Jakob Lemvig

List of Publications by Year
in descending order

27 papers	247 citations	9 h-index 1040056	15 g-index 996975
27 all docs	27 docs citations	27 times ranked	153 citing authors

#	Article	IF	Citations
1	Gabor windows supported on `<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e520" altimg="si26.svg"><mml:mrow><mml:mo>[</mml:mo><mml:mo linebreak="goodbreak" linebreakstyle="after">â</mml:mo><mml:mn>1</mml:mn><mml:mo>,</mml:mo><mml:mn>1</mml:mn><mml:mo>]</mml:mo></mml:mo></m` and construction of compactly supported dual windows with optimal smoothness. Journal of Approximation Theory, 2020, 249, 105304.	0.8	0
2	A Remark on Dilation-and-Modulation Frames for $$L^2({pmb {mathbb {R}}_+)}$$. Results in Mathematics, 2020, 75, 1.	0.8	2
3	Criteria for generalized translation-invariant frames. Studia Mathematica, 2020, 251, 31-63.	0.7	2
4	On the smoothness of dual windows for Gabor windows supported on [âˆ'1, 1]. , 2019, , .		1
5	System bandwidth and the existence of generalized shift-invariant frames. Journal of Functional Analysis, 2019, 276, 563-601.	1.4	8
6	On some Hermite series identities and their applications to Gabor analysis. Monatshefte Fur Mathematik, 2017, 182, 899-912.	0.9	5
7	Explicit constructions and properties of generalized shift-invariant systems in L 2 (â„•) $L^{2}(mathbb Tj ETQq1 1 0.784314 rgBT /Ove	1.6	8
8	On Wilson Bases in $L^2(mathbb{R}^d)$. SIAM Journal on Mathematical Analysis, 2017, 49, 3999-4023.	1.9	1
9	On multivariate Wilson bases. , 2017, , .		0
10	Reproducing formulas for generalized translation invariant systems on locally compact abelian groups. Transactions of the American Mathematical Society, 2016, 368, 8447-8480.	0.9	32
11	Co-compact Gabor Systems on Locally Compact Abelian Groups. Journal of Fourier Analysis and Applications, 2016, 22, 36-70.	1.0	24
12	Counterexamples to the B-spline Conjecture for Gabor Frames. Journal of Fourier Analysis and Applications, 2016, 22, 1440-1451.	1.0	9
13	Density and duality theorems for regular Gabor frames. Journal of Functional Analysis, 2016, 270, 229-263.	1.4	28
14	Duality results for co-compact Gabor systems. , 2015, , .		0
15	A characterization of tight and dual generalized translation invariant frames. , 2015, , .		1
16	Prime tight frames. Advances in Computational Mathematics, 2014, 40, 315-334.	1.6	4
17	Sparse matrices in frame theory. Computational Statistics, 2014, 29, 547-568.	1.5	2
18	Sparsity and spectral properties of dual frames. Linear Algebra and Its Applications, 2013, 439, 982-998.	0.9	10

#	Article	IF	Citations
19	Oversampling of wavelet frames for real dilations. Journal of the London Mathematical Society, 2012, 85, 765-788.	1.0	1
20	Optimally Sparse Approximations of 3D Functions by Compactly Supported Shearlet Frames. SIAM Journal on Mathematical Analysis, 2012, 44, 2962-3017.	1.9	45
21	Constructing pairs of dual bandlimited frame wavelets in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/	2.2	3
22	Shearlets and Optimally Sparse Approximations. Applied and Numerical Harmonic Analysis, 2012, , 145-197.	0.3	4
23	Compactly Supported Shearlets. Springer Proceedings in Mathematics, 2012, , 163-186.	0.5	20
24	Affine and quasi-affine frames for rational dilations. Transactions of the American Mathematical Society, 2011, 363, 1887-1887.	0.9	10
25	Constructing pairs of dual bandlimited framelets with desired time localization. Advances in Computational Mathematics, 2009, 30, 231-247.	1.6	12
26	The canonical and alternate duals of a wavelet frame. Applied and Computational Harmonic Analysis, 2007, 23, 263-272.	2.2	13
27	Wavelets for Non-expanding Dilations and the Lattice Counting Estimate. International Mathematics Research Notices, 0, , rnw222.	1.0	2