

Ullrich J MÃ¶nlich

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	There Exists No Globally Uniformly Convergent Reconstruction for the Paley-Wiener Space \mathcal{PW}_{π}^1 of Bandlimited Functions Sampled at Nyquist Rate. IEEE Transactions on Signal Processing, 2008, 56, 3170-3179.	5.3	22
2	Probabilistic characterisation of baseline noise in STR profiles. Forensic Science International: Genetics, 2015, 19, 107-122.	3.1	22
3	Behavior of the Quantization Operator for Bandlimited, Nonoversampled Signals. IEEE Transactions on Information Theory, 2010, 56, 2433-2440.	2.4	20
4	Sampling of Deterministic Signals and Systems. IEEE Transactions on Signal Processing, 2011, 59, 2101-2111.	5.3	20
5	Non-equidistant sampling for bounded bandlimited signals. Signal Processing, 2010, 90, 2212-2218.	3.7	15
6	Downsampling of Bounded Bandlimited Signals and the Bandlimited Interpolation: Analytic Properties and Computability. IEEE Transactions on Signal Processing, 2019, 67, 6424-6439.	5.3	15
7	Convergence behavior of non-equidistant sampling series. Signal Processing, 2010, 90, 145-156.	3.7	14
8	Approximation of Wide-Sense Stationary Stochastic Processes by Shannon Sampling Series. IEEE Transactions on Information Theory, 2010, 56, 6459-6469.	2.4	12
9	Turing Computability of Fourier Transforms of Bandlimited and Discrete Signals. IEEE Transactions on Signal Processing, 2020, 68, 532-547.	5.3	12
10	Turing Computability of the Fourier Transform of Bandlimited Functions. , 2019, , .		11
11	On the behavior of Shannon's sampling series for bounded signals with applications. Signal Processing, 2008, 88, 492-501.	3.7	9
12	On the Fourier Representation of Computable Continuous Signals. , 2019, , .		9
13	Global and Local Approximation Behavior of Reconstruction Processes for Paley-Wiener Functions. Sampling Theory in Signal and Information Processing, 2009, 8, 23-51.	0.2	9
14	Non-uniform sampling of signal and system representation. , 2008, , .		8
15	Complete characterization of the solvability of PAPR reduction for OFDM by tone reservation. , 2017, , .		8
16	Computability of the Fourier Transform and ZFC. , 2019, , .		8
17	Signal and System Approximation from General Measurements. Applied and Numerical Harmonic Analysis, 2014, , 115-148.	0.3	8
18	Unboundedness of thresholding and quantization for bandlimited signals. Signal Processing, 2012, 92, 2821-2829.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Peak-to-Average Power Control via Tone Reservation in General Orthonormal Transmission Systems. IEEE Transactions on Signal Processing, 2018, 66, 3520-3528.	5.3	7
20	Effective Approximation of Bandlimited Signals and Their Samples. , 2020, , .		7
21	Optimal Sampling Rate and Bandwidth of Bandlimited Signals – an Algorithmic Perspective. , 2020, , .		7
22	Algorithmic Computability of the Signal Bandwidth. IEEE Transactions on Information Theory, 2021, 67, 2450-2471.	2.4	7
23	No-Go theorem for sampling-based signal processing. , 2014, , .		6
24	Distributional Behavior of Convolution Sum System Representations. IEEE Transactions on Signal Processing, 2018, 66, 5056-5065.	5.3	6
25	On stable Shannon type reconstruction processes. Signal Processing, 2008, 88, 1477-1484.	3.7	5
26	On the hilbert transform of bounded bandlimited signals. Problems of Information Transmission, 2012, 48, 217-238.	0.5	5
27	Towards a general theory of reconstruction of bandlimited signals from sine wave crossings. Signal Processing, 2012, 92, 737-751.	3.7	5
28	Banach – Steinhaus theory revisited: Lineability and spaceability. Journal of Approximation Theory, 2017, 213, 50-69.	0.8	5
29	Analytic Properties of Downsampling for Bandlimited Signals. , 2019, , .		5
