

# Jean-RenÃ© Duhamel

## List of Publications by Year in descending order

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81  
papers

11,540  
citations

61857

43  
h-index

74018

75  
g-index

83  
all docs

83  
docs citations

83  
times ranked

8083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual, presaccadic, and cognitive activation of single neurons in monkey lateral intraparietal area. <i>Journal of Neurophysiology</i> , 1996, 76, 2841-2852.	0.9	923
2	Promoting social behavior with oxytocin in high-functioning autism spectrum disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4389-4394.	3.3	807
3	The Mental Representation of Hand Movements After Parietal Cortex Damage. <i>Science</i> , 1996, 273, 1564-1568.	6.0	801
4	Ventral Intraparietal Area of the Macaque: Congruent Visual and Somatic Response Properties. <i>Journal of Neurophysiology</i> , 1998, 79, 126-136.	0.9	747
5	The Involvement of the Orbitofrontal Cortex in the Experience of Regret. <i>Science</i> , 2004, 304, 1167-1170.	6.0	651
6	A computational perspective on the neural basis of multisensory spatial representations. <i>Nature Reviews Neuroscience</i> , 2002, 3, 741-747.	4.9	631
7	Spatial invariance of visual receptive fields in parietal cortex neurons. <i>Nature</i> , 1997, 389, 845-848.	13.7	552
8	Reference frames for representing visual and tactile locations in parietal cortex. <i>Nature Neuroscience</i> , 2005, 8, 941-949.	7.1	393
9	Motor and Visual Imagery as Two Complementary but Neurally Dissociable Mental Processes. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 910-919.	1.1	360
10	Heterogeneity of extrastriate visual areas and multiple parietal areas in the Macaque monkey. <i>Neuropsychologia</i> , 1991, 29, 517-537.	0.7	308
11	THE ROLE OF SENSORIMOTOR EXPERIENCE IN OBJECT RECOGNITION. <i>Brain</i> , 1991, 114, 2555-2573.	3.7	291
12	Visual-vestibular interactive responses in the macaque ventral intraparietal area (VIP). <i>European Journal of Neuroscience</i> , 2002, 16, 1569-1586.	1.2	283
13	Congruent unilateral impairments for real and imagined hand movements. <i>NeuroReport</i> , 1995, 6, 997-1001.	0.6	267
14	Oculocentric Spatial Representation in Parietal Cortex. <i>Cerebral Cortex</i> , 1995, 5, 470-481.	1.6	236
15	Multisensory Integration in the Ventral Intraparietal Area of the Macaque Monkey. <i>Journal of Neuroscience</i> , 2007, 27, 1922-1932.	1.7	231
16	Representation of the visual field in the lateral intraparietal area of macaque monkeys: a quantitative receptive field analysis. <i>Experimental Brain Research</i> , 2001, 140, 127-144.	0.7	214
17	Contribution of the Monkey Frontal Eye Field to Covert Visual Attention. <i>Journal of Neuroscience</i> , 2006, 26, 4228-4235.	1.7	214
18	Saccadic Target Selection Deficits after Lateral Intraparietal Area Inactivation in Monkeys. <i>Journal of Neuroscience</i> , 2002, 22, 9877-9884.	1.7	203

