Marta Olivetti Belardinelli

List of Publications by Year
in descending order

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101 papers	3,193 citations	126907 33 h-index	175258 52 g-index
112 all docs	112 docs citations	112 times ranked	3649 citing authors

#	Article	IF	Citations
1	Neural correlates of focused attention and cognitive monitoring in meditation. Brain Research Bulletin, 2010, 82, 46-56.	3.0	214
2	Crossâ€modal plasticity of the motor cortex while listening to a rehearsed musical piece. European Journal of Neuroscience, 2006, 24, 955-958.	2.6	190
3	Influence of Musical Expertise on Segmental and Tonal Processing in Mandarin Chinese. Journal of Cognitive Neuroscience, 2011, 23, 2701-2715.	2.3	129
4	Eye-gaze independent EEG-based brainâ€“computer interfaces for communication. Journal of Neural Engineering, 2012, 9, 045001.	3.5	126
5	An fMRI investigation on image generation in different sensory modalities: The influence of vividness. Acta Psychologica, 2009, 132, 190-200.	1.5	125
6	Human brain activation during passive listening to sounds from different locations: An fMRI and MEG study. Human Brain Mapping, 2005, 26, 251-261.	3.6	109
7	Attention and P300-based BCI performance in people with amyotrophic lateral sclerosis. Frontiers in Human Neuroscience, 2013, 7, 732.	2.0	106
8	World Health Organisation Disability Assessment Schedule II: Contribution to the Italian validation. Disability and Rehabilitation, 2009, 31, 553-564.	1.8	88
9	From melody to lexical tone: Musical ability enhances specific aspects of foreign language perception. European Journal of Cognitive Psychology, 2010, 22, 46-61.	1.3	82
10	Sensoryâ€motor brain network connectivity for speech comprehension. Human Brain Mapping, 2010, 31, 567-580.	3.6	80
11	The suppression of reflexive visual and auditory orienting when attention is otherwise engaged.. Journal of Experimental Psychology: Human Perception and Performance, 2007, 33, 137-148.	0.9	77
12	The role of prefrontal cortex in visuo-spatial planning: a repetitive TMS study. Experimental Brain Research, 2006, 171, 411-415.	1.5	73
13	Usability and Workload of Access Technology for People With Severe Motor Impairment. Neurorehabilitation and Neural Repair, 2015, 29, 950-957.	2.9	73
14	Music-to-language transfer effect: may melodic ability improve learning of tonal languages by native nontonal speakers?. Cognitive Processing, 2006, 7, 203-207.	1.4	65
15	An overview of intervention options for promoting adaptive behavior of persons with acquired brain injury and minimally conscious state. Research in Developmental Disabilities, 2010, 31, 1121-1134.	2.2	63
16	Abilities Within and Across Visual and Verbal Domains: How Specific Is Their Influence on Creativity?. Creativity Research Journal, 2010, 22, 369-377.	2.6	62
17	Cognitive reserve and its implications for rehabilitation and Alzheimerâ€™s disease. Cognitive Processing, 2012, 13, 1-12.	1.4	58
18	A Frontoparietal Network for Spatial Attention Reorienting in the Auditory Domain: A Human fMRI/MEG Study of Functional and Temporal Dynamics. Cerebral Cortex, 2008, 18, 1139-1147.	2.9	55

