

Roland Brmond

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

412
citations

11
h-index

18
g-index

39
ext. papers

481
ext. citations

3
avg. IF

4.04
L-index

#	Paper	IF	Citations
37	A tone-mapping operator for road visibility experiments. <i>ACM Transactions on Applied Perception</i> , 2008 , 5, 1-24	1.4	88
36	A model-driven approach to estimate atmospheric visibility with ordinary cameras. <i>Atmospheric Environment</i> , 2011 , 45, 5316-5324	5.3	32
35	The effect of the driving activity on target detection as a function of the visibility level: Implications for road lighting. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2010 , 13, 115-128	4.5	24
34	Gaze behavior when approaching an intersection: Dwell time distribution and comparison with a quantitative prediction. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2015 , 35, 60-74	4.5	21
33	Target visibility level and detection distance on a driving simulator. <i>Lighting Research and Technology</i> , 2013 , 45, 76-89	2	21
32	Enhanced fog detection and free-space segmentation for car navigation. <i>Machine Vision and Applications</i> , 2014 , 25, 667-679	2.8	19
31	Alerting the drivers about road signs with poor visual saliency 2009 ,		19
30	Leftward attentional bias in a simulated driving task. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2013 , 20, 147-153	4.5	17
29	Effects of the viewing context on target detection. Implications for road lighting design. <i>Applied Ergonomics</i> , 2010 , 41, 461-8	4.2	17
28	Measuring the effect of the rainfall on the windshield in terms of visual performance. <i>Accident Analysis and Prevention</i> , 2014 , 63, 83-8	6.1	15
27	Effect of task and eccentricity of the target on detection thresholds in mesopic vision: implications for road lighting. <i>Human Factors</i> , 2008 , 50, 712-21	3.8	14
26	A high dynamic range rendering pipeline for interactive applications. <i>Visual Computer</i> , 2010 , 26, 533-542	2.3	11
25	Discriminating cognitive processes with eye movements in a decision-making driving task.. <i>Journal of Eye Movement Research</i> , 2014 , 7,	1.7	11
24	Saliency Maps of High Dynamic Range Images. <i>Lecture Notes in Computer Science</i> , 2012 , 118-130	0.9	10
23	Photometric measurements for visibility level computations. <i>Lighting Research and Technology</i> , 2011 , 43, 119-128	2	9
22	Estimating Meteorological Visibility Using Cameras: A Probabilistic Model-Driven Approach. <i>Lecture Notes in Computer Science</i> , 2011 , 243-254	0.9	8
21	Design and evaluation of a user-centered interface to model scenarios on driving simulators. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 50, 3-12	8.4	7

20	Vision models for image quality assessment: one is not enough. <i>Journal of Electronic Imaging</i> , 2010 , 19, 043004	0.7	7
19	Visual Performance Models in Road Lighting: A Historical Perspective. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 212-241	3.5	7
18	Quantitative model of the driver's reaction time during daytime fog application to a head up display-based advanced driver assistance system. <i>IET Intelligent Transport Systems</i> , 2015 , 9, 375-381	2.4	6
17	All-Weather Vision for Automotive Safety: Which Spectral Band?. <i>Lecture Notes in Mobility</i> , 2019 , 3-15	0.5	6
16	Visibility and discomfort glare of LED road studs. <i>Lighting Research and Technology</i> , 2015 , 47, 945-963	2	5
15	Drivers' visual attention: A field study at intersections. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020 , 69, 206-221	4.5	5
14	Driving at night with a cataract: Risk homeostasis?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018 , 53, 61-73	4.5	4
13	Towards an Analytical Age-Dependent Model of Contrast Sensitivity Functions for an Ageing Society. <i>Scientific World Journal, The</i> , 2015 , 2015, 625034	2.2	4
12	Saliency maps of high dynamic range images 2009 ,		4
11	High Dynamic Range Displays improve the realism of motion cues in night driving simulators. <i>Displays</i> , 2018 , 52, 30-39	3.4	3
10	Evaluation of tone mapping operators in night-time virtual worlds. <i>Virtual Reality</i> , 2013 , 17, 253-262	6	3
9	A unified CSF-based framework for edge detection and edge visibility 2011 ,		3
8	Discomfort Glare from Several Sources: A Formula for Outdoor Lighting. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 108-124	3.5	3
7	Approche psychologique de l'activité de traversée des piétons. Implications pour la simulation. <i>Recherche - Transports - Securite</i> , 2008 , 28, 265-279		2
6	Drivers with limited perception: model and application to traffic simulation. <i>Recherche - Transports - Securite</i> , 2014 , 2014, 49-63		2
5	Perceptual Hysteresis Thresholding: Towards Driver Visibility Descriptors 2007 ,		1
4	Single Image Atmospheric Veil Removal Using New Priors for Better Genericity. <i>Atmosphere</i> , 2021 , 12, 772	2.7	1
3	Discomfort Glare from a Cyclic Source in Outdoor Lighting Conditions. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 1-16	3.5	1

2 Single Image Atmospheric Veil Removal Using New Priors **2021**, 1

1 The shape of road markings for visibility computations. *Proceedings of the Institution of Civil Engineers: Transport*, **2019**, 1-9 0.5 0