Denis Pelisson

List of Publications by Year
in descending order

87 papers	5,341 citations	109137 35 h-index	85405 71 g-index
91 all docs	91 docs citations	91 times ranked	3555 citing authors

#	Article	IF	Citations
1	Large adjustments in visually guided reaching do not depend on vision of the hand or perception of target displacement. Nature, 1986, 320, 748-750.	13.7	1,039
2	Consensus Paper: Roles of the Cerebellum in Motor Controlâ€"The Diversity of Ideas on Cerebellar Involvement in Movement. Cerebellum, 2012, 11, 457-487.	1.4	644
3	From Eye to Hand: Planning Goal-directed Movements. Neuroscience and Biobehavioral Reviews, 1998, 22, 761-788.	2.9	255
4	Movement of neural activity on the superior colliculus motor map during gaze shifts. Science, 1991, 251, 1358-1360.	6.0	235
5	Sensorimotor adaptation of saccadic eye movements. Neuroscience and Biobehavioral Reviews, 2010, 34, 1103-1120.	2.9	176
6	Vestibuloocular reflex inhibition and gaze saccade control characteristics during eye-head orientation in humans. Journal of Neurophysiology, 1988, 59, 997-1013.	0.9	163
7	Compensatory eye and head movements generated by the cat following stimulation-induced perturbations in gaze position. Experimental Brain Research, 1989, 78, 654-8.	0.7	160
8	Vestibulo-ocular reflex (VOR) induced by passive head rotation and goal-directed saccadic eye movements do not simply add in man. Brain Research, 1986, 380, 397-400.	1.1	156
9	Functional anatomy of saccadic adaptation in humans. Nature Neuroscience, 1998, 1, 524-528.	7.1	127
10	The caudo ventral pontine tegmentum is involved in the generation of high velocity eye saccades in bursts during paradoxical sleep in the cat. Neuroscience Letters, 1996, 213, 127-131.	1.0	124
11	New insights on eye blindness and hand sight: Temporal constraints of visuo-motor networks. Visual Cognition, 2000, 7, 785-809.	0.9	112
12	Eye Saccade Dynamics During Paradoxical Sleep in the Cat. European Journal of Neuroscience, 1994, 6, 1298-1306.	1.2	111
13	Automatic online control of motor adjustments in reaching and grasping. Neuropsychologia, 2014, 55, 25-40.	0.7	88
14	Persistent visual impairment in multiple sclerosis: prevalence, mechanisms and resulting disability. Multiple Sclerosis Journal, 2013, 19, 1618-1626.	1.4	79
15	Functional adaptation of reactive saccades in humans: a PET study. Experimental Brain Research, 2000, 132, 243-259.	0.7	76
16	Long-term sensorimotor and therapeutical effects of a mild regime of prism adaptation in spatial neglect. A double-blind RCT essay. Annals of Physical and Rehabilitation Medicine, 2015, 58, 40-53.	1.1	76
17	Contribution of the Rostral Fastigial Nucleus to the Control of Orienting Gaze Shifts in the Head-Unrestrained Cat. Journal of Neurophysiology, 1998, 80, 1180-1196.	0.9	73
18	Oculomotor plasticity: Are mechanisms of adaptation for reactive and voluntary saccades separate?. Brain Research, 2007, 1135, 107-121.	1.1	73

#	Article	IF	Citations
19	Modifications in end positions of arm movements following short term saccadic adaptation. NeuroReport, 1995, 6, 1733-1736.	0.6	66
20	Saccade control and eyeâ€“hand coordination in optic ataxia. Neuropsychologia, 2008, 46, 475-486.	0.7	64
21	Adaptation of Voluntary Saccades, But Not of Reactive Saccades, Transfers to Hand Pointing Movements. Journal of Neurophysiology, 2007, 98, 602-612.	0.9	63
22	Behavioral Evidence of Separate Adaptation Mechanisms Controlling Saccade Amplitude Lengthening and Shortening. Journal of Neurophysiology, 2009, 101, 1550-1559.	0.9	59
23	Error Processing in Pointing at Randomly Feedback-Induced Double-Step Stimuli. Journal of Motor Behavior, 1993, 25, 299-308.	0.5	58
24	Orienting Gaze Shifts During Muscimol Inactivation of Caudal Fastigial Nucleus in the Cat. I. Gaze Dysmetria. Journal of Neurophysiology, 1998, 79, 1942-1958.	0.9	54
25	Separate Neural Substrates in the Human Cerebellum for Sensory-motor Adaptation of Reactive and of Scanning Voluntary Saccades. Cerebellum, 2008, 7, 595-601.	1.4	54
26	Long-lasting modifications of saccadic eye movements following adaptation induced in the double-step target paradigm. Learning and Memory, 2005, 12, 433-443.	0.5	53
27	Eye Position Specificity of Saccadic Adaptation. , 2004, 45, 123.		51
28	Direct evidence for the contribution of the superior colliculus in the control of visually guided reaching movements in the cat. Journal of Physiology, 2004, 556, 675-681.	1.3	49
29	Subthalamic stimulation improves orienting gaze movements in Parkinsonâ€™s disease. Clinical Neurophysiology, 2008, 119, 1857-1863.	0.7	46
30	Functional activation of the cerebral cortex related to sensorimotor adaptation of reactive and voluntary saccades. NeuroImage, 2012, 61, 1100-1112.	2.1	45
31	Transcranial magnetic stimulation and motor plasticity in human lateral cerebellum: Dual effect on saccadic adaptation. Human Brain Mapping, 2012, 33, 1512-1525.	1.9	44
32	On-line modification of saccadic eye movements by retinal signals. NeuroReport, 2003, 14, 875-878.	0.6	43
33	Adaptation of reactive and voluntary saccades: different patterns of adaptation revealed in the antisaccade task. Journal of Physiology, 2009, 587, 127-138.	1.3	42
34	Altered visuo-motor behavior during inactivation of the caudal fastigial nucleus in the cat. Experimental Brain Research, 2000, 132, 457-463.	0.7	40
35	Impaired saccadic adaptation in DYT11 dystonia. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 1103-1106.	0.9	40
36	Effects of short-term adaptation of saccadic gaze amplitude on hand-pointing movements. Experimental Brain Research, 1999, 124, 351-362.	0.7	35

