

DIKABLIS list of relevant papers

- Chen, Y., Du, Z., Jiao, F., Wang, S., & Wang, Z. (2019). Research on Visual Loads of Different Vehicle Types in Short Tunnel Entrance Section of Small Radius Highway. *Wuhan Ligong Daxue Xuebao (Jiaotong Kexue Yu Gongcheng Ban)/Journal of Wuhan University of Technology (Transportation Science and Engineering)*, 43(4).
<https://doi.org/10.3963/j.issn.2095-3844.2019.04.026>
- Chen, F., & Yang, Y. (2019). Influence of Tunnel Entrance Environment on Driver's Vision and Physiology in Mountainous Expressway. *IOP Conference Series: Earth and Environmental Science*, 295(4). <https://doi.org/10.1088/1755-1315/295/4/042138>
- Hu, P., & Shi, J. (2018). If the Design of Express Waybill Influences Customer's Parcel-seeking? *IOP Conference Series: Materials Science and Engineering*, 322(5).
<https://doi.org/10.1088/1757-899X/322/5/052051>
- Curzon-Jones, B. T., & Hollands, M. A. (2018). Route previewing results in altered gaze behaviour, increased self-confidence and improved stepping safety in both young and older adults during adaptive locomotion. *Experimental Brain Research*, 236(4), 1077–1089.
<https://doi.org/10.1007/s00221-018-5203-9>
- Stuart, S., Hunt, D., Nell, J., Godfrey, A., Hausdorff, J. M., Rochester, L., & Alcock, L. (2018). Do you see what I see? Mobile eye-tracker contextual analysis and inter-rater reliability. *Medical and Biological Engineering and Computing*, 56(2), 289–296.
<https://doi.org/10.1007/s11517-017-1669-z>
- Körber, M., Baseler, E., & Bengler, K. (2018). Introduction matters: Manipulating trust in automation and reliance in automated driving. *Applied Ergonomics*, 66, 18–31.
<https://doi.org/10.1016/j.apergo.2017.07.006>
- Qin, L., Dong, L. L., Xu, W. H., Zhang, L. D., & Leon, A. S. (2018). Influence of vehicle speed on the characteristics of driver's eye movement at a highway tunnel entrance during day and night conditions: A pilot study. *International Journal of Environmental Research and Public Health*, 15(4). <https://doi.org/10.3390/ijerph15040656>
- Santini, T., Fuhl, W., & Kasneci, E. (2017). CalibMe: Fast and unsupervised eye tracker calibration for gaze-based pervasive human-computer interaction. *Conference on Human Factors in Computing Systems - Proceedings, 2017-May*, 2594–2605.
<https://doi.org/10.1145/3025453.3025950>
- Xu, Q., Guo, T. Y., Shao, F., & Jiang, X. J. (2017). Division of Area of Fixation Interest for Real Vehicle Driving Tests. *Mathematical Problems in Engineering*, 2017.
<https://doi.org/10.1155/2017/3674374>

