

Donatella Spinelli

List of Publications by Year in descending order

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116
papers

5,459
citations

71102

41
h-index

91884

69
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116
all docs

116
docs citations

116
times ranked

3938
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal analysis of the cortical sources of the steady-state visual evoked potential. <i>Human Brain Mapping</i> , 2007, 28, 323-334.	3.6	269
2	Identification of the neural sources of the pattern-reversal VEP. <i>NeuroImage</i> , 2005, 24, 874-886.	4.2	239
3	Word length effect in early reading and in developmental dyslexia. <i>Brain and Language</i> , 2005, 93, 369-373.	1.6	181
4	Crowding, reading, and developmental dyslexia. <i>Journal of Vision</i> , 2009, 9, 14-14.	0.3	171
5	Markers of developmental surface dyslexia in a language (Italian) with high grapheme-phoneme correspondence. <i>Applied Psycholinguistics</i> , 1999, 20, 191-216.	1.1	167
6	Reading Words and Pseudowords: An Eye Movement Study of Developmental Dyslexia. <i>Brain and Language</i> , 2002, 80, 617-626.	1.6	161
7	Neural correlates of fast stimulus discrimination and response selection in top-level fencers. <i>Neuroscience Letters</i> , 2006, 408, 113-118.	2.1	160
8	Eye movement patterns in linguistic and non-linguistic tasks in developmental surface dyslexia. <i>Neuropsychologia</i> , 1999, 37, 1407-1420.	1.6	156
9	Electrophysiological evidence for an early attentional mechanism in visual processing in humans. <i>Vision Research</i> , 1999, 39, 2975-2985.	1.4	147
10	Crowding Effects on Word Identification in Developmental Dyslexia. <i>Cortex</i> , 2002, 38, 179-200.	2.4	147
11	Prefrontal hyperactivity in older people during motor planning. <i>NeuroImage</i> , 2012, 62, 1750-1760.	4.2	131
12	Length Effect in Word Naming in Reading: Role of Reading Experience and Reading Deficit in Italian Readers. <i>Developmental Neuropsychology</i> , 2005, 27, 217-235.	1.4	123
13	Infant contrast sensitivity evaluated by evoked potentials. <i>Brain Research</i> , 1978, 141, 179-184.	2.2	118
14	Evidence for edge and bar detectors in human vision. <i>Vision Research</i> , 1989, 29, 419-431.	1.4	118
15	Automatic gain control contrast mechanisms are modulated by attention in humans: evidence from visual evoked potentials. <i>Vision Research</i> , 2001, 41, 2435-2447.	1.4	111
16	Rhythmic Oscillations of Visual Contrast Sensitivity Synchronized with Action. <i>Journal of Neuroscience</i> , 2015, 35, 7019-7029.	3.6	97
17	Benefits of Sports Participation for Executive Function in Disabled Athletes. <i>Journal of Neurotrauma</i> , 2010, 27, 2309-2319.	3.4	96
18	Spatiotemporal brain mapping during preparation, perception, and action. <i>NeuroImage</i> , 2016, 126, 1-14.	4.2	94

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19	Spatial neglect is associated with increased latencies of visual evoked potentials. <i>Visual Neuroscience</i> , 1994, 11, 909-918.	1.0	91
20	Color and Luminance Contrasts Attract Independent Attention. <i>Current Biology</i> , 2002, 12, 1134-1137.	3.9	90
21	Rapid naming, not cancellation speed or articulation rate, predicts reading in an orthographically regular language (Italian). <i>Child Neuropsychology</i> , 2005, 11, 349-361.	1.3	79
22	Fixation stability and saccadic latency in elite shooters. <i>Vision Research</i> , 2003, 43, 1837-1845.	1.4	77
23	Effect of Practice on Brain Activity: An Investigation in Top-Level Rifle Shooters. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1586-1593.	0.4	74
24	Neural Correlates of Attentional and Executive Processing in Middle-Age Fencers. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1057-1066.	0.4	70
25	Individual differences in response speed and accuracy are associated to specific brain activities of two interacting systems. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 251.	2.0	70
26	Training of developmental surface dyslexia improves reading performance and shortens eye fixation duration in reading. <i>Neuropsychological Rehabilitation</i> , 2002, 12, 177-197.	1.6	66
27	Impaired visual processing of contralesional stimuli in neglect patients: a visual-evoked potential study. <i>Brain</i> , 2008, 131, 842-854.	7.6	62
28	Characteristics of Writing Disorders in Italian Dyslexic Children. <i>Cognitive and Behavioral Neurology</i> , 2004, 17, 18-31.	0.9	61
29	Different attentional resources modulate the gain mechanisms for color and luminance contrast. <i>Vision Research</i> , 2004, 44, 1389-1401.	1.4	60
30	Vertical Neglect: Behavioral and Electrophysiological Data. <i>Cortex</i> , 1997, 33, 679-688.	2.4	58
31	The Effects of Aging on Conflict Detection. <i>PLoS ONE</i> , 2013, 8, e56566.	2.5	58
32	Developmental surface dyslexia is not associated with deficits in the transient visual system. <i>NeuroReport</i> , 1997, 8, 1807-1812.	1.2	57
33	Spatiotemporal brain mapping of spatial attention effects on pattern reversal ERPs. <i>Human Brain Mapping</i> , 2012, 33, 1334-1351.	3.6	56
34	Influence of the radial and vertical dimensions on lateral neglect. <i>Experimental Brain Research</i> , 2001, 136, 281-294.	1.5	55
35	Letter and letter-string processing in developmental dyslexia. <i>Cortex</i> , 2010, 46, 1272-1283.	2.4	52
36	Rhythmic modulation of visual contrast discrimination triggered by action. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160692.	2.6	52

