

# Jakob Sauer JÃ¸rgensen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1971414/publications.pdf>

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18  
papers

539  
citations

759233

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h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

501  
citing authors

#	ARTICLE	IF	CITATIONS
1	AIR Tools II: algebraic iterative reconstruction methods, improved implementation. Numerical Algorithms, 2018, 79, 107-137.	1.9	123
2	Quantifying Admissible Undersampling for Sparsity-Exploiting Iterative Image Reconstruction in X-Ray CT. IEEE Transactions on Medical Imaging, 2013, 32, 460-473.	8.9	117
3	SparseBeads data: benchmarking sparsity-regularized computed tomography. Measurement Science and Technology, 2017, 28, 124005.	2.6	54
4	Joint image reconstruction method with correlative multi-channel prior for x-ray spectral computed tomography. Inverse Problems, 2018, 34, 064001.	2.0	35
5	SIRF: Synergistic Image Reconstruction Framework. Computer Physics Communications, 2020, 249, 107087.	7.5	35
6	Core Imaging Library - Part I: a versatile Python framework for tomographic imaging. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200192.	3.4	29
7	Laminography in the lab: imaging planar objects using a conventional x-ray CT scanner. Measurement Science and Technology, 2019, 30, 035401.	2.6	25
8	New software protocols for enabling laboratory based temporal CT. Review of Scientific Instruments, 2018, 89, 093702.	1.3	22
9	Core Imaging Library - Part II: multichannel reconstruction for dynamic and spectral tomography. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200193.	3.4	22
10	Analyzing Reconstruction Artifacts from Arbitrary Incomplete X-ray CT Data. SIAM Journal on Imaging Sciences, 2018, 11, 2786-2814.	2.2	20
11	Empirical average-case relation between undersampling and sparsity in X-ray CT. Inverse Problems and Imaging, 2015, 9, 431-446.	1.1	15
12	Automated angular and translational tomographic alignment and application to phase-contrast imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1830.	1.5	13
13	Crystalline phase discriminating neutron tomography using advanced reconstruction methods. Journal Physics D: Applied Physics, 2021, 54, 325502.	2.8	10
14	Enhanced hyperspectral tomography for bioimaging by spatiospectral reconstruction. Scientific Reports, 2021, 11, 20818.	3.3	10
15	Reduction of variable-truncation artifacts from beam occlusion during <i>in situ</i> x-ray tomography. Measurement Science and Technology, 2017, 28, 124004.	2.6	6
16	Synergistic tomographic image reconstruction: part 1. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200189.	3.4	2
17	Stopping Rules for Algebraic Iterative Reconstruction Methods in Computed Tomography. , 2021, , .		1
18	Synergistic tomographic image reconstruction: part 2. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20210111.	3.4	0