

# Colas Schretter

## List of Publications by Year in descending order

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32  
papers

564  
citations

840728

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713444

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33  
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33  
docs citations

33  
times ranked

589  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Signal processing challenges for digital holographic video display systems. Signal Processing: Image Communication, 2019, 70, 114-130.	3.2	103
3	Open access database for experimental validations of holographic compression engines. , 2015, , .		29
4	OLIGOFAKTORY: a visual tool for interactive oligonucleotide design. Bioinformatics, 2006, 22, 115-116.	4.1	20
5	Global motion compensation for compressing holographic videos. Optics Express, 2018, 26, 25524.	3.4	20
6	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
7	Unitary Transforms Using Time-Frequency Warping for Digital Holograms of Deep Scenes. IEEE Transactions on Computational Imaging, 2018, 4, 206-218.	4.4	16
8	A fast tube of response ray-tracer. Medical Physics, 2006, 33, 4744-4748.	3.0	15
9	Studies on the sparsifying operator in compressive digital holography. Optics Express, 2017, 25, 18656.	3.4	15
10	Regularized non-convex image reconstruction in digital holographic microscopy. Optics Express, 2017, 25, 16491.	3.4	15
11	Wave atoms for digital hologram compression. Applied Optics, 2019, 58, 6193.	1.8	15
12	Golden Ratio Sequences for Low-Discrepancy Sampling. Journal of Graphics Tools, 2012, 16, 95-104.	0.3	14
13	Exact global motion compensation for holographic video compression. Applied Optics, 2019, 58, G204.	1.8	12
14	A direct inversion method for non-uniform quasi-random point sequences. Monte Carlo Methods and Applications, 2013, 19, 1-9.	0.8	10
15	Object-based digital hologram segmentation and motion compensation. Optics Express, 2020, 28, 11861.	3.4	9
16	Image-based iterative compensation of motion artifacts in computed tomography. Medical Physics, 2009, 36, 5323-5330.	3.0	7
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	Event-by-Event Image Reconstruction From List-Mode PET Data. IEEE Transactions on Image Processing, 2009, 18, 117-124.	9.8	5
20	Bounds and Conditions for Compressive Digital Holography Using Wavelet Sparsifying Bases. IEEE Transactions on Computational Imaging, 2017, 3, 592-604.	4.4	5
21	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
22	Sufficient condition for local invertibility of spatio-temporal 4D B-spline deformations. , 2010, , .		3
23	Compressed digital holography: from micro towards macro. , 2016, , .		3
24	Compressing Macroscopic Near-field Digital Holograms With Wave Atoms. , 2018, , .		3
25	Correction of some time-dependent deformations in parallel-beam computed tomography. , 2008, , .		2
26	Continuous ultrasound speckle tracking with Gaussian mixtures. , 2015, 2015, 129-32.		2
27	Reconstruction Resilience to Subsampling in Compressive Fresnel Holography. , 2015, , .		2
28	Source coding of holographic data: challenges, algorithms and standardization efforts. , 2018, , .		1
29	Comparison of Maximum-Likelihood List-Mode Reconstruction Algorithms in PET. , 2006, , .		0
30	Efficient scalable compression of sparsely sampled images. , 2015, , .		0
31	Ultrasound Signal Reconstruction from Sparse Samples Using a Low-Rank and Joint-Sparse Model. , 2018, , .		0
32	Exact Compensation of Rotational Motion for Holographic Video Compression. , 2019, , .		0