

Felix Voigtlaender

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Approximation Spaces of Deep Neural Networks. <i>Constructive Approximation</i> , 2022, 55, 259-367.	3.0	31
2	Quantitative Approximation Results for Complex-Valued Neural Networks. <i>SIAM Journal on Mathematics of Data Science</i> , 2022, 4, 553-580.	1.8	2
3	A General Version of Price's Theorem. <i>Journal of Theoretical Probability</i> , 2021, 34, 1474.	0.8	0
4	Topological Properties of the Set of Functions Generated by Neural Networks of Fixed Size. <i>Foundations of Computational Mathematics</i> , 2021, 21, 375-444.	2.5	30
5	Negative results for approximation using single layer and multilayer feedforward neural networks. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 494, 124584.	1.0	10
6	On dual molecules and convolution-dominated operators. <i>Journal of Functional Analysis</i> , 2021, 280, 108963.	1.4	6
7	Schur-type Banach modules of integral kernels acting on mixed-norm Lebesgue spaces. <i>Journal of Functional Analysis</i> , 2021, 281, 109197.	1.4	2
8	A quantitative subspace Balian-Low theorem. <i>Applied and Computational Harmonic Analysis</i> , 2021, 55, 368-404.	2.2	3
9	Design and properties of wave packet smoothness spaces. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020, 133, 185-262.	1.6	3
10	Unfavorable structural properties of the set of neural networks with fixed architecture. , 2019, , .		1
11	Approximation in $L_p(\hat{\mu})$ with deep ReLU neural networks. , 2019, , .		2
12	The structure of spaces of neural network functions. , 2019, , .		0
13	Optimal approximation of piecewise smooth functions using deep ReLU neural networks. <i>Neural Networks</i> , 2018, 108, 296-330.	5.9	248
14	Resolution of the Wavefront Set Using General Continuous Wavelet Transforms. <i>Journal of Fourier Analysis and Applications</i> , 2016, 22, 997-1058.	1.0	13
15	Wavelet coorbit spaces viewed as decomposition spaces. <i>Journal of Functional Analysis</i> , 2015, 269, 80-154.	1.4	26
16	Phase Transitions in Rate Distortion Theory and Deep Learning. <i>Foundations of Computational Mathematics</i> , 0, , 1.	2.5	0