Leonardo Chelazzi

List of Publications by Citations

75 papers	8,516 citations	33 h-index	79 g-index
79 ext. papers	9,360 ext. citations	5.1 avg, IF	6.07 L-index

#	Paper	IF	Citations
75	Neural mechanisms of spatial selective attention in areas V1, V2, and V4 of macaque visual cortex. *Journal of Neurophysiology*, **1997**, 77, 24-42	3.2	1306
74	A neural basis for visual search in inferior temporal cortex. *Nature*, **1993**, 363, 345-7	50.4	1115
73	Competitive mechanisms subserve attention in macaque areas V2 and V4. *Journal of Neuroscience*, **1999**, 19, 1736-53	6.6	1037
72	Attentional modulation of visual processing. *Annual Review of Neuroscience*, **2004**, 27, 611-47	17	817
71	Responses of neurons in inferior temporal cortex during memory-guided visual search. *Journal of Neurophysiology*, **1998**, 80, 2918-40	3.2	545
70	Reward changes salience in human vision via the anterior cingulate. *Journal of Neuroscience*, **2010**, 30, 11096-103	6.6	437
69	Visual selective attention and the effects of monetary rewards. *Psychological Science*, **2006**, 17, 222-7	7.9	294
68	Rewards teach visual selective attention. *Vision Research*, **2013**, 85, 58-72	2.1	260
67	Learning to attend and to ignore is a matter of gains and losses. *Psychological Science*, **2009**, 20, 778-84	7.9	254
66	Associative knowledge controls deployment of visual selective attention. *Nature Neuroscience*, **2003**, 6, 182-9	25.5	219
65	Toward a unified theory of visual area V4. *Neuron*, **2012**, 74, 12-29	13.9	198
64	Distribution in the visual field of the costs of voluntarily allocated attention and of the inhibitory after-effects of covert orienting. *Neuropsychologia*, **1987**, 25, 55-71	3.2	157
63	My eyes want to look where your eyes are looking: exploring the tendency to imitate another individual's gaze. *NeuroReport*, **2002**, 13, 2259-64	1.7	139
62	Reward guides vision when it's your thing: trait reward-seeking in reward-mediated visual priming. *PLoS ONE*, **2010**, 5, e14087	3.7	117
61	Altering spatial priority maps via reward-based learning. *Journal of Neuroscience*, **2014**, 34, 8594-604	6.6	113
60	Do peripheral non-informative cues induce early facilitation of target detection?. *Vision Research*, **1994**, 34, 179-89	2.1	110
59	Neurons in area V4 of the macaque translate attended visual features into behaviorally relevant categories. *Neuron*, **2007**, 54, 303-18	13.9	93

