# Otto Lappi

## List of Publications by Year in descending order



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|---|---|---|---|
| 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 | Tracking an occluded visual target with sequences of saccades. Journal of Vision, 2022, 22, 9. | 0.3 | 0 |
| 2 | Gaze Strategies in Drivingâ€“An Ecological Approach. Frontiers in Psychology, 2022, 13, 821440. | 2.1 | 7 |
| 3 | 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 |
| 4 | Dynamic scan paths investigations under manual and highly automated driving. Scientific Reports, 2021, 11, 3776. | 3.3 | 10 |
| 5 | Visual anticipation of the future path: Predictive gaze and steering. Journal of Vision, 2021, 21, 25. | 0.3 | 7 |
| 6 | Inattention and Uncertainty in the Predictive Brain. Frontiers in Neuroergonomics, 2021, 2, . | 1.1 | 4 |
| 7 | The link between flow and performance is moderated by task experience. Computers in Human Behavior, 2021, 124, 106891. | 8.5 | 9 |
| 8 | Action control, forward models and expected rewards: representations in reinforcement learning. SynthÃˆse, 2021, 199, 14017. | 1.1 | 0 |
| 9 | Editorial: High Performance Cognition: Information-Processing in Complex Skills, Expert Performance, and Flow. Frontiers in Psychology, 2020, 11, 579950. | 2.1 | 3 |
| 10 | Humans use Optokinetic Eye Movements to Track Waypoints for Steering. Scientific Reports, 2020, 10, 4175. | 3.3 | 12 |
| 11 | 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 |
| 12 | Effect of Meditative Movement on Affect and Flow in Qigong Practitioners. Frontiers in Psychology, 2019, 10, 2375. | 2.1 | 18 |
| 13 | Looking at the Road When Driving Around Bends: Influence of Vehicle Automation and Speed. Frontiers in Psychology, 2019, 10, 1699. | 2.1 | 11 |
| 14 | Humans Use Predictive Gaze Strategies to Target Waypoints for Steering. Scientific Reports, 2019, 9, 8344. | 3.3 | 23 |
| 15 | 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 |
| 16 | Effects of an active visuomotor steering task on covert attention. Journal of Eye Movement Research, 2019, 12, . | 0.8 | 3 |
| 17 | Gaze doesnâ€™t always lead steering. Accident Analysis and Prevention, 2018, 121, 268-278. | 5.7 | 13 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Racer's Mindâ€"How Core Perceptual-Cognitive Expertise Is Reflected in Deliberate Practice Procedures in Professional Motorsport. Frontiers in Psychology, 2018, 9, 1294. | 2.1 | 3 |
| 20 | 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 |
| 21 | 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 |
| 22 | Systematic Observation of an Expert Driver's Gaze Strategyâ€"An On-Road Case Study. Frontiers in Psychology, 2017, 8, 620. | 2.1 | 46 |
| 23 | Trade-off between jerk and time headway as an indicator of driving style. PLoS ONE, 2017, 12, e0185856. | 2.5 | 19 |
| 24 | Task-Difficulty Homeostasis in Car Following Models: Experimental Validation Using Self-Paced Visual Occlusion. PLoS ONE, 2017, 12, e0169704. | 2.5 | 15 |
| 25 | Eye movements in the wild: Oculomotor control, gaze behavior & frames of reference. Neuroscience and Biobehavioral Reviews, 2016, 69, 49-68. | 6.1 | 58 |
| 26 | On computational explanations. SynthÃˆse, 2016, 193, 3931-3949. | 1.1 | 9 |
| 27 | 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 |
| 28 | Driver Gaze Behavior Is Different in Normal Curve Driving and when Looking at the Tangent Point. PLoS ONE, 2015, 10, e0135505. | 2.5 | 21 |
| 29 | Eye Tracking in the Wild: the Good, the Bad and the Ugly. Journal of Eye Movement Research, 2015, 8, . | 0.8 | 19 |
| 30 | 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 |
| 31 | 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 |
| 32 | Effect of driving experience on anticipatory look-ahead fixations in real curve driving. Accident Analysis and Prevention, 2014, 70, 195-208. | 5.7 | 69 |
| 33 | Qualitative Quantitative and Experimental Concept Possession, Criteria for Identifying Conceptual Change in Science Education. Science and Education, 2013, 22, 1347-1359. | 2.7 | 5 |
| 34 | Look-ahead fixations in curve driving. Ergonomics, 2013, 56, 34-44. | 2.1 | 54 |
| 35 | Beyond the tangent point: Gaze targets in naturalistic driving. Journal of Vision, 2013, 13, 11-11. | 0.3 | 39 |
| 36 | Pursuit Eye-Movements in Curve Driving Differentiate between Future Path and Tangent Point Models. PLoS ONE, 2013, 8, e68326. | 2.5 | 43 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | An Information Semantic Account of Scientific Models. , 2012, , 315-327. | | 1 |
| 40 | EPSA Philosophy of Science: Amsterdam 2009. , 2012, , . | | 2 |
| 41 | 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 |
| 42 | Computational Templates, Neural Network Dynamics, and Symbolic Logic. Neural Networks (IJCNN), International Joint Conference on, 2007, , . | 0.0 | 1 |
| 43 | From Fly Detectors to Action Control: Representations in Reinforcement Learning. Philosophy of Science, 0, , . | 1.0 | 0 |