Emiliano Macaluso

List of Publications by Year
in descending order

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134	7,557	53794	58581
papers	citations	45 h-index	82 g-index

136	136	136	7407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of Human Visual Cortex by Crossmodal Spatial Attention. Science, 2000, 289, 1206-1208.	12.6	585
2	Multisensory spatial interactions: a window onto functional integration in the human brain. Trends in Neurosciences, 2005, 28, 264-271.	8.6	349
3	Representation of Visual Gravitational Motion in the Human Vestibular Cortex. Science, 2005, 308, 416-419.	12.6	278
4	Neural Basis of Maternal Communication and Emotional Expression Processing during Infant Preverbal Stage. Cerebral Cortex, 2009, 19, 1124-1133.	2.9	251
5	The Golden Beauty: Brain Response to Classical and Renaissance Sculptures. PLoS ONE, 2007, 2, e1201.	2.5	208
6	Spatial and temporal factors during processing of audiovisual speech: a PET study. NeuroImage, 2004, 21, 725-732.	4.2	204
7	Neural Correlates of the Spatial and Expectancy Components of Endogenous and Stimulus-Driven Orienting of Attention in the Posner Task. Cerebral Cortex, 2010, 20, 1574-1585.	2.9	199
8	The Functional Neuroanatomy of Temporal Discrimination. Journal of Neuroscience, 2004, 24, 2585-2591.	3.6	182
9	Their pain is not our pain: Brain and autonomic correlates of empathic resonance with the pain of same and different race individuals. Human Brain Mapping, 2013, 34, 3168-3181.	3.6	172
10	Spatial attention and crossmodal interactions between vision and touch. Neuropsychologia, 2001, 39, 1304-1316.	1.6	170
11	Dissociation of Stimulus Relevance and Saliency Factors during Shifts of Visuospatial Attention. Cerebral Cortex, 2007, 17, 1701-1711.	2.9	155
12	The representation of space near the body through touch and vision. Neuropsychologia, 2010, 48, 782-795.	1.6	150
13	Multisensory Processing in Sensory-Specific Cortical Areas. Neuroscientist, 2006, 12, 327-338.	3.5	140
14	Directing Attention to Locations and to Sensory Modalities: Multiple Levels of Selective Processing revealed with PET. Cerebral Cortex, 2002, 12, 357-368.	2.9	137
15	Grey and White Matter Changes at Different Stages of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 147-159.	2.6	135
16	Supramodal Effects of Covert Spatial Orienting Triggered by Visual or Tactile Events. Journal of Cognitive Neuroscience, 2002, 14, 389-401.	2.3	134
17	Action anticipation beyond the action observation network: a functional magnetic resonance imaging study in expert basketball players. European Journal of Neuroscience, 2012, 35, 1646-1654.	2.6	134
18	A Common Cortical Substrate Activated by Horizontal and Vertical Sound Movement in the Human Brain. Current Biology, 2002, 12, 1584-1590.	3.9	125

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19	Spatial attention can modulate audiovisual integration at multiple cortical and subcortical sites. European Journal of Neuroscience, 2009, 29, 1247-1257.	2.6	125
20	Neural Basis for Priming of Pop-Out during Visual Search Revealed with fMRI. Cerebral Cortex, 2007, 17, 1612-1624.	2.9	123
21	Episodic memory impairment in patients with Alzheimerâ€™s disease is correlated with entorhinal cortex atrophy. Journal of Neurology, 2007, 254, 774-781.	3.6	119
22	Selective Spatial Attention in Vision and Touch: Unimodal and Multimodal Mechanisms Revealed by PET. Journal of Neurophysiology, 2000, 83, 3062-3075.	1.8	110
23	Deontological and altruistic guilt: Evidence for distinct neurobiological substrates. Human Brain Mapping, 2011, 32, 229-239.	3.6	105
24	Simulated self-motion in a visual gravity field: Sensitivity to vertical and horizontal heading in the human brain. NeuroImage, 2013, 71, 114-124.	4.2	95
25	Neural basis of generation of conclusions in elementary deduction. NeuroImage, 2007, 38, 752-762.	4.2	91
26	Orienting of spatial attention and the interplay between the senses. Cortex, 2010, 46, 282-297.	2.4	91
27	Preparatory states in crossmodal spatial attention: spatial specificity and possible control mechanisms. Experimental Brain Research, 2003, 149, 62-74.	1.5	88
28	Item Retrieval and Competition in Noun and Verb Generation: An fMRI Study. Journal of Cognitive Neuroscience, 2010, 22, 1140-1157.	2.3	88
29	Crossmodal Spatial Influences of Touch on Extrastriate Visual Areas Take Current Gaze Direction into Account. Neuron, 2002, 34, 647-658.	8.1	83
30	Attachment models affect brain responses in areas related to emotions and empathy in nulliparous women. Human Brain Mapping, 2013, 34, 1399-1414.	3.6	82
31	Attention and predictions: control of spatial attention beyond the endogenous-exogenous dichotomy. Frontiers in Human Neuroscience, 2013, 7, 685.	2.0	79
32	Vestibular Nuclei and Cerebellum Put Visual Gravitational Motion in Context. Journal of Neurophysiology, 2008, 99, 1969-1982.	1.8	76
33	Stimulus-Driven Orienting of Visuo-Spatial Attention in Complex Dynamic Environments. Neuron, 2011, 69, 1015-1028.	8.1	76
34	Single domain amnestic MCI: A multiple cognitive domains fMRI investigation. Neurobiology of Aging, 2011, 32, 1542-1557.	3.1	71
35	The Curious Incident of Attention in Multisensory Integration: Bottom-up vs. Top-down. Multisensory Research, 2016, 29, 557-583.	1.1	71
36	Learning about Time: Plastic Changes and Interindividual Brain Differences. Neuron, 2012, 75, 725-737.	8.1	69