- Kübler, T. C., Rothe, C., Schiefer, U., Rosenstiel, W., & Kasneci, E. (2017). SubsMatch 2.0: Scanpath comparison and classification based on subsequence frequencies. *Behavior Research Methods*, *49*(3), 1048–1064. <https://doi.org/10.3758/s13428-016-0765-6>
- Lu, Z., Zhang, Y., Cheng, B., Li, S., & Frenkler, F. (2016). A study on the cognitive mechanism of car styling based on style feature. *Qiche Gongcheng/Automotive Engineering*, *38*(3), 280–287. <https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&scp=84964956052&origin=inward>
- Xu, Q., Shao, F., Fang, W. R., & Jiang, K. Bin. (2016). Safety measuring research of urban tunnel portal and exit zone based on microscopic driving behavior. *Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology*, *36*(12), 116–120. <https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&scp=85017381747&origin=inward>
- Matviienko, A., Löcken, A., El Ali, A., Heuten, W., & Boll, S. (2016). NaviLight: Investigating ambient light displays for turn-by-turn navigation in cars. *Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services, MobileHCI 2016*, 283–294. <https://doi.org/10.1145/2935334.2935359>
- Hergeth, S., Lorenz, L., Vilimek, R., & Krems, J. F. (2016). Keep Your Scanners Peeled: Gaze Behavior as a Measure of Automation Trust during Highly Automated Driving. *Human Factors*, *58*(3), 509–519. <https://doi.org/10.1177/0018720815625744>
- Santini, T., Fuhl, W., Kübler, T., & Kasneci, E. (2016). Bayesian identification of fixations, saccades, and smooth pursuits. *Eye Tracking Research and Applications Symposium (ETRA)*, *14*, 163–170. <https://doi.org/10.1145/2857491.2857512>
- Rochester, L., Stuart, S., Galna, B., & Lord, S. (2016). A protocol to examine vision and gait in Parkinson's disease: Impact of cognition and response to visual cues. *F1000Research*, *4*. <https://doi.org/10.12688/f1000research.7320.2>
- Borojeni, S. S., Chuang, L., Heuten, W., & Boll, S. (2016). Assisting drivers with ambient take-over requests in highly automated driving. *AutomotiveUI 2016 - 8th International Conference on Automotive User Interfaces and Interactive Vehicular Applications, Proceedings*, 237–244. <https://doi.org/10.1145/3003715.3005409>
- Stuart, S., Alcock, L., Godfrey, A., Lord, S., Rochester, L., & Galna, B. (2016). Accuracy and re-test reliability of mobile eye-tracking in Parkinson's disease and older adults. *Medical Engineering and Physics*, *38*(3), 308–315. <https://doi.org/10.1016/j.medengphy.2015.12.001>
- Xu, Q., Shao, F., Guo, T., & Gong, L. (2015). The effects of campus bump on drivers' fixation dispersion and speed reduction. *Mathematical Problems in Engineering*, *2015*. <https://doi.org/10.1155/2015/714527>

- Tang, B., Guo, G., Wang, K., Lin, L., Zhou, J., Fan, X., Xun, N., & Guo, X. (2015). User experience evaluation and selection of automobile industry design with eye movement and electroencephalogram. *Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS*, 21(6), 1449–1459. <https://doi.org/10.13196/j.cims.2015.06.006>
- Lu, Z., Li, S., Xu, S., & Frenkler, F. (2015). Comparative research on users' visual pattern recognition oriented to automotive styling features. *Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS*, 21(7), 1711–1718. <https://doi.org/10.13196/j.cims.2015.07.005>
- Fuhl, W., Kübler, T., Sippel, K., Rosenstiel, W., & Kasneci, E. (2015). Excuse: Robust pupil detection in real-world scenarios. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9256, 39–51. https://doi.org/10.1007/978-3-319-23192-1_4
- Kasneci, E., Sippel, K., Aehling, K., Heister, M., Rosenstiel, W., Schiefer, U., & Papageorgiou, E. (2014). Driving with binocular visual field loss? A study on a supervised on-road parcours with simultaneous eye and head tracking. *PLoS ONE*, 9(2). <https://doi.org/10.1371/journal.pone.0087470>
- Werneke, J., & Vollrath, M. (2012). What does the driver look at? the influence of intersection characteristics on attention allocation and driving behavior. *Accident Analysis and Prevention*, 45, 610–619. <https://doi.org/10.1016/j.aap.2011.09.048>
- Breuninger, J., Lange, C., & Bengler, K. (2011). Implementing gaze control for peripheral devices. *PETMEI'11 - Proceedings of the 1st International Workshop on Pervasive Eye Tracking and Mobile Eye-Based Interaction*, 3–7. <https://doi.org/10.1145/2029956.2029960>
- Lange, C. (2005). The development and usage of Dikablis (Digital wireless gaze tracking system). In M. Groner, R. Groner, R. Müri, K. Koga, S. Raess, & P. Sury (Eds.), *Thirteenth European Conference on Eye Movements ECEM13* (p. 50). VISLAB, Department of Psychology.