#	Article	IF	Citations
37	Cerebellar contribution to the spatial encoding of orienting gaze shifts in the head-free cat. Journal of Neurophysiology, 1994, 72, 2547-2550.	0.9	32
38	Orienting Gaze Shifts During Muscimol Inactivation of Caudal Fastigial Nucleus in the Cat. II. Dynamics and Eye-Head Coupling. Journal of Neurophysiology, 1998, 79, 1959-1976.	0.9	32
39	Saccadic lateropulsion and upbeat nystagmus: Disorders of caudal medulla. Annals of Neurology, 2002, 52, 658-662.	2.8	32
40	Early head movements elicited by visual stimuli or collicular electrical stimulation in the cat. Vision Research, 2001, 41, 3283-3294.	0.7	31
41	A Role for the Parietal Cortex in Sensorimotor Adaptation of Saccades. Cerebral Cortex, 2014, 24, 304-314.	1.6	30
42	Control of saccadic eye movements and combined eye/head gaze shifts by the medio-posterior cerebellum. Progress in Brain Research, 2003, 142, 69-89.	0.9	29
43	Persistent ocular motor manifestations and related visual consequences in multiple sclerosis. Annals of the New York Academy of Sciences, 2011, 1233, 327-334.	1.8	28
44	Changes in initiation of orienting gaze shifts after muscimol inactivation of the caudal fastigial nucleus in the cat. Journal of Physiology, 1997, 503, 657-671.	1.3	25
45	Effects of structural and functional cerebellar lesions on sensorimotor adaptation of saccades. Experimental Brain Research, 2013, 231, 1-11.	0.7	25
46	Gaze shifts evoked by electrical stimulation of the superior colliculus in the head-unrestrained cat. I. Effect of the locus and of the parameters of stimulation. European Journal of Neuroscience, 2001, 14, 1331-1344.	1.2	22
47	Ocular motor syndromes of the brainstem and cerebellum. Current Opinion in Neurology, 2008, 21, 22-28.	1.8	21
48	Saccadic lateropulsion in Wallenberg syndrome: a window to access cerebellar control of saccades?. Experimental Brain Research, 2006, 174, 555-565.	0.7	20
49	Contraversive eye deviation during stimulation of the subthalamic region. Movement Disorders, 2007, 22, 1810-1813.	2.2	20
50	Sensory Processing of Motor Inaccuracy Depends on Previously Performed Movement and on Subsequent Motor Corrections: A Study of the Saccadic System. PLoS ONE, 2011, 6, e17329.	1.1	19
51	Saccades and Eyeâ€“Head Coordination in Ataxia with Oculomotor Apraxia Type 2. Cerebellum, 2013, 12, 557-567.	1.4	19
52	Compensation for Gaze Perturbation During Inactivation of the Caudal Fastigial Nucleus in the Head-Unrestrained Cat. Journal of Neurophysiology, 1998, 80, 1552-1557.	0.9	18
53	Transfer of adaptation from visually guided saccades to averaging saccades elicited by double visual targets. European Journal of Neuroscience, 2004, 20, 827-836.	1.2	18
54	On the short-term adaptation of eye saccades and its transfer to head movements. Experimental Brain Research, 1996, 111, 477-82.	0.7	15