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37	High Binaural Coherence Determines Successful Sound Localization and Increased Activity in Posterior Auditory Areas. Neuron, 2005, 47, 893-905.	8.1	67
38	The neural basis of temporal auditory discrimination. NeuroImage, 2006, 30, 512-520.	4.2	60
39	Visual Salience Improves Spatial Working Memory via Enhanced Parieto-Temporal Functional Connectivity. Journal of Neuroscience, 2013, 33, 4110-4117.	3.6	57
40	Spatial orienting in complex audiovisual environments. Human Brain Mapping, 2014, 35, 1597-1614.	3.6	56
41	Multimodal Spatial Representations Engaged in Human Parietal Cortex during Both Saccadic and Manual Spatial Orienting. Current Biology, 2003, 13, 990-999.	3.9	53
42	Conditional and syllogistic deductive tasks dissociate functionally during premise integration. Human Brain Mapping, 2010, 31, 1430-1445.	3.6	53
43	The costs of monitoring simultaneously two sensory modalities decrease when dividing attention in space. NeuroImage, 2010, 49, 2717-2727.	4.2	53
44	An independent component analysis-based approach on ballistocardiogram artifact removing. Magnetic Resonance Imaging, 2006, 24, 393-400.	1.8	50
45	Images-based suppression of unwanted global signals in resting-state functional connectivity studies. Magnetic Resonance Imaging, 2009, 27, 1058-1064.	1.8	50
46	The Brain Network Underlying Serial Visual Search: Comparing Overt and Covert Spatial Orienting, for Activations and for Effective Connectivity. Cerebral Cortex, 2009, 19, 2946-2958.	2.9	47
47	Visual gravity cues in the interpretation of biological movements: neural correlates in humans. NeuroImage, 2015, 104, 221-230.	4.2	46
48	Auditory temporal expectations modulate activity in visual cortex. NeuroImage, 2010, 51, 1168-1183.	4.2	45
49	Functional anatomy of temporal organisation and domain-specificity of episodic memory retrieval. Neuropsychologia, 2012, 50, 2943-2955.	1.6	45
50	Parietal cortex integrates contextual and saliency signals during the encoding of natural scenes in working memory. Human Brain Mapping, 2015, 36, 5003-5017.	3.6	45
51	Physiological correlates of subjective time: Evidence for the temporal accumulator hypothesis. NeuroImage, 2011, 57, 1251-1263.	4.2	43
52	Anisotropic anomalous diffusion assessed in the human brain by scalar invariant indices. Magnetic Resonance in Medicine, 2011, 65, 1043-1052.	3.0	43
53	Large scale brain activations predict reasoning profiles. NeuroImage, 2012, 59, 1752-1764.	4.2	43
54	Structural Correlates of Implicit Learning Deficits in Subjects with Developmental Dyslexia. Annals of the New York Academy of Sciences, 2008, 1145, 212-221.	3.8	41

