Anatoli Torokhti

List of Publications by Year
in descending order

26 papers	172 citations	1307594 7 h-index	1125743 13 g-index
26 all docs	26 docs citations	26 times ranked	67 citing authors

#	Article	IF	Citations
1	AN OPTIMAL LINEAR FILTER FOR ESTIMATION OF RANDOM FUNCTIONS IN HILBERT SPACE. ANZIAM Journal, 2020, 62, 274-301.	0.2	0
2	Improvement in accuracy for dimensionality reduction and reconstruction of noisy signals. Part I: The case of random signals. Signal Processing, 2019, 154, 338-349.	3.7	3
3	Improvement in accuracy for dimensionality reduction and reconstruction of noisy signals. Part II: The case of signal samples. Signal Processing, 2019, 154, 272-279.	3.7	7
4	Multi-Objective Operator for Optimal Compression and De-compression of Random Signals. , 2018, , .		0
5	Optimal transforms of random vectors: The case of successive optimizations. Signal Processing, 2017, 132, 183-196.	3.7	1
6	Extended karhunen-loÃ¨ve transform. , 2017, , .		1
7	Generalized Brillinger-Like Transforms. IEEE Signal Processing Letters, 2016, 23, 843-847.	3.6	14
8	Estimation of stochastic signals under partially missing information. Signal Processing, 2015, 111, 199-209.	3.7	3
9	Estimation of Large Sets of Stochastic Signals: the Case of Sparse Sampling. Sampling Theory in Signal and Information Processing, 2014, 13, 207-230.	0.2	2
10	Operator Approximation for Processing of Large Random Data Sets. Operator Theory: Advances and Applications, 2014, , 483-508.	0.2	0
11	Filtering of stochastic signal sets: A new piecewise interpolation technique. , 2011, , .		0
12	Towards theory of generic Principal Component Analysis. Journal of Multivariate Analysis, 2009, 100, 661-669.	1.0	24
13	Filtering and compression for infinite sets of stochastic signals. Signal Processing, 2009, 89, 291-304.	3.7	8
14	Generic Weighted Filtering of Stochastic Signals. IEEE Transactions on Signal Processing, 2009, 57, 4675-4685.	5.3	6
15	Towards generic theory of data compression. , 2007, , .		1
16	Information Estimation from Partially Missed Data. , 2007, , .		0
17	Generalized Rank-Constrained Matrix Approximations. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 656-659.	1.4	63
18	Toward Best Approximation of Nonlinear Systems: A Case of Models with Memory. Numerical Functional Analysis and Optimization, 2006, 27, 721-756.	1.4	0

#	Article	IF	Citations
19	Best approximation of the identity mapping: The case of variable finite memory. Journal of Approximation Theory, 2006, 143, 111-123.	0.8	4
20	Optimal Recursive Estimation of Raw Data. Annals of Operations Research, 2005, 133, 285-302.	4.1	2
21	Method of Best Successive Approximations for Nonlinear Operators. Journal of Computational Analysis and Applications, 2003, 5, 299-312.	0.2	6
22	On Nonlinear Operator Approximation with Preassigned Accuracy. Journal of Computational Analysis and Applications, 2003, 5, 273-297.	0.2	7
23	Method of Hybrid Approximations for Modelling of Multidimensional Nonlinear Systems. Multidimensional Systems and Signal Processing, 2003, 14, 397-410.	2.6	1
24	Constructing fixed rank optimal estimators with method of best recurrent approximations. Journal of Multivariate Analysis, 2003, 86, 293-309.	1.0	8
25	Method of recurrent best estimators of second degree for optimal filtering of random signals. Signal Processing, 2003, 83, 1013-1024.	3.7	11
26	An optimal linear filter for estimation of random functions in Hilbert space. ANZIAM Journal, 0, 62, 274-301.	0.0	0