

Colas Schretter

List of Publications by Year in descending order

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32
papers

564
citations

840728

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713444

21
g-index

33
all docs

33
docs citations

33
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	Object-based digital hologram segmentation and motion compensation. Optics Express, 2020, 28, 11861.	3.4	9
2	Compressed Ultrasound Signal Reconstruction Using a Low-Rank and Joint-Sparse Representation Model. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1232-1245.	3.0	4
3	Signal processing challenges for digital holographic video display systems. Signal Processing: Image Communication, 2019, 70, 114-130.	3.2	103
4	Wave atoms for digital hologram compression. Applied Optics, 2019, 58, 6193.	1.8	15
5	Exact global motion compensation for holographic video compression. Applied Optics, 2019, 58, G204.	1.8	12
6	Exact Compensation of Rotational Motion for Holographic Video Compression. , 2019, , .		0
7	Ultrasound Imaging From Sparse RF Samples Using System Point Spread Functions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 316-326.	3.0	17
8	Unitary Transforms Using Time-Frequency Warping for Digital Holograms of Deep Scenes. IEEE Transactions on Computational Imaging, 2018, 4, 206-218.	4.4	16
9	Ultrasound Signal Reconstruction from Sparse Samples Using a Low-Rank and Joint-Sparse Model. , 2018, , .		0
10	Global motion compensation for compressing holographic videos. Optics Express, 2018, 26, 25524.	3.4	20
11	Compressing Macroscopic Near-field Digital Holograms With Wave Atoms. , 2018, , .		3
12	Source coding of holographic data: challenges, algorithms and standardization efforts. , 2018, , .		1
13	Bounds and Conditions for Compressive Digital Holography Using Wavelet Sparsifying Bases. IEEE Transactions on Computational Imaging, 2017, 3, 592-604.	4.4	5
14	Studies on the sparsifying operator in compressive digital holography. Optics Express, 2017, 25, 18656.	3.4	15
15	Regularized non-convex image reconstruction in digital holographic microscopy. Optics Express, 2017, 25, 16491.	3.4	15
16	Compressed digital holography: from micro towards macro. , 2016, , .		3
17	Speckle noise reduction for computer generated holograms of objects with diffuse surfaces. Proceedings of SPIE, 2016, , .	0.8	7
18	Subjective quality assessment of numerically reconstructed compressed holograms. Proceedings of SPIE, 2015, , .	0.8	6

#	ARTICLE	IF	CITATIONS
19	Continuous ultrasound speckle tracking with Gaussian mixtures. , 2015, 2015, 129-32.		2
20	Efficient scalable compression of sparsely sampled images. , 2015, , .		0
21	Open access database for experimental validations of holographic compression engines. , 2015, , .		29
22	Reconstruction Resilience to Subsampling in Compressive Fresnel Holography. , 2015, , .		2
23	A direct inversion method for non-uniform quasi-random point sequences. Monte Carlo Methods and Applications, 2013, 19, 1-9.	0.8	10
24	Golden Ratio Sequences for Low-Discrepancy Sampling. Journal of Graphics Tools, 2012, 16, 95-104.	0.3	14
25	Sufficient condition for local invertibility of spatio-temporal 4D B-spline deformations. , 2010, , .		3
26	Event-by-Event Image Reconstruction From List-Mode PET Data. IEEE Transactions on Image Processing, 2009, 18, 117-124.	9.8	5
27	Image-based iterative compensation of motion artifacts in computed tomography. Medical Physics, 2009, 36, 5323-5330.	3.0	7
28	Information-Theoretic Feature Selection in Microarray Data Using Variable Complementarity. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 261-274.	10.8	200
29	Correction of some time-dependent deformations in parallel-beam computed tomography. , 2008, , .		2
30	Comparison of Maximum-Likelihood List-Mode Reconstruction Algorithms in PET. , 2006, , .		0
31	OLIGOFAKTORY: a visual tool for interactive oligonucleotide design. Bioinformatics, 2006, 22, 115-116.	4.1	20
32	A fast tube of response ray-tracer. Medical Physics, 2006, 33, 4744-4748.	3.0	15