

Youri Meuret

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

83
papers

749
citations

15
h-index

23
g-index

117
ext. papers

970
ext. citations

2.4
avg, IF

4.1
L-index

#	Paper	IF	Citations
83	Efficient transmissive remote phosphor configuration for a laser-driven high-luminance white light source.. <i>Optics Express</i> , 2022 , 30, 5107-5120	3.3	0
82	Compact illumination system with variable beam direction and beam divergence. <i>Lighting Research and Technology</i> , 2021 , 53, 345-358	2	0
81	Improved and Robust Spectral Reflectance Estimation. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2021 , 17, 359-379	3.5	4
80	Fundamental Spectral Boundaries of Circadian Tunability. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-5	1.8	1
79	Freeform Fresnel lenses with a low number of discontinuities for tailored illumination applications. <i>Optics Express</i> , 2020 , 28, 24489-24500	3.3	4
78	Survey of Models for Acquiring the Optical Properties of Translucent Materials. <i>Computer Graphics Forum</i> , 2020 , 39, 729-755	2.4	10
77	Efficient Design Method of Segmented Lenses for Lighting Applications with Prescribed Intensity and Low Peak Luminance. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2019 , 15, 281-292	3.5	2
76	Improving the opto-thermal performance of transmissive laser-based white light sources through beam shaping. <i>Optics Express</i> , 2019 , 27, A235-A244	3.3	6
75	Tuning color and saving energy with spatially variable laser illumination. <i>Optics Express</i> , 2019 , 27, 27136-27150	3.3	3
74	Luminance spreading freeform lens arrays with accurate intensity control. <i>Optics Express</i> , 2019 , 27, 32994-33004	3.3	4
73	Ray mapping method for off-axis and non-paraxial freeform illumination lens design. <i>Optics Letters</i> , 2019 , 44, 771-774	3	29
72	Holistic opto-thermal simulation framework for high-brightness light sources based on fluorescent conversion. <i>Optics Express</i> , 2019 , 27, A1324-A1337	3.3	1
71	Radiance based method for accurate determination of volume scattering parameters using GPU-accelerated Monte Carlo. <i>Optics Express</i> , 2017 , 25, 22575-22586	3.3	5
70	Selecting the optimal synthesis parameters of InP/CdxZnSe quantum dots for a hybrid remote phosphor white LED for general lighting applications. <i>Optics Express</i> , 2017 , 25, A1009-A1022	3.3	10
69	Flexible design method for freeform lenses with an arbitrary lens contour. <i>Optics Letters</i> , 2017 , 42, 5238-5241	3.3	18
68	Determination of volume scattering parameters that reproduce the luminance characteristics of diffusers. <i>Optics Express</i> , 2016 , 24, 11727-38	3.3	5
67	Enhanced performance of refractive laser beam shapers through additional phase control at focus. <i>Optical Engineering</i> , 2016 , 55, 085106	1.1	