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55	Interactions between Voluntary and Stimulus-driven Spatial Attention Mechanisms across Sensory Modalities. Journal of Cognitive Neuroscience, 2009, 21, 2384-2397.	2.3	41
56	Sensory processing during viewing of cinematographic material: Computational modeling and functional neuroimaging. NeuroImage, 2013, 67, 213-226.	4.2	41
57	Abnormal processing of deontological guilt in obsessiveâ€“compulsive disorder. Brain Structure and Function, 2014, 219, 1321-1331.	2.3	41
58	Processing of Targets in Smooth or Apparent Motion Along the Vertical in the Human Brain: An fMRI Study. Journal of Neurophysiology, 2010, 103, 360-370.	1.8	39
59	Multisensory stimulation with or without saccades: fMRI evidence for crossmodal effects on sensory-specific cortices that reflect multisensory location-congruence rather than task-relevance. NeuroImage, 2005, 26, 414-425.	4.2	38
60	Effect of Parasympathetic Stimulation on Brain Activity During Appraisal of Fearful Expressions. Neuropsychopharmacology, 2015, 40, 1649-1658.	5.4	37
61	Processing of multisensory spatial congruency can be dissociated from working memory and visuoâ€spatial attention. European Journal of Neuroscience, 2007, 26, 1681-1691.	2.6	36
62	FMRI correlates of visuoâ€spatial reorienting investigated with an attention shifting doubleâ€cue paradigm. Human Brain Mapping, 2009, 30, 2367-2381.	3.6	36
63	Audiovisual integration as conflict resolution: The conflict of the McGurk illusion. Human Brain Mapping, 2017, 38, 5691-5705.	3.6	36
64	Right temporal-parietal junction engagement during spatial reorienting does not depend on strategic attention control. Neuropsychologia, 2010, 48, 1160-1164.	1.6	35
65	Crossmodal semantic congruence can affect visuo-spatial processing and activity of the fronto-parietal attention networks. Frontiers in Integrative Neuroscience, 2015, 9, 45.	2.1	34
66	The contribution of working memory to divided attention. Human Brain Mapping, 2013, 34, 158-175.	3.6	33
67	Simultaneous EEGâ€“fMRI acquisition: how far is it from being a standardized technique?. Magnetic Resonance Imaging, 2004, 22, 1445-1455.	1.8	32
68	Immediate memory for â€œwhen, where and whatâ€: Shortâ€delay retrieval using dynamic naturalistic material. Human Brain Mapping, 2015, 36, 2495-2513.	3.6	32
69	The Response of the Left Ventral Attentional System to Invalid Targets and its Implication for the Spatial Neglect Syndrome: a Multivariate fMRI Investigation. Cerebral Cortex, 2016, 26, 4551-4562.	2.9	31
70	Occipitalâ€“parietal interactions during shifts of exogenous visuospatial attention: trial-dependent changes of effective connectivity. Magnetic Resonance Imaging, 2004, 22, 1477-1486.	1.8	30
71	Spatial re-orienting of visual attention along the horizontal or the vertical axis. Experimental Brain Research, 2007, 180, 23-34.	1.5	27
72	Multimodal mechanisms of attention related to rates of spatial shifting in vision and touch. Experimental Brain Research, 2001, 137, 445-454.	1.5	24