30	Turing Meets Shannon: Computable Sampling Type Reconstruction With Error Control. IEEE Transactions on Signal Processing, 2020, 68, 6350-6365.	5.3	5
31	Complete Characterization of Stable Bandlimited Systems Under Quantization and Thresholding. IEEE Transactions on Signal Processing, 2009, 57, 4699-4710.	5.3	4
32	Spaceability and strong divergence of the Shannon sampling series and applications. Journal of Approximation Theory, 2017, 222, 157-174.	0.8	4
33	A Two Channel System Approximation for Bandlimited Functions. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	4
34	Tone Reservation and Solvability Concepts for the Papr Problem in General Orthonormal Transmission Systems. , 2018, , .		4
35	Optimal Tone Reservation for CDMA Systems. IEEE Transactions on Signal Processing, 2018, 66, 6216-6227.	5.3	4
36	Optimal Tone Reservation for Peak to Average Power Control of Cdma Systems. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
37	On the Solvability of the Peak Value Problem for Bandlimited Signals With Applications. IEEE Transactions on Signal Processing, 2021, 69, 103-118.	5.3	4
38	A signal model for forensic DNA mixtures. , 2014, , .		3
39	A general approach for convergence analysis of adaptive sampling-based signal processing. , 2015, , .		3
40	Computability of the Peak Value of Bandlimited Signals. , 2020, , .		3
41	System approximation with general measurement functionals. , 2014, , .		2
42	Adaptive signal and system approximation and strong divergence. , 2015, , .		2
43	Signal and system spaces with non-convergent sampling representation. , 2016, , .		2
44	Energy blowup for system approximations and Carleson's theorem. , 2017, , .		2
45	Solvability of the PAPR Problem for OFDM with Reduced Compensation Set. , 2018, , .		2
46	Non-Existence of Convolution Sum System Representations. IEEE Transactions on Signal Processing, 2019, 67, 2649-2664.	5.3	2
47	Strong Divergence of Approximation Processes in Banach Spaces. Sampling Theory in Signal and Information Processing, 2016, 15, 95-117.	0.2	2
48	A two channel approach for system approximation with general measurement functionals. , 2015, , .		1
49	A Banach space property for signal spaces with applications for sampling and system approximation. , 2017, , .		1
50	System Representations for the Paley-Wiener Space \mathcal{PW}_{π}^2 . Journal of Fourier Analysis and Applications, 2018, 24, 285-308.	1.0	1
51	Computable Time Concentration of Bandlimited Signals and Systems. IEEE Transactions on Signal Processing, 2021, , 1-1.	5.3	1
52	On the Behavior of the Threshold Operator for Bandlimited Functions. Journal of Fourier Analysis and Applications, 2013, 19, 1-19.	1.0	0
53	Characterization of the pointwise and the peak value behavior of system approximation under thresholding. , 2013, , .		0
54	The structure of bandlimited BMO-functions and applications. Journal of Functional Analysis, 2013, 264, 2637-2675.	1.4	0

#	ARTICLE	IF	CITATIONS
55	Characterization of the range of the Hilbert transform for bounded bandlimited signals and applications. , 2013, , .		0
56	Spaceability for sets of bandlimited input functions and stable linear time-invariant systems with finite time blowup behavior. Problems of Information Transmission, 2017, 53, 164-182.	0.5	0
57	Tone Reservation for OFDM With Restricted Carrier Set. IEEE Transactions on Information Theory, 2019, 65, 7935-7949.	2.4	0
58	Divergence Behavior of Sequences of Linear Operators with Applications. Journal of Fourier Analysis and Applications, 2019, 25, 427-459.	1.0	0
59	Time-Domain Concentration and Approximation of Computable Bandlimited Signals. , 2021, , .		0