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19	â€œWhatâ€•versus â€œWhereâ€•in the audiovisual domain: An fMRI study. NeuroImage, 2006, 33, 672-680.	4.2	45
20	Spatial attention triggered by unimodal, crossmodal, and bimodal exogenous cues: a comparison of reflexive orienting mechanisms. Experimental Brain Research, 2006, 173, 40-48.	1.5	45
21	The role of the feedforward paradigm in cognitive psychology. Cognitive Processing, 2006, 7, 73-88.	1.4	43
22	Hypothalamus, sexual arousal and psychosexual identity in human males: a functional magnetic resonance imaging study. European Journal of Neuroscience, 2008, 27, 2922-2927.	2.6	43
23	Checking an integrated model of web accessibility and usability evaluation for disabled people. Disability and Rehabilitation, 2005, 27, 781-790.	1.8	42
24	Toward functioning and usable brainâ€“computer interfaces (BCIs): A literature review. Disability and Rehabilitation: Assistive Technology, 2012, 7, 89-103.	2.2	42
25	Multisensory integration affects ERP components elicited by exogenous cues. Experimental Brain Research, 2008, 185, 269-277.	1.5	41
26	Interactions between Voluntary and Stimulus-driven Spatial Attention Mechanisms across Sensory Modalities. Journal of Cognitive Neuroscience, 2009, 21, 2384-2397.	2.3	41
27	Semantic encoding in working memory: Is there a (multi)modality effect?. Memory, 2009, 17, 655-663.	1.7	40
28	Audio-visual crossmodal interactions in environmental perception: an fMRI investigation. Cognitive Processing, 2004, 5, 167-174.	1.4	39
29	The relationship between â€˜theory of mindâ€™ and attachmentâ€related anxiety and avoidance in Italian adolescents. Journal of Adolescence, 2013, 36, 613-621.	2.4	37
30	A new method for detecting causality in fMRI data of cognitive processing. Cognitive Processing, 2006, 7, 42-52.	1.4	35
31	Perceptual load affects exogenous spatial orienting while working memory load does not. Experimental Brain Research, 2008, 184, 371-382.	1.5	35
32	Vegetative state: efforts to curb misdiagnosis. Cognitive Processing, 2010, 11, 87-90.	1.4	35
33	Brain network for passive word listening as evaluated with ICA and Granger causality. Brain Research Bulletin, 2007, 72, 284-292.	3.0	34
34	The Role of Vividness of Visual Mental Imagery on Different Dimensions of Creativity. Creativity Research Journal, 2011, 23, 372-375.	2.6	33
35	Promoting Engagement, Requests and Choice by a Man with Post-Coma Pervasive Motor Impairment and Minimally Conscious State through a Technology-Based Program. Journal of Developmental and Physical Disabilities, 2008, 20, 379-388.	1.6	32
36	Exogenous and endogenous spatial attention effects on visuospatial working memory. Quarterly Journal of Experimental Psychology, 2010, 63, 1590-1602.	1.1	32

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37	The format of mental imagery: from a critical review to an integrated embodied representation approach. Cognitive Processing, 2019, 20, 277-289.	1.4	32
38	How the bimodal format of presentation affects working memory: an overview. Cognitive Processing, 2008, 9, 69-76.	1.4	31
39	Multisensory integration affects visuo-spatial working memory.. Journal of Experimental Psychology: Human Perception and Performance, 2011, 37, 1099-1109.	0.9	31
40	Psychophysiological Methods to Evaluate Userâ€™s Response in Human Robot Interaction: A Review and Feasibility Study. Robotics, 2013, 2, 92-121.	3.5	30
41	Mental imagery generation in different modalities activates sensory-motor areas. Cognitive Processing, 2009, 10, 268-271.	1.4	28
42	Learning in Post-coma Persons with Profound Multiple Disabilities: Two Case Evaluations. Journal of Developmental and Physical Disabilities, 2008, 20, 209-216.	1.6	27
43	Toward a Brain-Computer Interface for Alzheimer's Disease Patients by Combining Classical Conditioning and Brain State Classification. Journal of Alzheimer's Disease, 2012, 31, S211-S220.	2.6	27
44	ViSA: A neurodynamic model for visuo-spatial working memory, attentional blink, and conscious access.. Psychological Review, 2012, 119, 745-769.	3.8	26
45	Questioning the dichotomy between vegetative state and minimally conscious state: a review of the statistical evidence. Frontiers in Human Neuroscience, 2014, 8, 865.	2.0	26
46	Technology-based intervention programs to promote stimulation control and communication in post-coma persons with different levels of disability. Frontiers in Human Neuroscience, 2014, 8, 48.	2.0	22
47	Promoting adaptive behavior in persons with acquired brain injury, extensive motor and communication disabilities, and consciousness disorders. Research in Developmental Disabilities, 2012, 33, 1964-1974.	2.2	20
48	Effects of the Mindfulness-Based Stress Reduction Program on Mind Wandering and Dispositional Mindfulness Facets. Mindfulness, 2019, 10, 185-195.	2.8	20
49	Intermodal sensory image generation: An fMRI analysis. European Journal of Cognitive Psychology, 2004, 16, 729-752.	1.3	19
50	How and when auditory action effects impair motor performance. Experimental Brain Research, 2010, 201, 323-330.	1.5	19
51	Evaluation of technology-assisted learning setups for undertaking assessment and providing intervention to persons with a diagnosis of vegetative state. Developmental Neurorehabilitation, 2009, 12, 411-420.	1.1	18
52	Perceptual preferences in depth stratification of transparent layers: Photometric and non-photometric factors. Journal of Vision, 2010, 10, 1-13.	0.3	18
53	Patients with moderate AlzheimerÃ¢â‚¬â„¢s disease engage in verbal reminiscence with the support of a computer-aided program: a pilot study. Frontiers in Aging Neuroscience, 2015, 7, 109.	3.4	18
54	Dispositional mindfulness facets predict the efficiency of attentional networks. Mindfulness, 2017, 8, 101-109.	2.8	18