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73	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. European Journal of Neuroscience, 2015, 42, 2534-2545.	2.6	24
74	Context-Dependent Coding of Temporal Distance Between Cinematic Events in the Human Precuneus. Journal of Neuroscience, 2020, 40, 2129-2138.	3.6	24
75	Putaminal activity is related to perceptual certainty. NeuroImage, 2008, 41, 123-129.	4.2	23
76	Functional interplay between stimulus-oriented and stimulus-independent attending during a prospective memory task. Neuropsychologia, 2014, 53, 203-212.	1.6	23
77	Weighing the stigma of weight: An fMRI study of neural reactivity to the pain of obese individuals. NeuroImage, 2014, 91, 109-119.	4.2	21
78	Direct stimulation of the autonomic nervous system modulates activity of the brain at rest and when engaged in a cognitive task. Human Brain Mapping, 2013, 34, 1605-1614.	3.6	20
79	Selective reorienting response of the left hemisphere to invalid visual targets in the right side of space: Relevance for the spatial neglect syndrome. Cortex, 2015, 65, 31-35.	2.4	20
80	Mothers with depressive symptoms display differential brain activations when empathizing with infant faces. Psychiatry Research - Neuroimaging, 2016, 249, 1-11.	1.8	20
81	Interhemispheric Differences in Extrastriate Areas during Visuo-Spatial Selective Attention. NeuroImage, 2000, 12, 485-494.	4.2	19
82	Delay Activity and Sensory-Motor Translation During Planned Eye or Hand Movements to Visual or Tactile Targets. Journal of Neurophysiology, 2007, 98, 3081-3094.	1.8	19
83	Unfamiliar Walking Movements Are Detected Early in the Visual Stream: An fMRI Study. Cerebral Cortex, 2015, 25, 2022-2034.	2.9	19
84	Neural correlates of episodic retrieval: An fMRI study of the part-list cueing effect. NeuroImage, 2010, 50, 678-692.	4.2	18
85	Mapping reflexive shifts of attention in eyeâ€centered and handâ€centered coordinate systems. Human Brain Mapping, 2012, 33, 165-178.	3.6	18
86	Audioâ€“visual interactions for motion perception in depth modulate activity in visual area V3A. NeuroImage, 2013, 71, 158-167.	4.2	18
87	Age-related microstructural and physiological changes in normal brain measured by MRI Î³-metrics derived from anomalous diffusion signal representation. NeuroImage, 2019, 188, 654-667.	4.2	17
88	Fear processing is differentially affected by lateralized stimulation of carotid baroreceptors. Cortex, 2018, 99, 200-212.	2.4	17
89	Exogenous features versus prior experiences modulate different subregions of the right IPL during episodic memory retrieval. Scientific Reports, 2015, 5, 11248.	3.3	16
90	New insight into the contrast in diffusional kurtosis images: Does it depend on magnetic susceptibility?. Magnetic Resonance in Medicine, 2015, 73, 2015-2024.	3.0	16

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91	Influence of gaze direction on crossmodal modulation of visual ERPS by endogenous tactile spatial attention. Cognitive Brain Research, 2005, 23, 406-417.	3.0	15
92	Single-epoch analysis of interleaved evoked potentials and fMRI responses during steady-state visual stimulation. Clinical Neurophysiology, 2009, 120, 738-747.	1.5	15
93	Task-Related Modulations of BOLD Low-Frequency Fluctuations within the Default Mode Network. Frontiers in Physics, 2017, 5, .	2.1	15
94	Attending to Multiple Visual Streams: Interactions between Location-based and Category-based Attentional Selection. Journal of Cognitive Neuroscience, 2009, 21, 1628-1641.	2.3	14
95	The Î³-parameter of anomalous diffusion quantified in human brain by MRI depends on local magnetic susceptibility differences. NeuroImage, 2017, 147, 619-631.	4.2	14
96	Evaluation of denoising strategies for taskâ€based functional connectivity: Equalizing residual motion artifacts between rest and cognitively demanding tasks. Human Brain Mapping, 2021, 42, 1805-1828.	3.6	14
97	Visual and Semantic Processing of Living Things and Artifacts: An fMRI Study. Journal of Cognitive Neuroscience, 2010, 22, 554-570.	2.3	13
98	Scale invariance of temporal order discrimination using complex, naturalistic events. Cognition, 2015, 140, 111-121.	2.2	13
99	Scale-invariant rearrangement of resting state networks in the human brain under sustained stimulation. NeuroImage, 2018, 179, 570-581.	4.2	13
100	Multimodal spatial representations in the human parietal cortex: evidence from functional imaging. Advances in Neurology, 2003, 93, 219-33.	0.8	13
101	Enhanced insular/prefrontal connectivity when resisting from emotional distraction during visual search. Brain Structure and Function, 2019, 224, 2009-2026.	2.3	12
102	The Neural Correlates of Object Familiarity and Domain Specificity in the Human Visual Cortex: An fMRI Study. Journal of Cognitive Neuroscience, 2011, 23, 2878-2891.	2.3	10
103	Audio-Visual Perception of 3D Cinematography: An fMRI Study Using Condition-Based and Computation-Based Analyses. PLoS ONE, 2013, 8, e76003.	2.5	10
104	Set-relevance Determines the Impact of Distractors on Episodic Memory Retrieval. Journal of Cognitive Neuroscience, 2014, 26, 2070-2086.	2.3	10
105	Orienting of visuoâ€spatial attention in complex 3D space: Search and detection. Human Brain Mapping, 2015, 36, 2231-2247.	3.6	10
106	Neural Correlates of Divided Attention in Natural Scenes. Journal of Cognitive Neuroscience, 2016, 28, 1392-1405.	2.3	9
107	Dynamic causal interactions between occipital and parietal cortex explain how endogenous spatial attention and stimulus-driven salience jointly shape the distribution of processing priorities in 2D visual space. NeuroImage, 2022, 255, 119206.	4.2	9
108	Bimanual passive movement: functional activation and inter-regional coupling. Frontiers in Integrative Neuroscience, 2007, 1, 5.	2.1	8

