Otto Lappi

List of Publications by Year
in descending order

43 papers	905 citations	430874 18 h-index	477307 29 g-index
44 all docs	44 docs citations	44 times ranked	717 citing authors

#	Article	IF	Citations
1	Future path and tangent point models in the visual control of locomotion in curve driving. Journal of Vision, 2014, 14, 21-21.	0.3	71
2	Effect of driving experience on anticipatory look-ahead fixations in real curve driving. Accident Analysis and Prevention, 2014, 70, 195-208.	5.7	69
3	Eye movements in the wild: Oculomotor control, gaze behavior & frames of reference. Neuroscience and Biobehavioral Reviews, 2016, 69, 49-68.	6.1	58
4	Look-ahead fixations in curve driving. Ergonomics, 2013, 56, 34-44.	2.1	54
5	A new and general approach to signal denoising and eye movement classification based on segmented linear regression. Scientific Reports, 2017, 7, 17726.	3.3	51
6	Systematic Observation of an Expert Driver's Gaze Strategyâ€"An On-Road Case Study. Frontiers in Psychology, 2017, 8, 620.	2.1	46
7	Visuomotor control, eye movements, and steering: A unified approach for incorporating feedback, feedforward, and internal models.. Psychological Bulletin, 2018, 144, 981-1001.	6.1	45
8	Anticipatory eye movements when approaching a curve on a rural road depend on working memory load. Transportation Research Part F: Traffic Psychology and Behaviour, 2012, 15, 369-377.	3.7	44
9	Pursuit Eye-Movements in Curve Driving Differentiate between Future Path and Tangent Point Models. PLoS ONE, 2013, 8, e68326.	2.5	43
10	Beyond the tangent point: Gaze targets in naturalistic driving. Journal of Vision, 2013, 13, 11-11.	0.3	39
11	Getting Back Into the Loop: The Perceptual-Motor Determinants of Successful Transitions out of Automated Driving. Human Factors, 2019, 61, 1037-1065.	3.5	38
12	Neurocognitive processing of auditorily and visually presented inflected words and pseudowords: Evidence from a morphologically rich language. Brain Research, 2009, 1275, 54-66.	2.2	36
13	The Racerâ€™s Brain â€" How Domain Expertise is Reflected in the Neural Substrates of Driving. Frontiers in Human Neuroscience, 2015, 9, 635.	2.0	28
14	Humans Use Predictive Gaze Strategies to Target Waypoints for Steering. Scientific Reports, 2019, 9, 8344.	3.3	23
15	Combined eye-tracking and luminance measurements while driving on a rural road: Towards determining mesopic adaptation luminance. Lighting Research and Technology, 2014, 46, 676-694.	2.7	21
16	Driver Gaze Behavior Is Different in Normal Curve Driving and when Looking at the Tangent Point. PLoS ONE, 2015, 10, e0135505.	2.5	21
17	Trade-off between jerk and time headway as an indicator of driving style. PLoS ONE, 2017, 12, e0185856.	2.5	19
18	Eye-movements in real curve driving: pursuit-like optokinesis in vehicle frame of reference, stability in an allocentric reference coordinate system. Journal of Eye Movement Research, 2013, 6, .	0.8	19

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19	Eye Tracking in the Wild: the Good, the Bad and the Ugly. Journal of Eye Movement Research, 2015, 8, .	0.8	19
20	Effect of Meditative Movement on Affect and Flow in Qigong Practitioners. Frontiers in Psychology, 2019, 10, 2375.	2.1	18
21	A computational model for driver's cognitive state, visual perception and intermittent attention in a distracted car following task. Royal Society Open Science, 2018, 5, 180194.	2.4	17
22	Task-Difficulty Homeostasis in Car Following Models: Experimental Validation Using Self-Paced Visual Occlusion. PLoS ONE, 2017, 12, e0169704.	2.5	15
23	Gaze doesn't always lead steering. Accident Analysis and Prevention, 2018, 121, 268-278.	5.7	13
24	Humans use Optokinetic Eye Movements to Track Waypoints for Steering. Scientific Reports, 2020, 10, 4175.	3.3	12
25	Looking at the Road When Driving Around Bends: Influence of Vehicle Automation and Speed. Frontiers in Psychology, 2019, 10, 1699.	2.1	11
26	Flow Experiences During Visuomotor Skill Acquisition Reflect Deviation From a Power-Law Learning Curve, but Not Overall Level of Skill. Frontiers in Psychology, 2019, 10, 1126.	2.1	10
27	Dynamic scan paths investigations under manual and highly automated driving. Scientific Reports, 2021, 11, 3776.	3.3	10
28	On computational explanations. Synthĵse, 2016, 193, 3931-3949.	1.1	9
29	The link between flow and performance is moderated by task experience. Computers in Human Behavior, 2021, 124, 106891.	8.5	9
30	Visual anticipation of the future path: Predictive gaze and steering. Journal of Vision, 2021, 21, 25.	0.3	7
31	Gaze Strategies in Driving—An Ecological Approach. Frontiers in Psychology, 2022, 13, 821440.	2.1	7
32	Qualitative Quantitative and Experimental Concept Possession, Criteria for Identifying Conceptual Change in Science Education. Science and Education, 2013, 22, 1347-1359.	2.7	5
33	Inattention and Uncertainty in the Predictive Brain. Frontiers in Neuroergonomics, 2021, 2, .	1.1	4
34	The Racer's Mind—How Core Perceptual-Cognitive Expertise Is Reflected in Deliberate Practice Procedures in Professional Motorsport. Frontiers in Psychology, 2018, 9, 1294.	2.1	3
35	Editorial: High Performance Cognition: Information-Processing in Complex Skills, Expert Performance, and Flow. Frontiers in Psychology, 2020, 11, 579950.	2.1	3
36	Effects of an active visuomotor steering task on covert attention. Journal of Eye Movement Research, 2019, 12, .	0.8	3

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37	EPSA Philosophy of Science: Amsterdam 2009. , 2012, , .		2
38	Computational Templates, Neural Network Dynamics, and Symbolic Logic. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
39	An Information Semantic Account of Scientific Models. , 2012, , 315-327.		1
40	Egocentric Chunking in the Predictive Brain: A Cognitive Basis of Expert Performance in High-Speed Sports. Frontiers in Human Neuroscience, 2022, 16, 822887.	2.0	1
41	From Fly Detectors to Action Control: Representations in Reinforcement Learning. Philosophy of Science, 0, , .	1.0	0
42	Action control, forward models and expected rewards: representations in reinforcement learning. SynthÃˆse, 2021, 199, 14017.	1.1	0
43	Tracking an occluded visual target with sequences of saccades. Journal of Vision, 2022, 22, 9.	0.3	0