#	Article	IF	Citations
55	Gaze shifts evoked by electrical stimulation of the superior colliculus in the head-unrestrained cat. II. Effect of muscimol inactivation of the caudal fastigial nucleus. European Journal of Neuroscience, 2001, 14, 1345-1359.	1.2	15
56	Spatial transfer of adaptation of scanning voluntary saccades in humans. NeuroReport, 2008, 19, 37-41.	0.6	13
57	A non-contact system for 2-dimensional trajectory recording. Journal of Neuroscience Methods, 1992, 43, 77-82.	1.3	12
58	Visuo-motor deficits induced by fastigial nucleus inactivation. Cerebellum, 2003, 2, 71-76.	1.4	12
59	Kinematics and eye-head coordination of gaze shifts evoked from different sites in the superior colliculus of the cat. Journal of Physiology, 2006, 577, 779-794.	1.3	12
60	Retention of Saccadic Adaptation in Humans. Annals of the New York Academy of Sciences, 2005, 1039, 558-562.	1.8	11
61	Brain Processing of Visual Information during Fast Eye Movements Maintains Motor Performance. PLoS ONE, 2013, 8, e54641.	1.1	11
62	MRI findings in AOA2: Cerebellar atrophy and abnormal iron detection in dentate nucleus. NeuroImage: Clinical, 2013, 2, 542-548.	1.4	10
63	Peer Presence Effects on Eye Movements and Attentional Performance. Frontiers in Behavioral Neuroscience, 2019, 13, 280.	1.0	10
64	Unusual Monocular Pendular Nystagmus in Multiple Sclerosis. Journal of Neuro-Ophthalmology, 2011, 31, 38-41.	0.4	9
65	The Effects of Short-Lasting Anti-Saccade Training in Homonymous Hemianopia with and without Saccadic Adaptation. Frontiers in Behavioral Neuroscience, 2015, 9, 332.	1.0	9
66	Plastic Modification of Anti-Saccades: Adaptation of Saccadic Eye Movements Aimed at a Virtual Target. Journal of Neuroscience, 2013, 33, 13489-13497.	1.7	8
67	Deployment of spatial attention without moving the eyes is boosted by oculomotor adaptation. Frontiers in Human Neuroscience, 2015, 9, 426.	1.0	8
68	Increasing Attentional Load Boosts Saccadic Adaptation. , 2015, 56, 6304.		8
69	Oculomotor Adaptation Elicited By Intra-Saccadic Visual Stimulation: Time-Course of Efficient Visual Target Perturbation. Frontiers in Human Neuroscience, 2016, 10, 91.	1.0	8
70	Integration of visual information for saccade production. Human Movement Science, 2011, 30, 1009-1021.	0.6	7
71	Inducing oculomotor plasticity to disclose the functional link between voluntary saccades and endogenous attention deployed perifoveally. Scientific Reports, 2019, 9, 17770.	1.6	6
72	Electrical stimulation of the superior colliculus induces non-topographically organized perturbation of reaching movements in cats. Frontiers in Systems Neuroscience, 2015, 9, 109.	1.2	5

#	Article	IF	Citations
73	A cortical substrate for the long-term memory of saccadic eye movements calibration. NeuroImage, 2018, 179, 348-356.	2.1	5
74	The posterior parietal cortex processes visuo-spatial and extra-retinal information for saccadic remapping: A case study. Cortex, 2021, 139, 134-151.	1.1	5
75	Adaptation of Saccadic Eye Movements: Transfer and Specificity. Annals of the New York Academy of Sciences, 2003, 1004, 69-77.	1.8	4
76	Saccadic Adaptation Boosts Ongoing Gamma Activity in a Subsequent Visuoattentional Task. Cerebral Cortex, 2019, 29, 3606-3617.	1.6	4
77	Cerebellar signals drive motor adjustments and visual perceptual changes during forward and backward adaptation of reactive saccades. Cerebral Cortex, 2022, 32, 3896-3916.	1.6	4
78	An Elderly Woman With Difficulty Reading and Abnormal Eye Movements. Journal of Neuro-Ophthalmology, 2013, 33, 296-301.	0.4	3
79	Adaptation of scanning saccades co-occurs in different coordinate systems. Journal of Neurophysiology, 2014, 111, 2505-2515.	0.9	3
80	Adaptation of Saccadic Sequences with and without Remapping. Frontiers in Human Neuroscience, 2016, 10, 359.	1.0	3
81	Reactive saccade adaptation boosts orienting of visuospatial attention. Scientific Reports, 2020, 10, 13430.	1.6	3
82	Visually Guided Saccade Adaptation: Transfer to Averaging Saccades Elicited by Double Visual Stimuli. Annals of the New York Academy of Sciences, 2003, 1004, 377-380.	1.8	2
83	Peer Presence Effect on Numerosity and Phonological Comparisons in 4th Graders: When Working with a SchoolMate Makes Children More Adult-like. Biology, 2021, 10, 902.	1.3	2
84	Visuo-motor deficits induced by fastigial nucleus inactivation. Cerebellum, 2003, 2, 71-76.	1.4	2
85	Adaptation of Saccadic Eye Movements: Transfer and Specificity. Annals of the New York Academy of Sciences, 2003, 1004, 69-77.	1.8	2
86	Learning from cerebellar lesions about the temporal and spatial aspects of saccadic control. Behavioral and Brain Sciences, 1999, 22, 687-688.	0.4	0
87	2074v Alpha1-Beta1 and Alpha6-Beta1-Integrin. , 2008, , 1-1.		0