

# Oliver Cossairt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11561410/publications.pdf>

Version: 2024-02-01

58  
papers

903  
citations

516710

16  
h-index

526287

27  
g-index

59  
all docs

59  
docs citations

59  
times ranked

741  
citing authors

#	ARTICLE	IF	CITATIONS
1	SAVI: Synthetic apertures for long-range, subdiffraction-limited visible imaging using Fourier ptychography. <i>Science Advances</i> , 2017, 3, e1602564.	10.3	77
2	Rapid alignment of nanotomography data using joint iterative reconstruction and reprojection. <i>Scientific Reports</i> , 2017, 7, 11818.	3.3	75
3	Compressive ghost imaging through scattering media with deep learning. <i>Optics Express</i> , 2020, 28, 17395.	3.4	75
4	Toward Long-Distance Subdiffraction Imaging Using Coherent Camera Arrays. <i>IEEE Transactions on Computational Imaging</i> , 2016, 2, 251-265.	4.4	70
5	High spatio-temporal resolution video with compressed sensing. <i>Optics Express</i> , 2015, 23, 15992.	3.4	68
6	Joint Filtering of Intensity Images and Neuromorphic Events for High-Resolution Noise-Robust Imaging. , 2020, , .		52
7	CS-ToF: High-resolution compressive time-of-flight imaging. <i>Optics Express</i> , 2017, 25, 31096.	3.4	40
8	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
9	Compressive holographic video. <i>Optics Express</i> , 2017, 25, 250.	3.4	32
10	Adaptive Image Sampling Using Deep Learning and Its Application on X-Ray Fluorescence Image Reconstruction. <i>IEEE Transactions on Multimedia</i> , 2020, 22, 2564-2578.	7.2	25
11	Investigating the use of Egyptian blue in Roman Egyptian portraits and panels from Tebtunis, Egypt. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 813-821.	2.3	24
12	Event-Driven Video Frame Synthesis. , 2019, , .		23
13	Broadband X-ray ptychography using multi-wavelength algorithm. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 309-317.	2.4	20
14	High dynamic range coherent imaging using compressed sensing. <i>Optics Express</i> , 2015, 23, 30904.	3.4	19
15	Computational Imaging for Cultural Heritage: Recent developments in spectral imaging, 3-D surface measurement, image relighting, and X-ray mapping. <i>IEEE Signal Processing Magazine</i> , 2016, 33, 130-138.	5.6	18
16	Subsampled phase retrieval for temporal resolution enhancement in lensless on-chip holographic video. <i>Biomedical Optics Express</i> , 2017, 8, 1981.	2.9	18
17	Nonlinear Unmixing of Hyperspectral Datasets for the Study of Painted Works of Art. <i>Angewandte Chemie</i> , 2018, 130, 11076-11080.	2.0	18
18	Snapshot multifocal light field microscopy. <i>Optics Express</i> , 2020, 28, 12108.	3.4	17

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19	Hand-guided qualitative deflectometry with a mobile device. Optics Express, 2020, 28, 9027.	3.4	16
20	Nonlinear Unmixing of Hyperspectral Datasets for the Study of Painted Works of Art. Angewandte Chemie - International Edition, 2018, 57, 10910-10914.	13.8	14
21	Computational multifocal microscopy. Biomedical Optics Express, 2018, 9, 6477.	2.9	14
22	High Resolution Non-Line-of-Sight Imaging with Superheterodyne Remote Digital Holography. , 2019, , .		12
23	Near light correction for image relighting and 3D shape recovery. , 2015, , .		11
24	High-depth-resolution range imaging with multiple-wavelength superheterodyne interferometry using 1550-nm lasers. Applied Optics, 2017, 56, H51.	1.8	11
25	SH-ToF: Micro resolution time-of-flight imaging with superheterodyne interferometry. , 2018, , .		11
26	Automatic pigment identification on roman Egyptian paintings by using sparse modeling of hyperspectral images. , 2016, , .		9
27	Spatial-Spectral Representation for X-Ray Fluorescence Image Super-Resolution. IEEE Transactions on Computational Imaging, 2017, 3, 432-444.	4.4	9
28	Pigment Unmixing of Hyperspectral Images of Paintings Using Deep Neural Networks. , 2019, , .		9
29	Intensity interferometry-based 3D imaging. Optics Express, 2021, 29, 4733.	3.4	8
30	Video compressive sensing with on-chip programmable subsampling. , 2015, , .		7
31	A Streamlined Photometric Stereo Framework for Cultural Heritage. Lecture Notes in Computer Science, 2016, , 738-752.	1.3	6
32	Design and simulation of a snapshot multi-focal interferometric microscope. Optics Express, 2018, 26, 27381.	3.4	5
33	Sampling optimization for on-chip compressive video. , 2015, , .		4
34	X-Ray fluorescence image super-resolution using dictionary learning. , 2016, , .		4
35	Multi-frame Super-resolution for Time-of-flight Imaging. , 2019, , .		4
36	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

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37	A Two-Stage Framework for Compound Figure Separation. , 2021, , .		4
38	High spatial resolution time-of-flight imaging. , 2018, , .		4
39	Dictionary-based phase retrieval for space-time super resolution using lens-free on-chip holographic video. , 2017, , .		4
40	Surface shape studies of the art of Paul Gauguin. , 2015, , .		3
41	Shape-from-Shifting: Uncalibrated Photometric Stereo with a Mobile Device. , 2017, , .		3
42	WISHED: Wavefront imaging sensor with high resolution and depth ranging. , 2020, , .		3
43	An Adaptive Video Acquisition Scheme for Object Tracking and Its Performance Optimization. IEEE Sensors Journal, 2021, 21, 17227-17243.	4.7	3
44	Computational Optical Sensing and Imaging: feature issue introduction. Optics Express, 2020, 28, 18131.	3.4	3
45	An Adaptive Video Acquisition Scheme for Object Tracking. , 2019, , .		2
46	Mega-pixel time-of-flight imager with GHz modulation frequencies. , 2019, , .		2
47	VR Eye-Tracking using Deflectometry. , 2021, , .		2
48	Constructing Self-Labeled Materials Imaging Datasets from Open Access Scientific Journals with EXSCLAIM!. Microscopy and Microanalysis, 2020, 26, 3096-3097.	0.4	1
49	Skinscan: Low-Cost 3D-Scanning for Dermatologic Diagnosis and Documentation. , 2021, , .		1
50	Intensity interferometry-based depth ranging. , 2020, , .		1
51	A Low-Cost Solution for 3D Reconstruction of Large-Scale Specular Objects. , 2021, , .		1
52	High-speed holographic imaging using compressed sensing and phase retrieval. , 2017, , .		0
53	Fluorescence lifetime estimation using a dynamic vision sensor. , 2017, , .		0
54	A Novel OCT Design for Cultural Heritage Applications. Microscopy and Microanalysis, 2018, 24, 2142-2143.	0.4	0

#	ARTICLE	IF	CITATIONS
55	A hybrid image retrieval system for microscopy images. <i>Microscopy and Microanalysis</i> , 2021, 27, 474-476.	0.4	0
56	Maximizing the microscope: instrument design and data processing strategies for hyperspectral imaging of cross-sectional cultural heritage samples. , 2019, , .		0
57	Low-budget 3D scanning and material estimation using PyTorch3D. , 2020, , .		0
58	Skinscan: 3D Dermatologic Diagnosis and Documentation with Commodity Devices. , 2021, , .		0