

# Thomas KÃ¼hn

## List of Publications by Year in descending order

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53  
papers

828  
citations

471509

17  
h-index

526287

27  
g-index

54  
all docs

54  
docs citations

54  
times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lower Estimate for Entropy Numbers. <i>Journal of Approximation Theory</i> , 2001, 110, 120-124.	0.8	70
2	One-sided compactness results for Aronszajn-Gagliardo functors. <i>Journal of Functional Analysis</i> , 1992, 106, 274-313.	1.4	67
3	On an extreme class of real interpolation spaces. <i>Journal of Functional Analysis</i> , 2009, 256, 2321-2366.	1.4	52
4	ENTROPY NUMBERS OF EMBEDDINGS OF WEIGHTED BESOV SPACES. II. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2006, 49, 331-359.	0.3	50
5	Approximation of Mixed Order Sobolev Functions on the $d$ -Torus: Asymptotics, Preasymptotics, and $d$ -Dependence. <i>Constructive Approximation</i> , 2015, 42, 353-398.	3.0	46
6	Entropy Numbers of Embeddings of Weighted Besov Spaces. <i>Constructive Approximation</i> , 2005, 23, 61-77.	3.0	45
7	Entropy numbers of embeddings of weighted Besov spaces III. Weights of logarithmic type. <i>Mathematische Zeitschrift</i> , 2006, 255, 1-15.	0.9	29
8	Approximation numbers of Sobolev embeddings – Sharp constants and tractability. <i>Journal of Complexity</i> , 2014, 30, 95-116.	1.3	28
9	Counting Via Entropy: New Preasymptotics for the Approximation Numbers of Sobolev Embeddings. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 3625-3647.	2.3	26
10	Optimal approximation of multivariate periodic Sobolev functions in the sup-norm. <i>Journal of Functional Analysis</i> , 2016, 270, 4196-4212.	1.4	26
11	Approximation and entropy numbers in Besov spaces of generalized smoothness. <i>Journal of Approximation Theory</i> , 2009, 160, 56-70.	0.8	25
12	Entropy Numbers of General Diagonal Operators. <i>Revista Matematica Complutense</i> , 2005, 18, 479.	1.2	24
13	Equivalence of $K$ - and $J$ -methods for limiting real interpolation spaces. <i>Journal of Functional Analysis</i> , 2011, 261, 3696-3722.	1.4	23
14	Schatten-von Neumann classes of multilinear forms. <i>Duke Mathematical Journal</i> , 1992, 65, 121.	1.5	20
15	Eigenvalues of integral operators with smooth positive definite kernels. <i>Archiv Der Mathematik</i> , 1987, 49, 525-534.	0.5	19
16	$s$ -Numbers of integral operators with Hölder continuous kernels over metric compacta. <i>Journal of Functional Analysis</i> , 1988, 81, 54-73.	1.4	19
17	Entropy numbers of Sobolev embeddings of radial Besov spaces. <i>Journal of Approximation Theory</i> , 2003, 121, 244-268.	0.8	18
18	Entropy Numbers of Diagonal Operators of Logarithmic Type. <i>Georgian Mathematical Journal</i> , 2001, 8, 307-318.	0.6	15