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37	Discrimination of spatial phase in central and peripheral vision. <i>Vision Research</i> , 1989, 29, 433-445.	1.4	49
38	Lexicality and Stimulus Length Effects in Italian Dyslexics: Role of the Overadditivity Effect. <i>Child Neuropsychology</i> , 2006, 12, 141-149.	1.3	49
39	Benefits of Physical Exercise on Basic Visuo-Motor Functions Across Age. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 48.	3.4	49
40	Multiple stimulus presentation yields larger deficits in children with developmental dyslexia: A study with reading and RAN-type tasks. <i>Child Neuropsychology</i> , 2013, 19, 639-647.	1.3	46
41	Isolating global and specific factors in developmental dyslexia: a study based on the rate and amount model (RAM). <i>Experimental Brain Research</i> , 2008, 186, 551-560.	1.5	45
42	Awareness affects motor planning for goal-oriented actions. <i>Biological Psychology</i> , 2012, 89, 503-514.	2.2	43
43	Electrophysiological evidence for spatial frequency selective mechanisms in adults and infants. <i>Vision Research</i> , 1983, 23, 119-127.	1.4	41
44	The gap between rod and frame influences the rod-and-frame effect with small and large inducing displays. <i>Perception & Psychophysics</i> , 1993, 54, 14-19.	2.3	39
45	Early visual processing in neglect patients: A study with steady-state VEPs. <i>Neuropsychologia</i> , 1996, 34, 1151-1157.	1.6	39
46	Spatial attention has different effects on the magno- and parvocellular pathways. <i>NeuroReport</i> , 1999, 10, 2755-2762.	1.2	39
47	Effects of sustained, voluntary attention on amplitude and latency of steady-state visual evoked potential: a costs and benefits analysis. <i>Clinical Neurophysiology</i> , 2002, 113, 1771-1777.	1.5	39
48	Sport is not always healthy: Executive brain dysfunction in professional boxers. <i>Psychophysiology</i> , 2010, 47, 425-434.	2.4	39
49	Why do we make mistakes? Neurocognitive processes during the preparationâ€“perceptionâ€“action cycle and error-detection. <i>NeuroImage</i> , 2015, 113, 320-328.	4.2	39
50	The role of frame size on vertical and horizontal observers in the rod-and-frame illusion. <i>Acta Psychologica</i> , 1992, 79, 171-187.	1.5	36
51	The effects of spatial frequency adaptation on human evoked potentials. <i>Vision Research</i> , 1976, 16, 477-479.	1.4	35
52	Naming Speed and Visual Search Deficits in Readers With Disabilities: Evidence From an Orthographically Regular Language (Italian). <i>Developmental Neuropsychology</i> , 2006, 30, 885-904.	1.4	35
53	The premotor role of the prefrontal cortex in response consistency.. <i>Neuropsychology</i> , 2015, 29, 767-775.	1.3	34
54	Eye Movement Patterns in Reading as a Function of Visual Field Defects and Contrast Sensitivity Loss. <i>Cortex</i> , 1996, 32, 491-502.	2.4	31

