

GÃ¶tz E Pfander

List of Publications by Year in descending order

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papers

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525886

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all docs

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docs citations

38
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Independence of Gabor Systems in Finite Dimensional Vector Spaces. <i>Journal of Fourier Analysis and Applications</i> , 2005, 11, 715-726.	0.5	68
2	Identification of Matrices Having a Sparse Representation. <i>IEEE Transactions on Signal Processing</i> , 2008, 56, 5376-5388.	3.2	64
3	Sparsity in Time-Frequency Representations. <i>Journal of Fourier Analysis and Applications</i> , 2010, 16, 233-260.	0.5	59
4	Identification of Operators with Bandlimited Symbols. <i>SIAM Journal on Mathematical Analysis</i> , 2005, 37, 867-888.	0.9	55
5	Measurement of Time-Variant Linear Channels. <i>IEEE Transactions on Information Theory</i> , 2006, 52, 4808-4820.	1.5	55
6	Uncertainty in time-frequency representations on finite Abelian groups and applications. <i>Applied and Computational Harmonic Analysis</i> , 2008, 25, 209-225.	1.1	38
7	The restricted isometry property for time-frequency structured random matrices. <i>Probability Theory and Related Fields</i> , 2013, 156, 707-737.	0.9	32
8	Sampling of Operators. <i>Journal of Fourier Analysis and Applications</i> , 2013, 19, 612-650.	0.5	30
9	Note on B-splines, wavelet scaling functions, and gabor frames. <i>IEEE Transactions on Information Theory</i> , 2003, 49, 3318-3320.	1.5	26
10	Gabor Frames in Finite Dimensions. <i>Applied and Numerical Harmonic Analysis</i> , 2013, , 193-239.	0.1	26
11	Frame expansions for Gabor multipliers. <i>Applied and Computational Harmonic Analysis</i> , 2006, 20, 26-40.	1.1	24
12	Sampling and Reconstruction of Operators. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 435-458.	1.5	19
13	Periodic Wavelet Transforms and Periodicity Detection. <i>SIAM Journal on Applied Mathematics</i> , 2002, 62, 1329-1368.	0.8	18
14	Robust Phase Retrieval Algorithm for Time-Frequency Structured Measurements. <i>SIAM Journal on Imaging Sciences</i> , 2019, 12, 736-761.	1.3	18
15	Operator Identification and Feichtinger's Algebra. <i>Sampling Theory in Signal and Information Processing</i> , 2006, 5, 183-200.	0.2	18
16	Measurement of time-varying multiple-input multiple-output channels. <i>Applied and Computational Harmonic Analysis</i> , 2008, 24, 393-401.	1.1	17
17	Boundedness of Multilinear Pseudo-differential Operators on Modulation Spaces. <i>Journal of Fourier Analysis and Applications</i> , 2016, 22, 1381-1415.	0.5	16
18	Sampling of Stochastic Operators. <i>IEEE Transactions on Information Theory</i> , 2014, 60, 2359-2372.	1.5	15

#	ARTICLE	IF	CITATIONS
19	A Geometric Construction of Tight Multivariate Gabor Frames with Compactly Supported Smooth Windows. <i>Journal of Fourier Analysis and Applications</i> , 2012, 18, 223-239.	0.5	14
20	Identification of stochastic operators. <i>Applied and Computational Harmonic Analysis</i> , 2014, 36, 256-279.	1.1	11
21	On the invertibility of ϵ -rectangular ϵ -bi-infinite matrices and applications in time-frequency analysis. <i>Linear Algebra and Its Applications</i> , 2008, 429, 331-345.	0.4	10
22	Estimation of Overspread Scattering Functions. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 2451-2463.	3.2	10
23	Irregular and multi-channel sampling of operators. <i>Applied and Computational Harmonic Analysis</i> , 2010, 29, 214-231.	1.1	9
24	Time-frequency shift invariance and the Amalgam Balian-Low theorem. <i>Applied and Computational Harmonic Analysis</i> , 2016, 41, 677-691.	1.1	9
25	A discrete model for the efficient analysis of time-varying narrowband communication channels. <i>Multidimensional Systems and Signal Processing</i> , 2008, 19, 3-40.	1.7	8
26	Remarks on multivariate Gaussian Gabor frames. <i>Monatshefte Fur Mathematik</i> , 2013, 172, 179-187.	0.5	8
27	Reconstruction of the scattering function of overspread radar targets. <i>IET Signal Processing</i> , 2014, 8, 1018-1024.	0.9	8
28	Local Sampling and Approximation of Operators with Bandlimited Kohn-Nirenberg Symbols. <i>Constructive Approximation</i> , 2014, 39, 541-572.	1.8	8
29	Sampling and Reconstruction of Multiple-Input Multiple-Output Channels. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 961-976.	3.2	7
30	Cornerstones of Sampling of Operator Theory. <i>Applied and Numerical Harmonic Analysis</i> , 2015, , 291-332.	0.1	6
31	Signal transmission through an unidentified channel. , 2019, , .		5
32	Infinite dimensional restricted invertibility. <i>Journal of Functional Analysis</i> , 2012, 263, 3784-3803.	0.7	3
33	On the stability of sparse convolutions. <i>Applied and Computational Harmonic Analysis</i> , 2017, 42, 117-134.	1.1	3
34	Perturbation Stability of Coherent Riesz Systems under Convolution Operators. <i>Applied and Computational Harmonic Analysis</i> , 2002, 12, 286-308.	1.1	2
35	A Time-Frequency Density Criterion for Operator Identification. <i>Sampling Theory in Signal and Information Processing</i> , 2013, 12, 1-19.	0.2	2
36	Identification of channels with single and multiple inputs and outputs under linear constraints. <i>Linear Algebra and Its Applications</i> , 2019, 581, 435-470.	0.4	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.	0.5	0