GÃ¶tz E Pfander

List of Publications by Year
in descending order

38 papers	722 citations	567281 15 h-index	526287 27 g-index
38 all docs	38 docs citations	38 times ranked	246 citing authors

#	Article	IF	Citations
1	Linear Independence of Gabor Systems in Finite Dimensional Vector Spaces. Journal of Fourier Analysis and Applications, 2005, 11, 715-726.	1.0	68
2	Identification of Matrices Having a Sparse Representation. IEEE Transactions on Signal Processing, 2008, 56, 5376-5388.	5.3	64
3	Sparsity in Time-Frequency Representations. Journal of Fourier Analysis and Applications, 2010, 16, 233-260.	1.0	59
4	Identification of Operators with Bandlimited Symbols. SIAM Journal on Mathematical Analysis, 2005, 37, 867-888.	1.9	55
5	Measurement of Time-Variant Linear Channels. IEEE Transactions on Information Theory, 2006, 52, 4808-4820.	2.4	55
6	Uncertainty in timeâ€“frequency representations on finite Abelian groups and applications. Applied and Computational Harmonic Analysis, 2008, 25, 209-225.	2.2	38
7	The restricted isometry property for timeâ€“frequency structured random matrices. Probability Theory and Related Fields, 2013, 156, 707-737.	1.8	32
8	Sampling of Operators. Journal of Fourier Analysis and Applications, 2013, 19, 612-650.	1.0	30
9	Note on B-splines, wavelet scaling functions, and gabor frames. IEEE Transactions on Information Theory, 2003, 49, 3318-3320.	2.4	26
10	Gabor Frames in Finite Dimensions. Applied and Numerical Harmonic Analysis, 2013, , 193-239.	0.3	26
11	Frame expansions for Gabor multipliers. Applied and Computational Harmonic Analysis, 2006, 20, 26-40.	2.2	24
12	Sampling and Reconstruction of Operators. IEEE Transactions on Information Theory, 2016, 62, 435-458.	2.4	19
13	Periodic Wavelet Transforms and Periodicity Detection. SIAM Journal on Applied Mathematics, 2002, 62, 1329-1368.	1.8	18
14	Robust Phase Retrieval Algorithm for Time-Frequency Structured Measurements. SIAM Journal on Imaging Sciences, 2019, 12, 736-761.	2.2	18
15	Operator Identification and Feichtingerâ€™s Algebra. Sampling Theory in Signal and Information Processing, 2006, 5, 183-200.	0.2	18
16	Measurement of time-varying multiple-input multiple-output channels. Applied and Computational Harmonic Analysis, 2008, 24, 393-401.	2.2	17
17	Boundedness of Multilinear Pseudo-differential Operators on Modulation Spaces. Journal of Fourier Analysis and Applications, 2016, 22, 1381-1415.	1.0	16
18	Sampling of Stochastic Operators. IEEE Transactions on Information Theory, 2014, 60, 2359-2372.	2.4	15

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19	A Geometric Construction of Tight Multivariate Gabor Frames with Compactly Supported Smooth Windows. Journal of Fourier Analysis and Applications, 2012, 18, 223-239.	1.0	14
20	Identification of stochastic operators. Applied and Computational Harmonic Analysis, 2014, 36, 256-279.	2.2	11
21	On the invertibility of â€œrectangularâ€•bi-infinite matrices and applications in timeâ€“frequency analysis. Linear Algebra and Its Applications, 2008, 429, 331-345.	0.9	10
22	Estimation of Overspread Scattering Functions. IEEE Transactions on Signal Processing, 2015, 63, 2451-2463.	5.3	10
23	Irregular and multi-channel sampling of operators. Applied and Computational Harmonic Analysis, 2010, 29, 214-231.	2.2	9
24	Timeâ€“frequency shift invariance and the Amalgam Balianâ€“Low theorem. Applied and Computational Harmonic Analysis, 2016, 41, 677-691.	2.2	9
25	A discrete model for the efficient analysis of time-varying narrowband communication channels. Multidimensional Systems and Signal Processing, 2008, 19, 3-40.	2.6	8
26	Remarks on multivariate Gaussian Gabor frames. Monatshefte Fur Mathematik, 2013, 172, 179-187.	0.9	8
27	Reconstruction of the scattering function of overspread radar targets. IET Signal Processing, 2014, 8, 1018-1024.	1.5	8
28	Local Sampling and Approximation of Operators with Bandlimited Kohnâ€“Nirenberg Symbols. Constructive Approximation, 2014, 39, 541-572.	3.0	8
29	Sampling and Reconstruction of Multiple-Input Multiple-Output Channels. IEEE Transactions on Signal Processing, 2019, 67, 961-976.	5.3	7
30	Cornerstones of Sampling of Operator Theory. Applied and Numerical Harmonic Analysis, 2015, , 291-332.	0.3	6
31	Signal transmission through an unidentified channel. , 2019, , .		5
32	Infinite dimensional restricted invertibility. Journal of Functional Analysis, 2012, 263, 3784-3803.	1.4	3
33	On the stability of sparse convolutions. Applied and Computational Harmonic Analysis, 2017, 42, 117-134.	2.2	3
34	Perturbation Stability of Coherent Riesz Systems under Convolution Operators. Applied and Computational Harmonic Analysis, 2002, 12, 286-308.	2.2	2
35	A Time-Frequency Density Criterion for Operator Identification. Sampling Theory in Signal and Information Processing, 2013, 12, 1-19.	0.2	2
36	Identification of channels with single and multiple inputs and outputs under linear constraints. Linear Algebra and Its Applications, 2019, 581, 435-470.	0.9	1

#	Article	IF	Citations
37	Regular operator sampling for parallelograms. , 2015, , .		0
38	Weighted Zak transforms and the dual tiling condition. Journal of Mathematical Analysis and Applications, 2020, 487, 124020.	1.0	0