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19	Heading encoding in the macaque ventral intraparietal area (VIP). <i>European Journal of Neuroscience</i> , 2002, 16, 1554-1568.	1.2	200
20	A Selective Impairment of Hand Posture for Object Utilization in Apraxia. <i>Cortex</i> , 1995, 31, 41-55.	1.1	199
21	Spatial representations for action in parietal cortex. <i>Cognitive Brain Research</i> , 1996, 5, 105-115.	3.3	190
22	SACCADIC DYSMETRIA IN A PATIENT WITH A RIGHT FRONTOPARIETAL LESION. <i>Brain</i> , 1992, 115, 1387-1402.	3.7	185
23	Representation of Visuomotor Space in the Parietal Lobe of the Monkey. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1990, 55, 729-739.	2.0	184
24	Space Coding in Primate Posterior Parietal Cortex. <i>NeuroImage</i> , 2001, 14, S46-S51.	2.1	178
25	A Deficit in Covert Attention after Parietal Cortex Inactivation in the Monkey. <i>Neuron</i> , 2004, 42, 501-508.	3.8	164
26	Modulation of value representation by social context in the primate orbitofrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2126-2131.	3.3	144
27	The Influence of Hand Posture on Corticospinal Excitability during Motor Imagery: A Transcranial Magnetic Stimulation Study. <i>Cerebral Cortex</i> , 2004, 14, 1200-1206.	1.6	143
28	Spontaneous voice-face identity matching by rhesus monkeys for familiar conspecifics and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1735-1740.	3.3	138
29	Optimal Sensorimotor Integration in Recurrent Cortical Networks: A Neural Implementation of Kalman Filters. <i>Journal of Neuroscience</i> , 2007, 27, 5744-5756.	1.7	110
30	Visual Receptive Field Modulation in the Lateral Intraparietal Area during Attentive Fixation and Free Gaze. <i>Cerebral Cortex</i> , 2002, 12, 234-245.	1.6	88
31	Audio-Spatial Deficits in Humans: Differential Effects Associated with Left Versus Right Hemisphere Parietal Damage. <i>Cortex</i> , 1989, 25, 175-186.	1.1	86
32	Schema cells in the macaque hippocampus. <i>Science</i> , 2019, 363, 635-639.	6.0	81
33	A Functional Hierarchy within the Parietofrontal Network in Stimulus Selection and Attention Control. <i>Journal of Neuroscience</i> , 2013, 33, 8359-8369.	1.7	79
34	A comparison of methods to measure central and peripheral oxytocin concentrations in human and non-human primates. <i>Scientific Reports</i> , 2017, 7, 17222.	1.6	75
35	Gaze-informed, task-situated representation of space in primate hippocampus during virtual navigation. <i>PLoS Biology</i> , 2017, 15, e2001045.	2.6	75
36	The role of the right parietal lobe in anorexia nervosa. <i>Psychological Medicine</i> , 2010, 40, 1531-1539.	2.7	72

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37	Chapter 27 The analysis of visual space by the lateral intraparietal area of the monkey: the role of extraretinal signals. <i>Progress in Brain Research</i> , 1993, 95, 307-316.	0.9	68
38	Individualism, conservatism, and radicalism as criteria for processing political beliefs: A parametric fMRI study. <i>Social Neuroscience</i> , 2009, 4, 367-383.	0.7	61
39	Eye position encoding in the macaque ventral intraparietal area (VIP). <i>NeuroReport</i> , 1999, 10, 873-878.	0.6	57
40	Oxytocin and Serotonin Brain Mechanisms in the Nonhuman Primate. <i>Journal of Neuroscience</i> , 2017, 37, 6741-6750.	1.7	52
41	Parallel integral projection transform for straight electrode localization in 3-D ultrasound images. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1559-1569.	1.7	50
42	Optimal Sensorimotor Control in Eye Movement Sequences. <i>Journal of Neuroscience</i> , 2009, 29, 3026-3035.	1.7	47
43	Stages of Self-Motion Processing in Primate Posterior Parietal Cortex. <i>International Review of Neurobiology</i> , 2000, 44, 173-198.	0.9	45
44	Ocular fixation and visual activity in the monkey lateral intraparietal area. <i>Experimental Brain Research</i> , 2002, 142, 512-528.	0.7	44
45	Differential Dynamics of Spatial Attention, Position, and Color Coding within the Parietofrontal Network. <i>Journal of Neuroscience</i> , 2015, 35, 3174-3189.	1.7	44
46	Face cells in orbitofrontal cortex represent social categories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11158-E11167.	3.3	43
47	Independent Neuronal Representation of Facial and Vocal Identity in the Monkey Hippocampus and Inferotemporal Cortex. <i>Cerebral Cortex</i> , 2016, 26, 950-966.	1.6	42
48	The relationship between spatial attention and saccades in the frontoparietal network of the monkey. <i>European Journal of Neuroscience</i> , 2011, 33, 1973-1981.	1.2	41
49	Rudimentary empathy in macaques™ social decision-making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15516-15521.	3.3	41
50	A real-time 3D video tracking system for monitoring primate groups. <i>Journal of Neuroscience Methods</i> , 2014, 234, 147-152.	1.3	36
51	Selective Inhibition of Volitional Hand Movements after Stimulation of the Dorsoposterior Parietal Cortex in Humans. <i>Current Biology</i> , 2018, 28, 3303-3309.e3.	1.8	35
52	Deep dysphasia in a case of phonemic deafness: Role of the right hemisphere in auditory language comprehension. <i>Neuropsychologia</i> , 1986, 24, 769-779.	0.7	31
53	Saliency Representation in the Parietal and Frontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 918-930.	1.1	28
54	The Representation of Movement in Near Extra-Personal Space in the Macaque Ventral Intraparietal Area (VIP). , 1997, , 619-630.		26