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55	Head-centred meridian effect on auditory spatial attention orienting. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2002, 55, 937-963.	2.3	16
56	Effects of Aversive Stimuli on Prospective Memory. An Event-Related fMRI Study. PLoS ONE, 2011, 6, e26290.	2.5	16
57	Emotion Based Attentional Priority for Storage in Visual Short-Term Memory. PLoS ONE, 2014, 9, e95261.	2.5	16
58	Learning as a possible sign of non-reflective consciousness in persons with a diagnosis of vegetative state and pervasive motor impairment. Cognitive Processing, 2009, 10, 355-359.	1.4	15
59	Microswitch technology and contingent stimulation to promote adaptive engagement in persons with minimally conscious state: a case evaluation. Cognitive Processing, 2012, 13, 133-137.	1.4	15
60	The debt of cognitive science to Ulric Neisser. Cognitive Processing, 2012, 13, 189-191.	1.4	15
61	Human brain activation elicited by the localization of sounds delivering at attended or unattended positions: an fMRI/MEG study. Cognitive Processing, 2006, 7, 116-117.	1.4	12
62	A learning assessment procedure as a test supplement for monitoring progress with two post-coma persons with a diagnosis of vegetative state. Developmental Neurorehabilitation, 2011, 14, 358-365.	1.1	11
63	Insula and inferior frontal triangularis activations distinguish between conditioned brain responses using emotional sounds for basic BCI communication. Frontiers in Behavioral Neuroscience, 2014, 8, 247.	2.0	10
64	Neural Correlates of Mindfulness and Concentration in Buddhist Monks: A fMRI study. , 2007, , .		9
65	Assessing learning as a possible sign of consciousness in post-coma persons with minimal responsiveness. Frontiers in Human Neuroscience, 2014, 8, 25.	2.0	9
66	Crossâ€cultural differences in intercultural mindreading: Evidence from a sample of Palestinian, Italian, and German adolescents. PsyCh Journal, 2021, 10, 263-274.	1.1	9
67	Development of a Binary fMRI-BCI for Alzheimer Patients: A Semantic Conditioning Paradigm Using Affective Unconditioned Stimuli. , 2013, , .		8
68	Microswitch-aided programs with contingent stimulation versus general stimulation programs for post-coma persons with multiple disabilities. Developmental Neurorehabilitation, 2014, 17, 251-258.	1.1	8
69	Comparing distance perception in different virtual environments. Cognitive Processing, 2009, 10, 294-296.	1.4	7
70	The representation of conceptual knowledge: visual, auditory, and olfactory imagery compared with semantic processing. Cognitive Processing, 2014, 15, 143-157.	1.4	7
71	A study on a shared control navigation system: human/robot collaboration for assisting people in mobility. Cognitive Processing, 2009, 10, 215-218.	1.4	6
72	Technology-based intervention to help persons with minimally conscious state and pervasive motor disabilities perform environmentally relevant adaptive behavior. Cognitive Processing, 2012, 13, 219-222.	1.4	6