58	Sluggish engagement and disengagement of non-spatial attention in dyslexic children. *Cortex*, **2008**, 44, 1221-33	3.8	90
57	Altering spatial priority maps via statistical learning of target selection and distractor filtering. *Cortex*, **2018**, 102, 67-95	3.8	88
56	Volitional covert orienting to a peripheral cue does not suppress cue-induced inhibition of return. *Journal of Cognitive Neuroscience*, **2000**, 12, 648-63	3.1	83
55	Serial attention mechanisms in visual search: a critical look at the evidence. *Psychological Research*, **1999**, 62, 195-219	2.5	76
54	Learning increases stimulus salience in anterior inferior temporal cortex of the macaque. *Journal of Neurophysiology*, **2001**, 86, 290-303	3.2	71
53	Reward has a residual impact on target selection in visual search, but not on the suppression of distractors. *Visual Cognition*, **2011**, 19, 117-128	1.8	68
52	Oculomotor activity and visual spatial attention. *Behavioural Brain Research*, **1995**, 71, 81-8	3.4	58
51	Getting rid of visual distractors: the why, when, how, and where. *Current Opinion in Psychology*, **2019**, 29, 135-147	6.2	53
50	The urgency to look: prompt saccades to the benefit of perception. *Vision Research*, **2005**, 45, 3391-401	2.1	50
49	Selective attention to specific features within objects: behavioral and electrophysiological evidence. *Journal of Cognitive Neuroscience*, **2006**, 18, 539-61	3.1	49
48	Laws of concatenated perception: Vision goes for novelty, decisions for perseverance. *PLoS Biology*, **2019**, 17, e3000144	9.7	46
47	Serial attention mechanisms in visual search: a direct behavioral demonstration. *Journal of Cognitive Neuroscience*, **2002**, 14, 980-93	3.1	44
46	Dissociable effects of reward on attentional learning: from passive associations to active monitoring. *PLoS ONE*, **2011**, 6, e19460	3.7	43
45	Orchestrating Proactive and Reactive Mechanisms for Filtering Distracting Information: Brain-Behavior Relationships Revealed by a Mixed-Design fMRI Study. *Journal of Neuroscience*, **2016**, 36, 988-1000	6.6	41
44	Reward-priming of location in visual search. *PLoS ONE*, **2014**, 9, e103372	3.7	40
43	Saccadic Eye Movements and Gaze Holding in the Head-Restrained Pigmented Rat. *European Journal of Neuroscience*, **1989**, 1, 639-646	3.5	33
42	The costly filtering of potential distraction: evidence for a supramodal mechanism. *Journal of Experimental Psychology: General*, **2013**, 142, 906-22	4.7	31
41	Spontaneous Saccades and Gaze-Holding Ability in the Pigmented Rat. II. Effects of Localized Cerebellar Lesions. *European Journal of Neuroscience*, **1990**, 2, 1085-1094	3.5	31

40	Desensitizing the attention system to distraction while idling: A new latent learning phenomenon in the visual attention domain. *Journal of Experimental Psychology: General*, **2018**, 147, 1827-1850	4.7	29
39	Neural basis of visual selective attention. *Wiley Interdisciplinary Reviews: Cognitive Science*, **2011**, 2, 392-407	4.3	26
38	Disentangling the Role of Cortico-Basal Ganglia Loops in Top-Down and Bottom-Up Visual Attention: An Investigation of Attention Deficits in Parkinson Disease. *Journal of Cognitive Neuroscience*, **2015**, 27, 1215-37	3.1	21
37	Neural structures involved in visual search guidance by reward-enhanced contextual cueing of the target location. *NeuroImage*, **2016**, 124, 887-897	7.9	20
36	The cerebellum and visual perceptual learning: evidence from a motion extrapolation task. *Cortex*, **2014**, 58, 52-71	3.8	20
35	Selective tuning for contrast in macaque area V4. *Journal of Neuroscience*, **2013**, 33, 18583-96	6.6	19
34	Selecting and ignoring the component features of a visual object: A negative priming paradigm. *Visual Cognition*, **2006**, 14, 584-618	1.8	19
33	Neural mechanisms for stimulus selection in cortical areas of the macaque subserving object vision. *Behavioural Brain Research*, **1995**, 71, 125-34	3.4	17
32	Does the macaque monkey provide a good model for studying human executive control? A comparative behavioral study of task switching. *PLoS ONE*, **2011**, 6, e21489	3.7	16
31	Temporally evolving gain mechanisms of attention in macaque area V4. *Journal of Neurophysiology*, **2017**, 118, 964-985	3.2	14
30	Dynamic interaction between "Go" and "Stop" signals in the saccadic eye movement system: New evidence against the functional independence of the underlying neural mechanisms. *Vision Research*, **2009**, 49, 1316-28	2.1	12
29	Probing the Neural Mechanisms for Distractor Filtering and Their History-Contingent Modulation by Means of TMS. *Journal of Neuroscience*, **2019**, 39, 7591-7603	6.6	11
28	Spontaneous Saccades and Gaze-Holding Ability in the Pigmented Rat. I. Effects of Inferior Olive Lesion. *European Journal of Neuroscience*, **1990**, 2, 1074-1084	3.5	11
27	On the time course of exogenous cueing effects: a response to Lupi□z and Weaver. *Vision Research*, **1998**, 38, 1625-1628	2.1	10
26	Reward-based plasticity of spatial priority maps: Exploiting inter-subject variability to probe the underlying neurobiology. *Cognitive Neuroscience*, **2017**, 8, 85-101	1.7	8
25	Cooperative and opposing effects of strategic and involuntary attention. *Journal of Cognitive Neuroscience*, **2011**, 23, 2838-51	3.1	8
24	The Time Constant of Attentional Control: Short, Medium and Long (Infinite?). *Journal of Cognition*, **2018**, 1, 27	3.2	7
23	Biases of attention in chronic smokers: men and women are not alike. *Cognitive, Affective and Behavioral Neuroscience*, **2014**, 14, 742-55	3.5	6