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55	The eye-voice lead during oral reading in developmental dyslexia. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 696.	2.0	31
56	How the brain prevents a second error in a perceptual decision-making task. <i>Scientific Reports</i> , 2016, 6, 32058.	3.3	31
57	Missing the Target: the Neural Processing Underlying the Omission Error. <i>Brain Topography</i> , 2017, 30, 352-363.	1.8	30
58	VEP in neglect patients have longer latencies for luminance but not for chromatic patterns. <i>NeuroReport</i> , 1996, 7, 815-819.	1.2	28
59	Modeling individual differences in text reading fluency: a different pattern of predictors for typically developing and dyslexic readers. <i>Frontiers in Psychology</i> , 2014, 5, 1374.	2.1	28
60	Similar Cerebral Motor Plans for Real and Virtual Actions. <i>PLoS ONE</i> , 2012, 7, e47783.	2.5	27
61	Local and global visual mechanisms underlying individual differences in the rod-and-frame illusion. <i>Perception & Psychophysics</i> , 1995, 57, 915-920.	2.3	25
62	Visual evoked potentials are affected by trunk rotation in neglect patients. <i>NeuroReport</i> , 1996, 7, 553-556.	1.2	25
63	Discrete versus multiple word displays: a re-analysis of studies comparing dyslexic and typically developing children. <i>Frontiers in Psychology</i> , 2015, 6, 1530.	2.1	23
64	Awareness of perception and sensory-motor integration: ERPs from the anterior insula. <i>Brain Structure and Function</i> , 2018, 223, 3577-3592.	2.3	23
65	Pattern-Reversal Visual-Evoked Potentials in Patients with Hemineglect Syndrome. <i>Brain and Cognition</i> , 1995, 27, 17-35.	1.8	22
66	Hemispheric asymmetry of pattern reversal visual evoked potentials in healthy subjects. <i>International Journal of Psychophysiology</i> , 1987, 4, 325-328.	1.0	21
67	Visual acuity in the young infant is highest in a small retinal area. <i>Vision Research</i> , 1983, 23, 1133-1136.	1.4	20
68	Frame-of-Reference and Hierarchical-Organisation Effects in the Rod-and-Frame Illusion. <i>Perception</i> , 1997, 26, 1485-1494.	1.2	20
69	Brain waves from an "isolated" cortex: contribution of the anterior insula to cognitive functions. <i>Brain Structure and Function</i> , 2017, 223, 1343-1355.	2.3	19
70	Development of retinal and cortical responses to pattern reversal in infants: A selective review. <i>Behavioural Brain Research</i> , 1983, 10, 99-106.	2.2	18
71	Modulation of the Rod-And-Frame Illusion by Additional External Stimuli. <i>Perception</i> , 1995, 24, 1105-1118.	1.2	18
72	Visual Factors Affecting the Rod-And-Frame Illusion: Role of Gap Size and Frame Components. <i>Perception</i> , 1995, 24, 1119-1130.	1.2	18

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73	Perceptual load in decision making: The role of anterior insula and visual areas. An ERP study. <i>Neuropsychologia</i> , 2019, 129, 65-71.	1.6	18
74	Bridging the gap between different measures of the reading speed deficit in developmental dyslexia. <i>Experimental Brain Research</i> , 2014, 232, 237-252.	1.5	17
75	Orientation Sensitivity in the Peripheral Visual Field. <i>Perception</i> , 1984, 13, 41-47.	1.2	16
76	Perception of moving and stationary gratings in brain damaged patients with unilateral spatial neglect. <i>Neuropsychologia</i> , 1992, 30, 393-401.	1.6	16
77	Electrophysiological evidence of sustained spatial attention effects over anterior cortex: Possible contribution of the anterior insula. <i>Psychophysiology</i> , 2019, 56, e13369.	2.4	16
78	Perceptual and Cognitive Factors Imposing "Speed Limits" on Reading Rate: A Study with the Rapid Serial Visual Presentation. <i>PLoS ONE</i> , 2016, 11, e0153786.	2.5	16
79	Left"Right Visual Field Asymmetry in Bistable Motion Perception. <i>Perception</i> , 1988, 17, 721-727.	1.2	15
80	Handedness and hemispheric asymmetry of pattern reversal visual-evoked potentials. <i>Brain and Cognition</i> , 1990, 13, 193-210.	1.8	15
81	Latency of Prosaccades and Antisaccades in Professional Shooters. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 388-394.	0.4	15
82	Stimulus onset predictability modulates proactive action control in a Go/No-go task. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 101.	2.0	15
83	Ocular Dominance Stability and Reading Skill: A Controversial Relationship. <i>Optometry and Vision Science</i> , 2011, 88, 1353-1362.	1.2	14
84	An electrophysiological correlate of perceptual suppression in anisometropia. <i>Vision Research</i> , 1978, 18, 1617-1621.	1.4	13
85	Contrast sensitivity and low spatial frequency discrimination in hemi-neglect patients. <i>Neuropsychologia</i> , 1990, 28, 727-732.	1.6	13
86	The motor preparation of directionally incompatible movements. <i>NeuroImage</i> , 2014, 91, 33-42.	4.2	13
87	Predicting individual differences in reading, spelling and maths in a sample of typically developing children: A study in the perspective of comorbidity. <i>PLoS ONE</i> , 2020, 15, e0231937.	2.5	13
88	Prompting future events: Effects of temporal cueing and time on task on brain preparation to action. <i>Brain and Cognition</i> , 2020, 141, 105565.	1.8	13
89	The Effects of Visual Field Size on Hemispheric Asymmetry of Pattern Reversal Visual Evoked Potentials. <i>International Journal of Neuroscience</i> , 1990, 51, 141-151.	1.6	12
90	Neglect for low luminance contrast stimuli but not for high colour contrast stimuli. <i>NeuroReport</i> , 1996, 7, 1360-1364.	1.2	12