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55	Multisensory integration in multiple reference frames in the posterior parietal cortex. <i>Cognitive Processing</i> , 2004, 5, 159.	0.7	25
56	Differential effects of parietal and frontal inactivations on reaction times distributions in a visual search task. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 39.	1.0	24
57	Sensorimotor aspects of unilateral neglect: A single case analysis. <i>Cognitive Neuropsychology</i> , 1990, 7, 57-74.	0.4	20
58	The Spatial and Temporal Deployment of Voluntary Attention across the Visual Field. <i>PLoS ONE</i> , 2009, 4, e6716.	1.1	20
59	Spatial and Temporal Dynamics of Attentional Guidance during Inefficient Visual Search. <i>PLoS ONE</i> , 2008, 3, e2219.	1.1	17
60	Attentional guidance relies on a winner-take-all mechanism. <i>Vision Research</i> , 2009, 49, 1522-1531.	0.7	15
61	Spatial Coding of the Predicted Impact Location of a Looming Object. <i>Current Biology</i> , 2004, 14, 1174-1180.	1.8	13
62	Compete to Play: Trade-Off with Social Contact in Long-Tailed Macaques ( <i>Macaca fascicularis</i> ). <i>PLoS ONE</i> , 2014, 9, e115965.	1.1	12
63	Leftward oculomotor prismatic training induces a rightward bias in normal subjects. <i>Experimental Brain Research</i> , 2017, 235, 1759-1770.	0.7	11
64	Effect of Serotonin Depletion Induced by <i>p</i> -Chloroamphetamine on Changes in Rats' Activity Levels Produced by Lithium. <i>Neuropsychobiology</i> , 1982, 8, 129-134.	0.9	9
65	Implicit preference for human trustworthy faces in macaque monkeys. <i>Nature Communications</i> , 2018, 9, 4529.	5.8	9
66	Attentional Modulation of Visual Receptive Fields in the Posterior Parietal Cortex of the Behaving Macaque. , 1997, , 371-384.		8
67	Reward and decision processes in the brains of humans and nonhuman primates. <i>Dialogues in Clinical Neuroscience</i> , 2016, 18, 45-53.	1.8	8
68	Manual Pointing to Auditory Targets: Performances of Right Versus Left Handed Subjects. <i>Cortex</i> , 1986, 22, 633-638.	1.1	7
69	Effects of MDMA Injections on the Behavior of Socially-Housed Long-Tailed Macaques ( <i>Macaca</i> )	1.1	7
70	The role of the posterior parietal cortex in saccadic error processing. <i>Brain Structure and Function</i> , 2020, 225, 763-784.	1.2	7
71	Multisensory Integration in Cortex. <i>Neuron</i> , 2002, 34, 493-495.	3.8	6
72	Visual search without attentional displacement. <i>Journal of Vision</i> , 2009, 9, 9-9.	0.1	6

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73	Multisensory self-emotion encoding in parietal cortex. <i>Visual Cognition</i> , 2004, 11, 161-172.	0.9	3
74	Blood microsampling from the ear capillary in non-human primates. <i>Laboratory Animals</i> , 2015, 49, 349-352.	0.5	3
75	Two functions of the primate amygdala in social gaze. <i>Neuropsychologia</i> , 2021, 157, 107881.	0.7	3
76	Multiple Parietal Representations of Space. , 1996, , 37-52.		3
77	Short-Term Reciprocity in Macaque's Social Decision-Making. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 225.	1.0	2
78	Movement, action and consciousness: toward a physiology of intentionality. <i>Neuropsychologia</i> , 2005, 43, 149-150.	0.7	0
79	Reply to Cronin: Consistency between decision-making, gaze, and natural social behavior validates inferences on macaque social cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1332-E1333.	3.3	0
80	Social Decision-Making in Nonhuman Primates. , 2017, , 179-187.		0
81	Plasticity - Memory - Attention. , 1994, , 221-285.		0