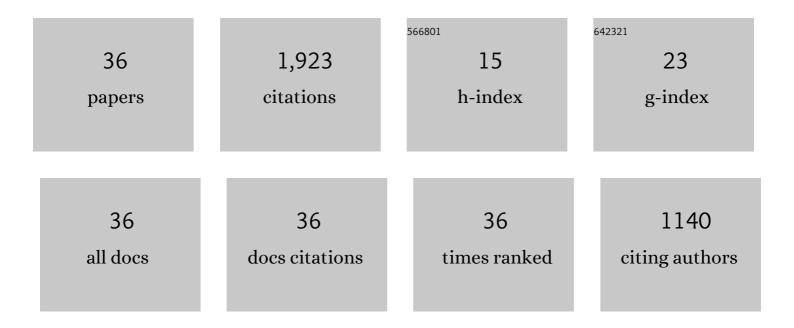
Jean-François Lalonde

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Inferring the solution space of microscope objective lenses using deep learning. Optics Express, 2022, 30, 6531.	1.7	11
2	Imagery datasets for photobiological lighting analysis of architectural models with shading panels. Data in Brief, 2022, 42, 108278.	0.5	3
3	Biophilic, photobiological and energy-efficient design framework of adaptive building façades for Northern Canada. Indoor and Built Environment, 2021, 30, 665-691.	1.5	11
4	Rain Rendering for Evaluating and Improving Robustness to Bad Weather. International Journal of Computer Vision, 2021, 129, 341-360.	10.9	45
5	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.	2.9	11
6	Differentiable Compound Optics and Processing Pipeline Optimization for End-to-end Camera Design. ACM Transactions on Graphics, 2021, 40, 1-19.	4.9	49
7	Deep learning-enabled framework for automatic lens design starting point generation. Optics Express, 2021, 29, 3841.	1.7	25
8	On the use of deep learning for lens design. , 2021, , .		3
9	Window View Access in Architecture: Spatial Visualization and Probability Evaluations Based on Human Vision Fields and Biophilia. Buildings, 2021, 11, 627.	1.4	6
10	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.	2.9	16
11	RGB-D-E: Event Camera Calibration for Fast 6-DOF object Tracking. , 2020, , .		7
12	Depth texture synthesis for high-resolution reconstruction of large scenes. Machine Vision and Applications, 2019, 30, 795-806.	1.7	1
13	A photobiological approach to biophilic design in extreme climates. Building and Environment, 2019, 154, 211-226.	3.0	30
14	All-Weather Deep Outdoor Lighting Estimation. , 2019, , .		55
15	Physics-Based Rendering for Improving Robustness to Rain. , 2019, , .		63
16	Deep Sky Modeling for Single Image Outdoor Lighting Estimation. , 2019, , .		74
17	Introducing a dynamic deep neural network to infer lens design starting points. , 2019, , .		2
18	Extrapolating from lens design databases using deep learning. Optics Express, 2019, 27, 28279.	1.7	26

#	Article	IF	CITATIONS
19	Learning to Estimate Indoor Lighting from 3D Objects. , 2018, , .		42
20	A Framework for Evaluating 6-DOF Object Trackers. Lecture Notes in Computer Science, 2018, , 608-623.	1.0	20
21	Deep 6-DOF Tracking. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2410-2418.	2.9	70
22	Learning High Dynamic Range from Outdoor Panoramas. , 2017, , .		77
23	Learning to predict indoor illumination from a single image. ACM Transactions on Graphics, 2017, 36, 1-14.	4.9	158
24	Deep outdoor illumination estimation. , 2017, , .		142
25	Depth Texture Synthesis for Realistic Architectural Modeling. , 2016, , .		1
26	The Perception of Lighting Inconsistencies in Composite Outdoor Scenes. ACM Transactions on Applied Perception, 2015, 12, 1-18.	1.2	7
27	Lighting Estimation in Outdoor Image Collections. , 2014, , .		41
28	Estimating the Natural Illumination Conditions from a Single Outdoor Image. International Journal of Computer Vision, 2012, 98, 123-145.	10.9	107
29	What Do the Sun and the Sky Tell Us About the Camera?. International Journal of Computer Vision, 2010, 88, 24-51.	10.9	67
30	SCALE SELECTION FOR GEOMETRIC FITTING IN NOISY POINT CLOUDS. International Journal of Computational Geometry and Applications, 2010, 20, 543-575.	0.3	11
31	Webcam clip art. ACM Transactions on Graphics, 2009, 28, 1-10.	4.9	49
32	What Does the Sky Tell Us about the Camera?. Lecture Notes in Computer Science, 2008, , 354-367.	1.0	24
33	Data Structures for Efficient Dynamic Processing in 3-D. International Journal of Robotics Research, 2007, 26, 777-796.	5.8	18
34	Photo clip art. , 2007, , .		68
35	Photo clip art. ACM Transactions on Graphics, 2007, 26, 3.	4.9	207
36	Natural terrain classification using three-dimensional ladar data for ground robot mobility. Journal of Field Robotics, 2006, 23, 839-861.	3.2	376