

Oliver Cossairt

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

903
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516710

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docs citations

59
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband X-ray ptychography using multi-wavelength algorithm. Journal of Synchrotron Radiation, 2021, 28, 309-317.	2.4	20
2	Intensity interferometry-based 3D imaging. Optics Express, 2021, 29, 4733.	3.4	8
3	Exploiting Wavelength Diversity for High Resolution Time-of-Flight 3D Imaging. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2193-2205.	13.9	4
4	A hybrid image retrieval system for microscopy images. Microscopy and Microanalysis, 2021, 27, 474-476.	0.4	0
5	An Adaptive Video Acquisition Scheme for Object Tracking and Its Performance Optimization. IEEE Sensors Journal, 2021, 21, 17227-17243.	4.7	3
6	Skinscan: Low-Cost 3D-Scanning for Dermatologic Diagnosis and Documentation. , 2021, , .		1
7	A Two-Stage Framework for Compound Figure Separation. , 2021, , .		4
8	A Low-Cost Solution for 3D Reconstruction of Large-Scale Specular Objects. , 2021, , .		1
9	VR Eye-Tracking using Deflectometry. , 2021, , .		2
10	Skinscan: 3D Dermatologic Diagnosis and Documentation with Commodity Devices. , 2021, , .		0
11	Adaptive Image Sampling Using Deep Learning and Its Application on X-Ray Fluorescence Image Reconstruction. IEEE Transactions on Multimedia, 2020, 22, 2564-2578.	7.2	25
12	WISHED: Wavefront imaging sensor with high resolution and depth ranging. , 2020, , .		3
13	Joint Filtering of Intensity Images and Neuromorphic Events for High-Resolution Noise-Robust Imaging. , 2020, , .		52
14	Constructing Self-Labeled Materials Imaging Datasets from Open Access Scientific Journals with EXCLAIM!. Microscopy and Microanalysis, 2020, 26, 3096-3097.	0.4	1
15	Intensity interferometry-based depth ranging. , 2020, , .		1
16	Hand-guided qualitative deflectometry with a mobile device. Optics Express, 2020, 28, 9027.	3.4	16
17	Snapshot multifocal light field microscopy. Optics Express, 2020, 28, 12108.	3.4	17
18	Compressive ghost imaging through scattering media with deep learning. Optics Express, 2020, 28, 17395.	3.4	75

#	ARTICLE	IF	CITATIONS
19	Computational Optical Sensing and Imaging: feature issue introduction. <i>Optics Express</i> , 2020, 28, 18131.	3.4	3
20	Low-budget 3D scanning and material estimation using PyTorch3D. , 2020, , .		0
21	Pigment Unmixing of Hyperspectral Images of Paintings Using Deep Neural Networks. , 2019, , .		9
22	Multi-frame Super-resolution for Time-of-flight Imaging. , 2019, , .		4
23	Event-Driven Video Frame Synthesis. , 2019, , .		23
24	An Adaptive Video Acquisition Scheme for Object Tracking. , 2019, , .		2
25	High Resolution Non-Line-of-Sight Imaging with Superheterodyne Remote Digital Holography. , 2019, , .		12
26	Mega-pixel time-of-flight imager with GHz modulation frequencies. , 2019, , .		2
27	Maximizing the microscope: instrument design and data processing strategies for hyperspectral imaging of cross-sectional cultural heritage samples. , 2019, , .		0
28	Innovative data reduction and visualization strategy for hyperspectral imaging datasets using t-SNE approach. <i>Pure and Applied Chemistry</i> , 2018, 90, 493-506.	1.9	36
29	A Novel OCT Design for Cultural Heritage Applications. <i>Microscopy and Microanalysis</i> , 2018, 24, 2142-2143.	0.4	0
30	Nonlinear Unmixing of Hyperspectral Datasets for the Study of Painted Works of Art. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10910-10914.	13.8	14
31	Nonlinear Unmixing of Hyperspectral Datasets for the Study of Painted Works of Art. <i>Angewandte Chemie</i> , 2018, 130, 11076-11080.	2.0	18
32	SH-ToF: Micro resolution time-of-flight imaging with superheterodyne interferometry. , 2018, , .		11
33	High spatial resolution time-of-flight imaging. , 2018, , .		4
34	Computational multifocal microscopy. <i>Biomedical Optics Express</i> , 2018, 9, 6477.	2.9	14
35	Design and simulation of a snapshot multi-focal interferometric microscope. <i>Optics Express</i> , 2018, 26, 27381.	3.4	5
36	SAVI: Synthetic apertures for long-range, subdiffraction-limited visible imaging using Fourier ptychography. <i>Science Advances</i> , 2017, 3, e1602564.	10.3	77

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37	High-speed holographic imaging using compressed sensing and phase retrieval. , 2017, , .		0
38	Spatial-Spectral Representation for X-Ray Fluorescence Image Super-Resolution. IEEE Transactions on Computational Imaging, 2017, 3, 432-444.	4.4	9
39	Fluorescence lifetime estimation using a dynamic vision sensor. , 2017, , .		0
40	Rapid alignment of nanotomography data using joint iterative reconstruction and reprojection. Scientific Reports, 2017, 7, 11818.	3.3	75
41	Shape-from-Shifting: Uncalibrated Photometric Stereo with a Mobile Device. , 2017, , .		3
42	High-depth-resolution range imaging with multiple-wavelength superheterodyne interferometry using 1550-nm lasers. Applied Optics, 2017, 56, H51.	1.8	11
43	Subsampled phase retrieval for temporal resolution enhancement in lensless on-chip holographic video. Biomedical Optics Express, 2017, 8, 1981.	2.9	18
44	Compressive holographic video. Optics Express, 2017, 25, 250.	3.4	32
45	CS-ToF: High-resolution compressive time-of-flight imaging. Optics Express, 2017, 25, 31096.	3.4	40
46	Dictionary-based phase retrieval for space-time super resolution using lens-free on-chip holographic video. , 2017, , .		4
47	Toward Long-Distance Subdiffraction Imaging Using Coherent Camera Arrays. IEEE Transactions on Computational Imaging, 2016, 2, 251-265.	4.4	70
48	Computational Imaging for Cultural Heritage: Recent developments in spectral imaging, 3-D surface measurement, image relighting, and X-ray mapping. IEEE Signal Processing Magazine, 2016, 33, 130-138.	5.6	18
49	X-Ray fluorescence image super-resolution using dictionary learning. , 2016, , .		4
50	A Streamlined Photometric Stereo Framework for Cultural Heritage. Lecture Notes in Computer Science, 2016, , 738-752.	1.3	6
51	Automatic pigment identification on roman Egyptian paintings by using sparse modeling of hyperspectral images. , 2016, , .		9
52	High dynamic range coherent imaging using compressed sensing. Optics Express, 2015, 23, 30904.	3.4	19
53	High spatio-temporal resolution video with compressed sensing. Optics Express, 2015, 23, 15992.	3.4	68
54	Near light correction for image relighting and 3D shape recovery. , 2015, , .		11

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55	Surface shape studies of the art of Paul Gauguin. , 2015, , .		3
56	Video compressive sensing with on-chip programmable subsampling. , 2015, , .		7
57	Investigating the use of Egyptian blue in Roman Egyptian portraits and panels from Tebtunis, Egypt. Applied Physics A: Materials Science and Processing, 2015, 121, 813-821.	2.3	24
58	Sampling optimization for on-chip compressive video. , 2015, , .		4