

Jean Francois Lalonde

List of Publications by Year in Descending Order

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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.

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	Inferring the solution space of microscope objective lenses using deep learning.. <i>Optics Express</i> , 2022 , 30, 6531-6545	3.3	1
59	Imagery datasets for photobiological lighting analysis of architectural models with shading panels. <i>Data in Brief</i> , 2022 , 108278	1.2	1
58	Biophilic photobiological adaptive envelopes for sub-Arctic buildings: Exploring impacts of window sizes and shading panels color, reflectance, and configuration. <i>Solar Energy</i> , 2021 , 220, 802-827	6.8	5
57	Single Day Outdoor Photometric Stereo. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 2062-2074	13.3	2
56	Biophilic, photobiological and energy-efficient design framework of adaptive building façades for Northern Canada. <i>Indoor and Built Environment</i> , 2021 , 30, 665-691	1.8	6
55	Rain Rendering for Evaluating and Improving Robustness to Bad Weather. <i>International Journal of Computer Vision</i> , 2021 , 129, 341-360	10.6	11
54	Deep Template-based Object Instance Detection 2021 ,		3
53	Deep learning-enabled framework for automatic lens design starting point generation. <i>Optics Express</i> , 2021 , 29, 3841-3854	3.3	6
52	Mixture-based Feature Space Learning for Few-shot Image Classification 2021 ,		5
51	Window View Access in Architecture: Spatial Visualization and Probability Evaluations Based on Human Vision Fields and Biophilia. <i>Buildings</i> , 2021 , 11, 627	3.2	1
50	Human-centric lighting performance of shading panels in architecture: A benchmarking study with lab scale physical models under real skies. <i>Solar Energy</i> , 2020 , 204, 354-368	6.8	9
49	Spatial representations of melanopic light in architecture. <i>Architectural Science Review</i> , 2020 , 1-12	2.6	
48	Associative Alignment for Few-Shot Image Classification. <i>Lecture Notes in Computer Science</i> , 2020 , 18-350.9	0.9	16
47	Learning Physics-Guided Face Relighting Under Directional Light 2020 ,		23
46	Depth texture synthesis for high-resolution reconstruction of large scenes. <i>Machine Vision and Applications</i> , 2019 , 30, 795-806	2.8	0
45	A photobiological approach to biophilic design in extreme climates. <i>Building and Environment</i> , 2019 , 154, 211-226	6.5	16
44	Hyperparameter optimization in black-box image processing using differentiable proxies. <i>ACM Transactions on Graphics</i> , 2019 , 38, 1-14	7.6	12

43	Introducing a dynamic deep neural network to infer lens design starting points 2019 ,		2
42	Extrapolating from lens design databases using deep learning. <i>Optics Express</i> , 2019 , 27, 28279-28292	3.3	8
41	Deep Parametric Indoor Lighting Estimation 2019 ,		28
40	2019 ,		21
39	Physics-Based Rendering for Improving Robustness to Rain 2019 ,		22
38	2019 ,		38
37	2019 ,		34
36	A Framework for Evaluating 6-DOF Object Trackers. <i>Lecture Notes in Computer Science</i> , 2018 , 608-623	0.9	9
35	Domain Adaptation Through Synthesis for Unsupervised Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2018 , 193-209	0.9	16
34	From Faces to Outdoor Light Probes. <i>Computer Graphics Forum</i> , 2018 , 37, 51-61	2.4	20
33	Deep Learning for Augmented Reality 2018 ,		6
32	A Perceptual Measure for Deep Single Image Camera Calibration 2018 ,		35
31	Learning to Estimate Indoor Lighting from 3D Objects 2018 ,		21
30	Deep photovoltaic nowcasting. <i>Solar Energy</i> , 2018 , 176, 267-276	6.8	58
29	Deep 6-DOF Tracking. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017 , 23, 2410-2418	4	43
28	Learning High Dynamic Range from Outdoor Panoramas 2017 ,		54
27	Learning to predict indoor illumination from a single image. <i>ACM Transactions on Graphics</i> , 2017 , 36, 1-14	7.6	84
26	Deep outdoor illumination estimation 2017 ,		96

25	Real-Time High Resolution 3D Data on the HoloLens 2016 ,		28
24	Depth Texture Synthesis for Realistic Architectural Modeling 2016 ,		1
23	The Perception of Lighting Inconsistencies in Composite Outdoor Scenes. <i>ACM Transactions on Applied Perception</i> , 2015 , 12, 1-18	1.4	3
22	HDR image noise estimation for denoising tone mapped images 2015 ,		3
21	x-Hour Outdoor Photometric Stereo 2015 ,		6
20	2015 ,		6
19	2015 ,		4
18	Lighting Estimation in Outdoor Image Collections 2014 ,		25
17	Estimating the Natural Illumination Conditions from a Single Outdoor Image. <i>International Journal of Computer Vision</i> , 2012 , 98, 123-145	10.6	67
16	SCALE SELECTION FOR GEOMETRIC FITTING IN NOISY POINT CLOUDS. <i>International Journal of Computational Geometry and Applications</i> , 2010 , 20, 543-575	0.3	8
15	What Do the Sun and the Sky Tell Us About the Camera?. <i>International Journal of Computer Vision</i> , 2010 , 88, 24-51	10.6	53
14	Detecting Ground Shadows in Outdoor Consumer Photographs. <i>Lecture Notes in Computer Science</i> , 2010 , 322-335	0.9	63
13	Webcam clip art. <i>ACM Transactions on Graphics</i> , 2009 , 28, 1-10	7.6	35
12	Webcam clip art 2009 ,		11
11	Estimating natural illumination from a single outdoor image 2009 ,		65
10	Image-based Shaving. <i>Computer Graphics Forum</i> , 2008 , 27, 627-635	2.4	26
9	What Does the Sky Tell Us about the Camera?. <i>Lecture Notes in Computer Science</i> , 2008 , 354-367	0.9	17
8	Data Structures for Efficient Dynamic Processing in 3-D. <i>International Journal of Robotics Research</i> , 2007 , 26, 777-796	5.7	12

7	Photo clip art 2007 ,		38
6	Photo clip art. <i>ACM Transactions on Graphics</i> , 2007 , 26, 3	7.6	129
5	2007 ,		55
4	Potential negative obstacle detection by occlusion labeling 2007 ,		18
3	Scale Selection for the Analysis of Point-Sampled Curves 2006 ,		10
2	Natural terrain classification using three-dimensional ladar data for ground robot mobility. <i>Journal of Field Robotics</i> , 2006 , 23, 839-861	6.7	283
1	Data Structure for Efficient Processing in 3-D		5