66	An Efficient Optothermal Simulation Framework for Optimization of High-Luminance White Light Sources. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-15	1.8	9
65	Spot phosphor concept applied to a remote phosphor light-emitting diode light engine. <i>Optical Engineering</i> , 2016 , 55, 115103	1.1	1
64	Spot phosphor concept applied to the remote phosphor configuration of a white phosphor-converted LED 2016 ,		1
63	Opto-thermal study of cooling strategies for high-luminance white-light solid-state sources 2016 ,		1
62	Incoupling and outcoupling of light from a luminescent rod using a compound parabolic concentrator. <i>Optical Engineering</i> , 2015 , 54, 055101	1.1	12
61	Prescribed intensity design for extended sources in three-dimensional rotational geometry. <i>Optics Letters</i> , 2015 , 40, 2130-3	3	10
60	Determination of the optimal amount of scattering in a wavelength conversion plate for white LEDs. <i>Optics Express</i> , 2015 , 23, A1629-41	3.3	5
59	Speckle disturbance limit in laser-based cinema projection systems. <i>Scientific Reports</i> , 2015 , 5, 14105	4.9	16
58	Impact of the Geometrical and Optical Parameters on the Performance of a Cylindrical Remote Phosphor LED. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-14	1.8	6
57	Absolute determination of photoluminescence quantum efficiency using an integrating sphere setup. <i>Review of Scientific Instruments</i> , 2014 , 85, 123115	1.7	71
56	Estimation of the effective phase function of bulk diffusing materials with the inverse adding-doubling method. <i>Applied Optics</i> , 2014 , 53, 2117-25	1.7	20
55	Two-channel multiresolution refocusing imaging system using a tunable liquid lens. <i>Applied Optics</i> , 2014 , 53, 4002-10	1.7	3
54	Human speckle perception threshold for still images from a laser projection system. <i>Optics Express</i> , 2014 , 22, 23965-79	3.3	26
53	A hybrid tool for spectral ray tracing simulations of luminescent cascade systems. <i>Optics Express</i> , 2014 , 22, 24582-93	3.3	5
52	Power and photon budget of a remote phosphor LED module. <i>Optics Express</i> , 2014 , 22 Suppl 4, A1079-93	3.3	18
51	Comprehensive numerical design approach for refractive laser beam shapers to generate annular irradiance profiles. <i>Optical Engineering</i> , 2014 , 53, 085103	1.1	4
50	Taking the spectral overlap between excitation and emission spectra of fluorescent materials into account with Monte Carlo simulations 2014 ,		3
49	Proof-of-concept demonstration of a miniaturized three-channel multiresolution imaging system 2014 ,		1

48	Demonstration of a multichannel, multiresolution imaging system. <i>Applied Optics</i> , 2013 , 52, 6081-9	1.7	15
47	Propagation of partially coherent light through a light pipe. <i>Optics Express</i> , 2013 , 21, 17007-19	3.3	4
46	Potential benefits of free-form optics in on-axis imaging applications with high aspect ratio. <i>Optics Express</i> , 2013 , 21, 31072-81	3.3	42
45	Tailored free-form optics with movement to integrate tracking in concentrating photovoltaics. <i>Optics Express</i> , 2013 , 21 Suppl 3, A401-11	3.3	29
44	Efficient disparity vector prediction schemes with modified P frame for 2D camera arrays. <i>Journal of Visual Communication and Image Representation</i> , 2012 , 23, 287-292	2.7	5
43	Standardized speckle measurement method matched to human speckle perception in laser projection systems. <i>Optics Express</i> , 2012 , 20, 8770-83	3.3	56
42	Analytic free-form lens design for imaging applications with high aspect ratio 2012 ,		3
41	Characterization of a low-speckle laser line generator. <i>Applied Optics</i> , 2012 , 51, 4818-26	1.7	
40	Design of a multichannel, multiresolution smart imaging system. <i>Applied Optics</i> , 2012 , 51, 4810-7	1.7	7
39	Analytic design method for optimal imaging: coupling three ray sets using two free-form lens profiles. <i>Optics Express</i> , 2012 , 20, 5576-85	3.3	54
38	Analytic free-form lens design in 3D: coupling three ray sets using two lens surfaces. <i>Optics Express</i> , 2012 , 20, 10839-46	3.3	32
37	Reduced-complexity multiview prediction scheme with content-adaptive disparity vector estimation. <i>Journal of Electronic Imaging</i> , 2012 , 21, 033009-1	0.7	
36	The experimental characterization of the absorption and scatter properties of photopolymers 2012 ,		1
35	Perfect imaging of three object points with only two analytic lens surfaces in two dimensions 2012 ,		4
34	Tracking integration in concentrating photovoltaics using laterally moving optics. <i>Optics Express</i> , 2011 , 19 Suppl 3, A207-18	3.3	31
33	Integrating tracking in concentrating photovoltaics using non-rotational symmetric laterally moving optics 2011 ,		2
32	Color uniformity in compact LED illumination for DMD projectors 2010 ,		3
31	Analysis of two novel concepts for multiview three-dimensional displays using one projector. <i>Optical Engineering</i> , 2010 , 49, 127401	1.1	3