#	ARTICLE	IF	CITATIONS
19	Entropy numbers in sequence spaces with an application to weighted function spaces. <i>Journal of Approximation Theory</i> , 2008, 153, 40-52.	0.8	15
20	Eigenvalues of integral operators with positive definite kernels satisfying integrated Hölder conditions over metric compacta. <i>Journal of Approximation Theory</i> , 1990, 63, 39-55.	0.8	13
21	Covering numbers of Gaussian reproducing kernel Hilbert spaces. <i>Journal of Complexity</i> , 2011, 27, 489-499.	1.3	13
22	$\hat{\beta}$ -Radonifying operators and entropy ideals. <i>Mathematische Nachrichten</i> , 1982, 107, 53-58.	0.8	12
23	Embedding maps between Hölder spaces over metric compacta and eigenvalues of integral operators. <i>Proceedings of the Koninklijke Nederlandse Akademie Van Wetenschappen Series A, Indagationes Mathematicae</i> , 1985, 88, 47-62.	0.3	12
24	Eigenvalues of integral operators generated by positive definite Hölder continuous kernels on metric compacta. <i>Proceedings of the Koninklijke Nederlandse Akademie Van Wetenschappen Series A, Indagationes Mathematicae</i> , 1987, 90, 51-61.	0.3	12
25	Metric entropy of the integration operator and small ball probabilities for the Brownian sheet. <i>Comptes Rendus Mathematique</i> , 1998, 326, 347-352.	0.5	12
26	COMPACT EMBEDDINGS OF BESOV SPACES IN EXPONENTIAL ORLICZ SPACES. <i>Journal of the London Mathematical Society</i> , 2003, 67, 235-244.	1.0	11
27	Extrapolation results of Lions-Peetre type. <i>Calculus of Variations and Partial Differential Equations</i> , 2014, 49, 847-860.	1.7	11
28	Approximation and Entropy Numbers of Embeddings Between Approximation Spaces. <i>Constructive Approximation</i> , 2018, 47, 453-486.	3.0	10
29	Entropy Numbers of Embeddings of Besov Spaces in Generalized Lipschitz Spaces. <i>Journal of Approximation Theory</i> , 2001, 112, 73-92.	0.8	9
30	Eigenvalues of Weakly Singular Integral Operators. <i>Journal of the London Mathematical Society</i> , 1990, s2-41, 323-335.	1.0	8
31	How anisotropic mixed smoothness affects the decay of singular numbers for Sobolev embeddings. <i>Journal of Complexity</i> , 2021, 63, 101523.	1.3	8
32	Entropy and eigenvalues of certain integral operators. <i>Mathematische Annalen</i> , 1984, 268, 127-136.	1.4	7
33	Multilinear Forms of Hilbert Type and Some Other Distinguished Forms. <i>Integral Equations and Operator Theory</i> , 2006, 56, 57-70.	0.8	6
34	Weyl numbers and eigenvalues of abstract summing operators. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 369, 408-422.	1.0	6
35	Entropy Numbers of Matrix Operators in Besov Sequence Spaces. <i>Mathematische Nachrichten</i> , 1984, 119, 165-174.	0.8	5
36	Products of operator ideals and extensions of Schatten classes. <i>Mathematische Nachrichten</i> , 2010, 283, 891-901.	0.8	5

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37	Extrapolation estimates for entropy numbers. <i>Journal of Functional Analysis</i> , 2012, 263, 4009-4033.	1.4	5
38	On nuclearity of embeddings between Besov spaces. <i>Journal of Approximation Theory</i> , 2018, 225, 209-223.	0.8	5
39	The nuclearity ( $0 < r \leq 1$ ) of GAUSSian covariances. <i>Mathematische Nachrichten</i> , 1980, 95, 165-175.	0.8	4
40	Entropy and eigenvalues of weakly singular integral operators. <i>Integral Equations and Operator Theory</i> , 1988, 11, 64-86.	0.8	4
41	ENTROPY NUMBERS OF DIAGONAL OPERATORS BETWEEN VECTOR-VALUED SEQUENCE SPACES. <i>Journal of the London Mathematical Society</i> , 2001, 64, 739-754.	1.0	4
42	Nuclear Embeddings of Besov Spaces into Zygmund Spaces. <i>Journal of Fourier Analysis and Applications</i> , 2020, 26, 1.	1.0	4
43	On the nuclearity of Gaussian covariances and the composition of nuclear operators. <i>Mathematische Annalen</i> , 1983, 262, 377-381.	1.4	3
44	Local Entropy Moduli and Eigenvalues of Operators in Banach Spaces. <i>Revista Matemática Iberoamericana</i> , 1985, 1, 127-148.	0.9	3
45	Small Deviations for a Family of Smooth Gaussian Processes. <i>Journal of Theoretical Probability</i> , 2013, 26, 153-168.	0.8	3
46	On optimal approximation in periodic Besov spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 474, 1441-1462.	1.0	3
47	On a conjecture of Barry Simon on trace ideals. <i>Duke Mathematical Journal</i> , 1989, 59, 295.	1.5	2
48	Compact embeddings of Branciari-Wainger type. <i>Revista Matemática Iberoamericana</i> , 2006, 22, 305-322.	0.9	2
49	An operator ideal in connection with gaussian measures and applications to nuclearity of integral operators. <i>Mathematische Annalen</i> , 1982, 258, 319-328.	1.4	1
50	On the optimal asymptotic eigenvalue behaviour of weakly singular integral operators. <i>Proceedings of the American Mathematical Society</i> , 1991, 113, 1017-1017.	0.8	1
51	Some Remarks on a Limit Class of Approximation Ideals. <i>North-Holland Mathematics Studies</i> , 1992, 170, 393-403.	0.2	1
52	Eigenvalues of Hille-Tamarkin operators and geometry of Banach function spaces. <i>Studia Mathematica</i> , 2011, 207, 275-296.	0.7	1
53	Approximation in periodic Gevrey spaces. <i>Journal of Complexity</i> , 2022, 73, 101665.	1.3	1