

# JÃ¼rgen Friel

## List of Publications by Year in descending order

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13  
papers

459  
citations

1163117

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1199594

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404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and reduction of artifacts in limited angle tomography. <i>Inverse Problems</i> , 2013, 29, 125007.	2.0	132
2	Sparse regularization in limited angle tomography. <i>Applied and Computational Harmonic Analysis</i> , 2013, 34, 117-141.	2.2	114
3	Joint image reconstruction and segmentation using the Potts model. <i>Inverse Problems</i> , 2015, 31, 025003.	2.0	88
4	Artifacts in Incomplete Data Tomography with Applications to Photoacoustic Tomography and Sonar. <i>SIAM Journal on Applied Mathematics</i> , 2015, 75, 703-725.	1.8	54
5	Analyzing Reconstruction Artifacts from Arbitrary Incomplete X-ray CT Data. <i>SIAM Journal on Imaging Sciences</i> , 2018, 11, 2786-2814.	2.2	20
6	X-ray computed tomography using curvelet sparse regularization. <i>Medical Physics</i> , 2015, 42, 1555-1565.	3.0	13
7	On artifacts in limited data spherical Radon transform: curved observation surface. <i>Inverse Problems</i> , 2016, 32, 015012.	2.0	10
8	Limited Data Problems for the Generalized Radon Transform in $\mathbb{R}^n$ . <i>SIAM Journal on Mathematical Analysis</i> , 2016, 48, 2301-2318.	1.9	9
9	A new 3D model for magnetic particle imaging using realistic magnetic field topologies for algebraic reconstruction. <i>Inverse Problems</i> , 2020, 36, 124002.	2.0	8
10	Reduction of variable-truncation artifacts from beam occlusion during <i>in situ</i> x-ray tomography. <i>Measurement Science and Technology</i> , 2017, 28, 124004.	2.6	6
11	Feature Reconstruction from Incomplete Tomographic Data without Detour. <i>Mathematics</i> , 2022, 10, 1318.	2.2	4
12	Short communication: Dimensionality reduction of curvelet sparse regularizations in limited angle tomography. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2011, 11, 847-848.	0.2	1
13	Research biography of a distinguished expert in the field of inverse problems: Professor Eric Todd Quinto. <i>Journal of Inverse and Ill-Posed Problems</i> , 2022, .	1.0	0