery and visual perception induce similar changes in occipital slow waves of sleep. <i>Journal of Neurophysiology</i> , 2019, 121, 2140-2152.	0.9	21
60	Vascular Function Is Improved After an Environmental Enrichment Program. <i>Hypertension</i> , 2018, 71, 1218-1225.	1.3	18
61	Reductions in perceived stress following Transcendental Meditation practice are associated with increased brain regional connectivity at rest. <i>Brain and Cognition</i> , 2020, 139, 105517.	0.8	18
62	U-Limb: A multi-modal, multi-center database on arm motion control in healthy and post-stroke conditions. <i>GigaScience</i> , 2021, 10, .	3.3	18
63	The direct, not V1-mediated, functional influence between the thalamus and middle temporal complex in the human brain is modulated by the speed of visual motion. <i>Neuroscience</i> , 2015, 284, 833-844.	1.1	17
64	Quantifying peripheral sympathetic activations during sleep by means of an automatic method for pulse wave amplitude drop detection. <i>Sleep Medicine</i> , 2020, 69, 220-232.	0.8	16
65	Where the brain appreciates the final state of an event: The neural correlates of telicity. <i>Brain and Language</i> , 2012, 123, 68-74.	0.8	15
66	To Move or Not to Move? Functional Role of Ventral Premotor Cortex in Motor Monitoring During Limb Immobilization. <i>Cerebral Cortex</i> , 2019, 29, 273-282.	1.6	15
67	Mental health in the post-lockdown pandemic phase: Relief or exacerbation of psychological distress? A cross-sectional study in the general population in Italy. <i>Acta Psychologica</i> , 2022, 225, 103555.	0.7	15
68	Modality Dependent Cross-Modal Functional Reorganization Following Congenital Visual Deprivation within Occipital Areas: A Meta-Analysis of Tactile and Auditory Studies. <i>Multisensory Research</i> , 2014, 27, 247-262.	0.6	14
69	The sensory-deprived brain as a unique tool to understand brain development and function. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 78-82.	2.9	14
70	Cross-participant prediction of vigilance stages through the combined use of wPLI and wSMI EEG functional connectivity metrics. <i>Sleep</i> , 2021, 44, .	0.6	14
71	Towards a synergy framework across neuroscience and robotics: Lessons learned and open questions. Reply to comments on: "Hand synergies: Integration of robotics and neuroscience for understanding the control of biological and artificial hands". <i>Physics of Life Reviews</i> , 2016, 17, 54-60.	1.5	13
72	Cholinergic enhancement differentially modulates neural response to encoding during face identity and face location working memory tasks. <i>Experimental Biology and Medicine</i> , 2013, 238, 999-1008.	1.1	12

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73	Peripersonal space representation develops independently from visual experience. <i>Scientific Reports</i> , 2017, 7, 17673.	1.6	12
74	Different levels of visual perceptual skills are associated with specific modifications in functional connectivity and global efficiency. <i>International Journal of Psychophysiology</i> , 2018, 123, 127-135.	0.5	12
75	Foreground-Background Segmentation Revealed during Natural Image Viewing. <i>ENeuro</i> , 2018, 5, ENEURO.0075-18.2018.	0.9	12
76	Social cognition in the blind brain: A coordinate-based meta-analysis. <i>Human Brain Mapping</i> , 2021, 42, 1243-1256.	1.9	11
77	Neural correlates of analytical-specific visual perception and degree of task difficulty as investigated by the Mangina-Test: A functional magnetic resonance imaging (fMRI) study in young healthy adults. <i>International Journal of Psychophysiology</i> , 2009, 73, 150-156.	0.5	10
78	Cortical and subcortical hemodynamic changes during sleep slow waves in human light sleep. <i>NeuroImage</i> , 2021, 236, 118117.	2.1	10
79	Does (lack of) sight matter for V1? New light from the study of the blind brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 1-2.	2.9	9
80	A magnetic compatible supernumerary robotic finger for functional magnetic resonance imaging (fMRI) acquisitions: Device description and preliminary results. , 2017, 2017, 1177-1182.		8
81	Default and control network connectivity dynamics track the stream of affect at multiple timescales. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 461-469.	1.5	8
82	The Effects of Visual Control and Distance in Modulating Peripersonal Spatial Representation. <i>PLoS ONE</i> , 2013, 8, e59460.	1.1	7
83	Common spatiotemporal processing of visual features shapes object representation. <i>Scientific Reports</i> , 2019, 9, 7601.	1.6	7
84	Shape coding in occipito-temporal cortex relies on object silhouette, curvature, and medial axis. <i>Journal of Neurophysiology</i> , 2020, 124, 1560-1570.	0.9	7
85	Major Stress-Related Symptoms During the Lockdown: A Study by the Italian Society of Psychophysiology and Cognitive Neuroscience. <i>Frontiers in Public Health</i> , 2021, 9, 636089.	1.3	7
86	Emotion Regulation Failures Are Preceded by Local Increases in Sleep-like Activity. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2342-2356.	1.1	7
87	Modulation of specific brain activity by the perceptual analysis of very subtle geometrical relationships of the Mangina-Test stimuli: A functional magnetic resonance imaging (fMRI) investigation in young healthy adults. <i>International Journal of Psychophysiology</i> , 2009, 73, 157-163.	0.5	6
88	Brain Hemodynamic Intermediate Phenotype Links Vitamin B <sub>12</sub> to Cognitive Profile of Healthy and Mild Cognitive Impaired Subjects. <i>Neural Plasticity</i> , 2019, 2019, 1-11.	1.0	6
89	Role of corpus callosum in sleep spindle synchronization and coupling with slow waves. <i>Brain Communications</i> , 2021, 3, fcab108.	1.5	6
90	Neural correlates of human-robot handshaking. , 2010, , .		5