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91	Editorial: Understanding Developmental Dyslexia: Linking Perceptual and Cognitive Deficits to Reading Processes. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 140.	2.0	12
92	Contrast Sensitivity Loss in The Neglected Hemifield. <i>Cortex</i> , 1998, 34, 139-145.	2.4	11
93	Slowing in reading and picture naming: the effects of aging and developmental dyslexia. <i>Experimental Brain Research</i> , 2017, 235, 3093-3109.	1.5	11
94	Hemispheric differences in VEPs to lateralised stimuli are a marker of recovery from neglect. <i>Cortex</i> , 2013, 49, 931-939.	2.4	9
95	I know what I will see: action-specific motor preparation activity in a passive observation task. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 783-789.	3.0	9
96	Preparatory ERPs in visual, auditory, and somatosensory discriminative motor tasks. <i>Psychophysiology</i> , 2020, 57, e13687.	2.4	9
97	Lines and gratings: Different interocular after-effects. <i>Vision Research</i> , 1976, 16, 1303-1309.	1.4	8
98	Spatio-temporal mapping of motor preparation for self-paced saccades. <i>Biological Psychology</i> , 2012, 90, 10-17.	2.2	8
99	Failure to learn a new spatial format in children with developmental dyslexia. <i>Scientific Reports</i> , 2015, 4, 4869.	3.3	8
100	Reading and lexical-decision tasks generate different patterns of individual variability as a function of condition difficulty. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1161-1169.	2.8	8
101	Proactive Cortical Control in Spinal Cord Injury Subjects with Paraplegia. <i>Journal of Neurotrauma</i> , 2019, 36, 3347-3355.	3.4	8
102	Hierarchical Organisation in Perception of Orientation. <i>Perception</i> , 1999, 28, 965-979.	1.2	7
103	Subtypes of developmental dyslexia in transparent orthographies: A comment on Lachmann and Van Leeuwen (2008). <i>Cognitive Neuropsychology</i> , 2009, 26, 752-758.	1.1	7
104	Transcutaneous Electrical Nerve Stimulation Effects on Neglect: A Visual-Evoked Potential Study. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 111.	2.0	7
105	Sustained visuospatial attention enhances lateralized anticipatory ERP activity in sensory areas. <i>Brain Structure and Function</i> , 2021, 226, 457-470.	2.3	7
106	Contrast and Hemispheric Asymmetry: An Electrophysiological Investigation. <i>International Journal of Neuroscience</i> , 1990, 50, 113-119.	1.6	6
107	Measuring fixation disparity with infrared eye-trackers. <i>Journal of Biomedical Optics</i> , 2009, 14, 014013.	2.6	6
108	Testing the Specificity of Predictors of Reading, Spelling and Maths: A New Model of the Association Among Learning Skills Based on Competence, Performance and Acquisition. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 573998.	2.0	6

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109	Selective reading slowness in a traumatic patient with impairment in basic visual processes. Journal of Clinical and Experimental Neuropsychology, 1995, 17, 878-899.	1.3	5
110	Hierarchical organisation in perception of orientation. Perception, 1999, 28, 965-979.	1.2	5
111	Contrast influence on perceived orientation. Vision Research, 1982, 22, 783-785.	1.4	4
112	Loss of visual information in neglect: the effect of chromatic- versus luminance-contrast stimuli in a "what" task. Experimental Brain Research, 2005, 163, 527-534.	1.5	4
113	Underestimation of contralateral space in neglect: a deficit in the "where" task. Experimental Brain Research, 2004, 159, 319-328.	1.5	3
114	Contrast summation in dichoptic vision. Psychological Research, 1983, 45, 1-10.	1.7	1
115	Large Errors in the Perception of Verticality are Generated by Luminance Borders (Integrated across) Tj ETQq1 1 0.784314 rgBT /Overbo	1.2	0
116	Studying space representation within a neuropsychological perspective. Experimental Brain Research, 2010, 206, 105-108.	1.5	0