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109	fMRI correlates of object-based attentional facilitation vs. suppression of irrelevant stimuli, dependent on global grouping and endogenous cueing. Frontiers in Integrative Neuroscience, 2014, 8, 12.	2.1	8
110	Competition between Visual Events Modulates the Influence of Salience during Free-Viewing of Naturalistic Videos. Frontiers in Human Neuroscience, 2016, 10, 320.	2.0	8
111	Brain activity induced by implicit processing of others' pain and pleasure. Human Brain Mapping, 2017, 38, 5562-5576.	3.6	8
112	Brainâ€“Heart Pathways to Blood Pressure-Related Hypoalgesia. Psychosomatic Medicine, 2018, 80, 845-852.	2.0	8
113	Sensitivity of occipito-temporal cortex, premotor and Brocaâ€™s areas to visible speech gestures in a familiar language. PLoS ONE, 2020, 15, e0234695.	2.5	8
114	An EEG study of the combined effects of topâ€down and bottomâ€up attentional selection under varying task difficulty. Psychophysiology, 2022, 59, e14002.	2.4	8
115	Timeâ€resolved detection of stimulus/taskâ€related networks, via clustering of transient intersubject synchronization. Human Brain Mapping, 2015, 36, 3404-3425.	3.6	6
116	Left hemispatial neglect and overt orienting in naturalistic conditions: Role of high-level and stimulus-driven signals. Cortex, 2019, 113, 329-346.	2.4	6
117	Brain Network Modularity During a Sustained Working-Memory Task. Frontiers in Physiology, 2020, 11, 422.	2.8	6
118	Interaural temporal and coherence cues jointly contribute to successful sound movement perception and activation of parietal cortex. NeuroImage, 2009, 46, 1200-1208.	4.2	5
119	Functional Brain Activity within the Medial and Lateral Portion of BA10 during a Prospective Memory Task. Behavioural Neurology, 2013, 26, 207-209.	2.1	5
120	Visuo-spatial orienting during active exploratory behavior: Processing of task-related and stimulus-related signals. Cortex, 2018, 102, 26-44.	2.4	5
121	Atomoxetine modulates the contribution of low-level signals during free viewing of natural images in rhesus monkeys. Neuropharmacology, 2021, 182, 108377.	4.1	5
122	Medio-lateral functional dissociation of the rostral prefrontal cortex with focal/non-focal cues during a prospective memory task. Brain Imaging and Behavior, 2020, 14, 1175-1186.	2.1	4
123	Does Cue Focality Modulate Age-related Performance in Prospective Memory? An fMRI Investigation. Experimental Aging Research, 2021, 47, 1-20.	1.2	4
124	The lateral intraparietal sulcus takes viewpoint changes into account during memory-guided attention in natural scenes. Brain Structure and Function, 2021, 226, 989-1006.	2.3	4
125	Memory for spatio-temporal contextual details during the retrieval of naturalistic episodes. Scientific Reports, 2021, 11, 14577.	3.3	4
126	Hemispheric functional segregation facilitates target detection during sustained visuospatial attention. Human Brain Mapping, 2022, 43, 4529-4539.	3.6	4

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127	Amblyopic dyslexia: A little investigated reading disorder. Neurocase, 2010, 16, 397-407.	0.6	3
128	Letters persistence after physical offset: Visual word form area and left planum temporale. An fMRI study. Human Brain Mapping, 2013, 34, 1282-1292.	3.6	2
129	Cross-Modal Consequences of Human Spatial Attention. , 2005, , 187-196.		2
130	Spatial Constraints in Multisensory Attention. Frontiers in Neuroscience, 2011, , 485-508.	0.0	1
131	Detection of Transient Inter-regional Coupling in fMRI Time Series: A New Method Combining Inter-subjects Synchronization and Cluster-Analyses. , 2013, , .		1
132	Functional Imaging of Visuospatial Attention in Complex and Naturalistic Conditions. Current Topics in Behavioral Neurosciences, 2018, 41, 279-302.	1.7	1
133	Spatial Constraints in Multisensory Attention. Frontiers in Neuroscience, 2011, , 485-508.	0.0	1
134	Amygdala Activation Is Associated with Sense of Presence during Viewing 3D-surround Cinematography. Lecture Notes in Computer Science, 2013, , 153-160.	1.3	1