Jean Franois Lalonde

List of Publications by Citations

60 papers	1,686 citations	22 h-index	40 g-index
66 ext. papers	2,262 ext. citations	4.4 avg, IF	5.32 L-index

#	Paper	IF	Citations
60	Natural terrain classification using three-dimensional ladar data for ground robot mobility. *Journal of Field Robotics*, **2006**, 23, 839-861	6.7	283
59	Photo clip art. *ACM Transactions on Graphics*, **2007**, 26, 3	7.6	129
58	Deep outdoor illumination estimation **2017**,		96
57	Learning to predict indoor illumination from a single image. *ACM Transactions on Graphics*, **2017**, 36, 1-14	7.6	84
56	Estimating the Natural Illumination Conditions from a Single Outdoor Image. *International Journal of Computer Vision*, **2012**, 98, 123-145	10.6	67
55	Estimating natural illumination from a single outdoor image **2009**,		65
54	Detecting Ground Shadows in Outdoor Consumer Photographs. *Lecture Notes in Computer Science*, **2010**, 322-335	0.9	63
53	Deep photovoltaic nowcasting. *Solar Energy*, **2018**, 176, 267-276	6.8	58
52	**2007**,		55
51	Learning High Dynamic Range from Outdoor Panoramas **2017**,		54
50	What Do the Sun and the Sky Tell Us About the Camera?. *International Journal of Computer Vision*, **2010**, 88, 24-51	10.6	53
49	Deep 6-DOF Tracking. *IEEE Transactions on Visualization and Computer Graphics*, **2017**, 23, 2410-2418	4	43
48	Photo clip art **2007**,		38
47	**2019**,		38
46	Webcam clip art. *ACM Transactions on Graphics*, **2009**, 28, 1-10	7.6	35
45	A Perceptual Measure for Deep Single Image Camera Calibration **2018**,		35
44	**2019**,		34

43	Real-Time High Resolution 3D Data on the HoloLens **2016**,		28
42	Deep Parametric Indoor Lighting Estimation **2019**,		28
41	Image-based Shaving. *Computer Graphics Forum*, **2008**, 27, 627-635	2.4	26
40	Lighting Estimation in Outdoor Image Collections **2014**,		25
39	Learning Physics-Guided Face Relighting Under Directional Light **2020**,		23
38	Physics-Based Rendering for Improving Robustness to Rain **2019**,		22
37	**2019**,		21
36	Learning to Estimate Indoor Lighting from 3D Objects **2018**,		21
35	From Faces to Outdoor Light Probes. *Computer Graphics Forum*, **2018**, 37, 51-61	2.4	20
34	Potential negative obstacle detection by occlusion labeling **2007**,		18
33	What Does the Sky Tell Us about the Camera?. *Lecture Notes in Computer Science*, **2008**, 354-367	0.9	17
32	A photobiological approach to biophilic design in extreme climates. *Building and Environment*, **2019**, 154, 211-226	6.5	16
31	Domain Adaptation Through Synthesis for Unsupervised Person Re-identification. *Lecture Notes in Computer Science*, **2018**, 193-209	0.9	16
30	Associative Alignment for Few-Shot Image Classification. *Lecture Notes in Computer Science*, **2020**, 18-35	0.9	16
29	Hyperparameter optimization in black-box image processing using differentiable proxies. *ACM Transactions on Graphics*, **2019**, 38, 1-14	7.6	12
28	Data Structures for Efficient Dynamic Processing in 3-D. *International Journal of Robotics Research*, **2007**, 26, 777-796	5.7	12
27	Webcam clip art **2009**,		11
26	Rain Rendering for Evaluating and Improving Robustness to Bad Weather. *International Journal of Computer Vision*, **2021**, 129, 341-360	10.6	11

25	Scale Selection for the Analysis of Point-Sampled Curves **2006**,		10
24	Human-centric lighting performance of shading panels in architecture: A benchmarking study with lab scale physical models under real skies. *Solar Energy*, **2020**, 204, 354-368	6.8	9
23	A Framework for Evaluating 6-DOF Object Trackers. *Lecture Notes in Computer Science*, **2018**, 608-623	0.9	9
22	SCALE SELECTION FOR GEOMETRIC FITTING IN NOISY POINT CLOUDS. *International Journal of Computational Geometry and Applications*, **2010**, 20, 543-575	0.3	8
21	Extrapolating from lens design databases using deep learning. *Optics Express*, **2019**, 27, 28279-28292	3.3	8
20	x-Hour Outdoor Photometric Stereo **2015**,		6
19	**2015**,		6
18	Biophilic, photobiological and energy-efficient design framework of adaptive building façades for Northern Canada. *Indoor and Built Environment*, **2021**, 30, 665-691	1.8	6
17	Deep Learning for Augmented Reality **2018**,		6
16	Deep learning-enabled framework for automatic lens design starting point generation. *Optics Express*, **2021**, 29, 3841-3854	3.3	6
15	Data Structure for Efficient Processing in 3-D		5
14	Biophilic photobiological adaptive envelopes for sub-Arctic buildings: Exploring impacts of window sizes and shading panels color, reflectance, and configuration. *Solar Energy*, **2021**, 220, 802-827	6.8	5
13	Mixture-based Feature Space Learning for Few-shot Image Classification **2021**,		5
12	**2015**,		4
11	The Perception of Lighting Inconsistencies in Composite Outdoor Scenes. *ACM Transactions on Applied Perception*, **2015**, 12, 1-18	1.4	3
10	HDR image noise estimation for denoising tone mapped images **2015**,		3
9	Deep Template-based Object Instance Detection **2021**,		3
8	Introducing a dynamic deep neural network to infer lens design starting points **2019**,		2

LIST OF PUBLICATIONS

7	Single Day Outdoor Photometric Stereo. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 2062-2074	13.3	2
6	Inferring the solution space of microscope objective lenses using deep learning.. *Optics Express*, **2022**, 30, 6531-6545	3.3	1
5	Depth Texture Synthesis for Realistic Architectural Modeling **2016**,		1
4	Window View Access in Architecture: Spatial Visualization and Probability Evaluations Based on Human Vision Fields and Biophilia. *Buildings*, **2021**, 11, 627	3.2	1
3	Imagery datasets for photobiological lighting analysis of architectural models with shading panels. *Data in Brief*, **2022**, 108278	1.2	1
2	Depth texture synthesis for high-resolution reconstruction of large scenes. *Machine Vision and Applications*, **2019**, 30, 795-806	2.8	0
1	Spatial representations of melanopic light in architecture. *Architectural Science Review*, **2020**, 1-12	2.6	