Ilya A Krishtal

List of Publications by Year
in descending order

		687363	677142
38 papers	**516** citations	**13** h-index	**22** g-index
39 all docs	**39** docs citations	**39** times ranked	**147** citing authors

#	Article	IF	Citations
1	Slanted matrices, Banach frames, and sampling. Journal of Functional Analysis, 2008, 255, 1667-1691.	1.4	60
2	Dynamical sampling: Time–space trade-off. Applied and Computational Harmonic Analysis, 2013, 34, 495-503.	2.2	57
3	Exact Reconstruction of Signals in Evolutionary Systems Via Spatiotemporal Trade-off. Journal of Fourier Analysis and Applications, 2015, 21, 11-31.	1.0	42
4	Parseval frame wavelets with <mmi: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/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.2	30
5	Spectral analysis of a differential operator with an involution. Journal of Evolution Equations, 2017, 17, 669-684.	1.1	30
6	Some simple Haar-type wavelets in higher dimensions. Journal of Geometric Analysis, 2007, 17, 87-96.	1.0	28
7	An almost periodic noncommutative Wiener's Lemma. Journal of Mathematical Analysis and Applications, 2010, 370, 339-349.	1.0	28
8	Invertibility of the Gabor frame operator on the Wiener amalgam space. Journal of Approximation Theory, 2008, 153, 212-224.	0.8	20
9	On stability of sampling-reconstruction models. Advances in Computational Mathematics, 2009, 31, 5-34.	1.6	19
10	Memory estimation of inverse operators. Journal of Functional Analysis, 2014, 267, 2551-2605.	1.4	19
11	Harmonic analysis of causal operators and their spectral properties. Izvestiya Mathematics, 2005, 69, 439-486.	0.6	16
12	Robustness of sampling and reconstruction and Beurling–Landau-type theorems for shift-invariant spaces. Applied and Computational Harmonic Analysis, 2006, 20, 250-260.	2.2	16
13	Spectral analysis of operators with the two-point Bohr spectrum. Journal of Mathematical Analysis and Applications, 2005, 308, 420-439.	1.0	15
14	Multi-window Gabor frames in amalgam spaces. Mathematical Research Letters, 2014, 21, 55-69.	0.5	13
15	Matricial filters and crystallographic composite dilation wavelets. Mathematics of Computation, 2011, 81, 905-922.	2.1	10
16	Linear differential operator with an involution as a generator of an operator group. Operators and Matrices, 2018, , 723-756.	0.3	10
17	Localization of Matrix Factorizations. Foundations of Computational Mathematics, 2015, 15, 931-951.	2.5	9
18	Sampling the Flow of a Bandlimited Function. Journal of Geometric Analysis, 2021, 31, 9241-9275.	1.0	9

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19	Principal shift-invariant spaces with extra invariance nearest to observed data. Collectanea Mathematica, 2012, 63, 393-401.	0.9	8
20	Spectral Analysis of Abstract Parabolic Operators in Homogeneous Function Spaces. Mediterranean Journal of Mathematics, 2016, 13, 2443-2462.	0.8	8
21	Similarity techniques in the spectral analysis of perturbed operator matrices. Journal of Mathematical Analysis and Applications, 2019, 477, 930-960.	1.0	7
22	Phaseless reconstruction from space–time samples. Applied and Computational Harmonic Analysis, 2020, 48, 395-414.	2.2	7
23	Dynamical Sampling with Additive Random Noise. Sampling Theory in Signal and Information Processing, 2018, 17, 153-182.	0.2	7
24	ON THE SPECTRAL ANALYSIS OF A DIFFERENTIAL OPERATOR WITH AN INVOLUTION AND GENERAL BOUNDARY CONDITIONS. Eurasian Mathematical Journal, 2020, 11, 30-39.	0.6	7
25	Wiener's Lemma and Memory Localization. Journal of Fourier Analysis and Applications, 2011, 17, 674-690.	1.0	6
26	On completeness of spectral subspaces of linear relations and ordered pairs of linear operators. Journal of Mathematical Analysis and Applications, 2013, 407, 157-178.	1.0	6
27	Krylov Subspace Methods in Dynamical Sampling. Sampling Theory in Signal and Information Processing, 2016, 15, 9-20.	0.2	6
28	On harmonic analysis of causal operators. Functional Analysis and Its Applications, 2006, 40, 52-55.	0.4	4
29	Phase retrieval of evolving signals from space-time samples. , 2017, , .		3
30	Finite Dimensional Dynamical Sampling: An Overview. Applied and Numerical Harmonic Analysis, 2015, , 231-244.	0.3	3
31	On slanted matrices in frame theory. , 2007, , .		2
32	Dynamical sampling with random noise. , 2017, , .		2
33	Closed operator functional calculus in Banach modules and applications. Journal of Mathematical Analysis and Applications, 2020, 492, 124473.	1.0	2
34	Spectral Properties of Classical Dirac Operators and Operators with Involution in Homogeneous Function Spaces. Differential Equations, 2021, 57, 1273-1278.	0.7	2
35	Spectral Analysis of Abstract Parabolic Operators in Homogeneous Function Spaces, II. Mediterranean Journal of Mathematics, 2017, 14, 1.	0.8	1
36	Spectral Properties of the Dirac Operator on the Real Line. Differential Equations, 2021, 57, 139-147.	0.7	1

#	Article	IF	Citations
37	Dynamical Sampling with a Burst-like Forcing Term. , 2019, , .		0
38	The method of similar operators in the spectral analysis of infinite operator matrices. Examples II. PrikladnaÃ¢ Matematika & Fizika, 2021, 53, 205-212.	0.1	0