30	An insect eye-based image sensor with very large field of view 2010 ,			8
29	Single projector multiview displays: directional illumination compared to beam steering 2010 ,			3
28	LED projection architectures for stereoscopic and multiview 3D displays 2010 ,			1
27	Down scaling of micro-structured Fresnel lenses for solar concentration: a quantitative investigation 2010 ,			2
26	Demonstration of a multiview projection display using decentered microlens arrays. <i>Optics Express</i> , 2010 , 18, 26092-106	3-3		11
25	Low-speckle laser projection using farfield nonmodal emission of a broad-area vertical-cavity surface-emitting laser 2010 ,			1
24	Benchmarking concentrating photovoltaic systems 2010 ,			1
23	3.3: Efficient PolarizationBased Stereoscopic Projector with Extended Color Gamut: Combining Two Projectors into One. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 9	0.5		
22	Efficient disparity vector coding for multi-view 3D displays 2010 ,			2
21	Stereoscopic projector for polarized viewing with extended color gamut. <i>Displays</i> , 2010 , 31, 73-81	3-4		9
20	Two LCOS full color projector with efficient LED illumination engine. <i>Displays</i> , 2009 , 30, 155-163	3-4		15
19	Low-speckle laser projection with a broad-area vertical-cavity surface-emitting laser in the nonmodal emission regime. <i>Applied Optics</i> , 2009 , 48, 792-8	0.2		12
18	Tolerance Design of an Optomechanical Transmitter Assembly for Automotive Applications. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1178-1180	2.2		3
17	Far-Field Nonmodal Laser Emission for Low-Speckle Laser Projection. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1487-1489	2.2		1
16	Projection display for the generation of two orthogonal polarized images using liquid crystal on silicon panels and light emitting diodes. <i>Applied Optics</i> , 2008 , 47, 1535-42	1.7		9
15	P-250L: Late News Poster: Low-Speckle Laser Projection with a Broad-Area VCSEL in the Incoherent Emission Regime. <i>Digest of Technical Papers SID International Symposium</i> , 2008 , 39, 2098	0.5		
14	LED projector with two liquid crystal on silicon light valves and a fly-eye integrator. <i>Displays</i> , 2008 , 29, 464-470	3-4		6
13	Comparison of the light output of LCOS projection architectures using LEDs. <i>Displays</i> , 2008 , 29, 1-9	3-4		7

12	Two liquid crystal on silicon panel projector with efficient light-emitting diode illumination engine. <i>Optical Engineering</i> , 2007 , 46, 124002	1.1	6
11	LED based full color stereoscopic projection system 2007 ,		1
10	14.1: Efficient and Compact Illumination in LED Projection Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 947-950	0.5	4
9	Modeling and design of Microinterferometric Tomography 2007 , 653-657		
8	Design of axisymmetrical tailored concentrators for LED light source applications 2006 , 6196, 27		1
7	Efficient illumination in LED-based projection systems using lenslet integrators 2006 , 6196, 48		11
6	Design, modeling, and prototyping of microinterferometric tomography system for optical fiber inspection 2006 ,		1
5	Design, fabrication, and characterization of a low-cost lens-based fibre connector for passive optical networks 2006 , 6185, 334		
4	Increased lumens per etendue by combining pulsed LEDs 2005 ,		5
3	Optical engines for high-performance liquid crystal on silicon projection systems. <i>Optical Engineering</i> , 2003 , 42, 3551	1.1	4
2	Contrast-improving methods for Digital Micromirror Device projectors. <i>Optical Engineering</i> , 2003 , 42, 840	1.1	8
1	Electrical characterization of white SrS/ZnS multilayer thin-film electroluminescent devices. <i>Journal of Applied Physics</i> , 2000 , 88, 2906-2911	2.5	1