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73	Technology-aided programs for post-coma patients emerged from or in a minimally conscious state. Frontiers in Human Neuroscience, 2014, 8, 931.	2.0	6
74	Assessment and Intervention with Patients with Severe Disorders of Consciousness. Advances in Neurodevelopmental Disorders, 2017, 1, 196-202.	1.1	6
75	Effects of stimulus-related variables on mental states recognition in Huntingtonâ€™s disease. International Journal of Neuroscience, 2019, 129, 563-572.	1.6	6
76	Abnormal visual scanning and impaired mental state recognition in pre-manifest Huntington disease. Experimental Brain Research, 2021, 239, 141-150.	1.5	6
77	Technology-assisted writing opportunities for a man emerged from a minimally conscious state and affected by extensive motor disabilities. Developmental Neurorehabilitation, 2011, 14, 123-127.	1.1	5
78	Intersection of reality and fiction in art perception: pictorial space, body sway and mental imagery. Cognitive Processing, 2015, 16, 233-236.	1.4	5
79	Are vertical meridian effects due to audio-visual interference? A new confirmation with deaf subjects. Disability and Rehabilitation, 2007, 29, 797-804.	1.8	4
80	Emotion recognition and inhibitory control in manifest and pre-manifest Huntington's disease: evidence from a new Stroop task. Neural Regeneration Research, 2020, 15, 1518.	3.0	4
81	Regularities, context, and neural coding: Are universals reflected in the experienced world?. Behavioral and Brain Sciences, 2001, 24, 701-702.	0.7	3
82	The head-centered meridian effect: Auditory attention orienting in conditions of impaired visuo-spatial information. Disability and Rehabilitation, 2005, 27, 761-768.	1.8	3
83	Assessing the automaticity of intramodal and crossmodal spatial attentional orienting. Cognitive Processing, 2006, 7, 3-3.	1.4	3
84	On the influence of audio-visual interactions on working memory performance: a study with non-semantic stimuli. Cognitive Processing, 2006, 7, 187-187.	1.4	3
85	Where is Uphill? Exploring Sex Differences When Reorienting on a Sloped Environment Presented through 2-D Images. Perception, 2014, 43, 249-264.	1.2	3
86	Supporting self-managed leisure engagement and communication in post-coma persons with multiple disabilities. Research in Developmental Disabilities, 2015, 38, 75-83.	2.2	3
87	A Metrics Review for Performance Evaluation on Assisted Wheelchair Navigation. Lecture Notes in Computer Science, 2009, , 1145-1152.	1.3	3
88	The role of feedforward control in motor planning. Behavioral and Brain Sciences, 2001, 24, 896-897.	0.7	2
89	Interactive sonification for blind people exploration of geo-referenced data: comparison between a keyboard-exploration and a haptic-exploration interfaces. Cognitive Processing, 2006, 7, 178-179.	1.4	2
90	Cooperative Behavior of Artificial Neural Agents Based on Evolutionary Architectures. , 2008, , .		2

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91	The influence of melodic and rhythmic redundancies on recognition memory for unknown musical themes. Musicae Scientiae, 2009, 13, 337-355.	2.9	2
92	How fMRI Technology Contributes to the Advancement of Research in Mental Imagery: A Review. , 0, , .		2
93	Differences in Distance Estimations in Real and Virtual 3D Environments. Advances in Intelligent Systems and Computing, 2020, , 881-896.	0.6	2
94	Is mental imagery prominently visual?. Behavioral and Brain Sciences, 2002, 25, 204-205.	0.7	1
95	Children's Recognition of Their Musical Performance. Musicae Scientiae, 2003, 7, 31-48.	2.9	1
96	An fMRI study of the binding of audio-visual information: the dissociation between object and space processing. Cognitive Processing, 2006, 7, 138-139.	1.4	1
97	Spatial cognition. Disability and Rehabilitation, 2005, 27, 729-729.	1.8	0
98	Photometric, figural and crossmodal factors in the perception of transparency and in depth stratification of layers. Cognitive Processing, 2009, 10, 204-207.	1.4	0
99	Attentional interference facilitates skilled anticipatory action. Cognitive Processing, 2009, 10, 334-337.	1.4	0
100	P371: Selective attention and performance in controlling a P300-based brain computer interface in people with amyotrophic lateral sclerosis. Clinical Neurophysiology, 2014, 125, S146.	1.5	0
101	Color Binding in Visuo-Spatial Working Memory. Lecture Notes in Computer Science, 2010, , 179-190.	1.3	0