22	Local (focussed) and global (distributed) visual processing in hemispatial neglect. *Experimental Brain Research*, **2008**, 187, 447-57	2.3	5
21	Predictive brain: Addressing the level of representation by reviewing perceptual hysteresis. *Cortex*, **2021**, 141, 535-540	3.8	4
20	Laws of concatenated perception: Vision goes for novelty, Decisions for perseverance		3
19	Two Distinct Systems Represent Contralateral and Ipsilateral Sensorimotor Processes in the Human Premotor Cortex: A Dense TMS Mapping Study. *Cerebral Cortex*, **2020**, 30, 2250-2266	5.1	3
18	The Topography of Visually Guided Grasping in the Premotor Cortex: A Dense-Transcranial Magnetic Stimulation (TMS) Mapping Study. *Journal of Neuroscience*, **2020**, 40, 6790-6800	6.6	3
17	Revealing Dissociable Attention Biases in Chronic Smokers Through an Individual-Differences Approach. *Scientific Reports*, **2019**, 9, 4930	4.9	2
16	High-Acuity Information Is Retained through the Cortical Visual Hierarchy of Primates. *Neuron*, **2018**, 98, 240-242	13.9	2
15	Antagonist action of imidazobenzodiazepine Ro 15-4513 on ethanol-induced alterations of saccadic eye movements in the pigmented rat. *Neuroscience Letters*, **1988**, 89, 69-73	3.3	2
14	Modulating the influence of recent trial history on attentional capture via transcranial magnetic stimulation (TMS) of right TPJ. *Cortex*, **2020**, 133, 149-160	3.8	2
13	Augmenting distractor filtering via transcranial magnetic stimulation of the lateral occipital cortex. *Cortex*, **2016**, 84, 63-79	3.8	2
12	The role of the vestibular system in value attribution to positive and negative reinforcers. *Cortex*, **2020**, 133, 215-235	3.8	1
11	An EEG study of the combined effects of top-down and bottom-up attentional selection under varying task difficulty.. *Psychophysiology*, **2022**, e14002	4.1	1
10	Statistical learning of distractor suppression. *Journal of Vision*, **2017**, 17, 674	0.4	1
9	Optic Nerve Degeneration and Reduced Contrast Sensitivity Due to Folic Acid Deficiency: A Behavioral and Electrophysiological Study in Rhesus Monkeys **2018**, 59, 6045-6056		1
8	How feature context alters attentional template switching. *Journal of Experimental Psychology: Human Perception and Performance*, **2021**, 47, 1431-1444	2.6	1
7	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**, 119206	7.9	0
6	Effects of ethanol and imidazobenzodiazepine Ro 15-4513 on spontaneous saccades of the pigmented rat. *Experimental Brain Research*, **1989**, 76, 1-11	2.3	
5	Investigating the role of the Frontal Eye Field (FEF) and of the Intraparietal Sulcus (IPS) in attentional capture: A TMS study. *Journal of Vision*, **2018**, 18, 451	0.4	

4	Laws of concatenated perception: Vision goes for novelty, Decisions for perseverance. *Journal of Vision*, **2018**, 18, 1049	0.4
3	Compound statistical learning of target selection and distractor suppression. *Journal of Vision*, **2018**, 18, 284	0.4
2	Modulating attentional capture via Transcranial Magnetic Stimulation (TMS) of right TPJ. *Journal of Vision*, **2019**, 19, 141c	0.4
1	Integrating top-down and bottom-up attention control factors: an EEG study. *Journal of Vision*, **2021**, 21, 2565	0.4