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91	Quantitative Susceptibility Mapping of Brain Function During Auditory Stimulation. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 516-522.	2.7	5
92	Oscillatory signatures of Repetition Suppression and Novelty Detection reveal altered induced visual responses in early deafness. Cortex, 2021, 142, 138-153.	1.1	5
93	The Relation Between Consumers' Frontal Alpha Asymmetry, Attitude, and Investment Decision. Frontiers in Neuroscience, 2020, 14, 577978.	1.4	5
94	Interactions between auditory statistics processing and visual experience emerge only in late development. IScience, 2021, 24, 103383.	1.9	5
95	A Compatible Electrocutaneous Display for functional Magnetic Resonance Imaging application. , 2006, 2006, 1021-4.		4
96	Muscle fatigue assessment through electrodermal activity analysis during isometric contraction. , 2017, 2017, 398-401.		4
97	Predictive value of electroencephalography connectivity measures for motor training outcome in multiple sclerosis: an observational longitudinal study. European Journal of Physical and Rehabilitation Medicine, 2020, 55, 743-753.	1.1	4
98	Heart rate variability analysis during muscle fatigue due to prolonged isometric contraction. , 2017, 2017, 1324-1327.		3
99	Neural correlates of "analytical-specific visual perception" as investigated by the Mangina-Test: A functional magnetic resonance imaging study in young healthy adults. International Journal of Psychophysiology, 2008, 69, 146-147.	0.5	2
100	Eight Weddings and Six Funerals: An fMRI Study on Autobiographical Memories. Frontiers in Behavioral Neuroscience, 2018, 12, 212.	1.0	2
101	Formant Space Reconstruction From Brain Activity in Frontal and Temporal Regions Coding for Heard Vowels. Frontiers in Human Neuroscience, 2019, 13, 32.	1.0	2
102	Enhancing Organizational Memory Through Virtual Memoryscapes: Does It Work?. Frontiers in Psychology, 2021, 12, 683870.	1.1	2
103	fMRI Compatible Sensing Glove for Hand Gesture Monitoring. Springer Series on Touch and Haptic Systems, 2012, , 215-228.	0.2	2
104	Covert brand recognition engages emotion-specific brain networks. Archives Italiennes De Biologie, 2012, 150, 259-73.	0.1	2
105	Analysis of Residual Dependencies of Independent Components Extracted from fMRI Data. Computational Intelligence and Neuroscience, 2016, 2016, 1-15.	1.1	1
106	Complementing canonical fMRI with functional Quantitative Susceptibility Mapping (fQSM) in modern neuroimaging research. NeuroImage, 2021, 244, 118574.	2.1	1
107	Combination of event-related potentials and functional magnetic resonance imaging during single-letter reading. , 2006, 2006, 984-7.		0
108	Towards a supramodal organization of conceptual knowledge. International Journal of Psychophysiology, 2014, 94, 154.	0.5	0

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109	Decoding and encoding approaches to brain imaging data: from cognition to robotics. <i>International Journal of Psychophysiology</i> , 2016, 108, 16.	0.5	0
110	The Motor Control of Hand Movements in the Human Brain: Toward the Definition of a Cortical Representation of Postural Synergies. <i>Springer Series on Touch and Haptic Systems</i> , 2016, , 41-60.	0.2	0
111	Editorial. <i>International Journal of Psychophysiology</i> , 2018, 131, S1.	0.5	0
112	Musique, censure et création: G. G. Ancina et le «Tempio armonico» (1599). Anne Pi jus. <i>Biblioteca della «Rivista di storia e letteratura religiosa» Studi 33</i> . Florence: Olschki, 2017. xxii + 470 pp. â,-54.. <i>Renaissance Quarterly</i> , 2019, 72, 362-363.	0.0	0
113	Interactions Between Auditory Statistics Processing and Visual Experience Emerge Only in Late Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
114	Functional Exploration Studies of Supramodal Organization in the Human Extrastriate Cortex. <i>Springer Tracts in Advanced Robotics</i> , 2008, , 7-24.	0.3	0
115	The Contribution of Shape Features and Demographic Variables to Disembedding Abilities. <i>Frontiers in Psychology</i> , 2022, 13, 798871.	1.1	0