Lev B Klebanov

List of Publications by Year
in descending order

87	1,161	567281 15	414414 32
papers	citations	h-index	g-index

87	87	87	1187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergistic response to oncogenic mutations defines gene class critical to cancer phenotype. Nature, 2008, 453, 1112-1116.	27.8	142
2	The Methods of Distances in the Theory of Probability and Statistics. , 2013, , .		115
3	The effects of normalization on the correlation structure of microarray data. BMC Bioinformatics, 2005, 6, 120.	2.6	89
4	How high is the level of technical noise in microarray data?. Biology Direct, 2007, 2, 9.	4.6	76
5	Correlation Between Gene Expression Levels and Limitations of the Empirical Bayes Methodology for Finding Differentially Expressed Genes. Statistical Applications in Genetics and Molecular Biology, 2005, 4, Article34.	0.6	75
6	Variable selection and pattern recognition with gene expression data generated by the microarray technology. Mathematical Biosciences, 2002, 176, 71-98.	1.9	67
7	Detecting intergene correlation changes in microarray analysis: a new approach to gene selection. BMC Bioinformatics, 2009, 10, 20.	2.6	66
8	A stochastic model of radiation carcinogenesis: latent time distributions and their properties. Mathematical Biosciences, 1993, 113, 51-75.	1.9	57
9	Statistical methods and microarray data. Nature Biotechnology, 2007, 25, 25-26.	17.5	43
10	Multivariate search for differentially expressed gene combinations. BMC Bioinformatics, 2004, 5, 164.	2.6	40
11	Multivariate exploratory tools for microarray data analysis. Biostatistics, 2003, 4, 555-567.	1.5	39
12	A MULTIVARIATE EXTENSION OF THE GENE SET ENRICHMENT ANALYSIS. Journal of Bioinformatics and Computational Biology, 2007, 05, 1139-1153.	0.8	36
13	A New Type of Stochastic Dependence Revealed in Gene Expression Data. Statistical Applications in Genetics and Molecular Biology, 2006, 5, Article7.	0.6	32
14	Utility of correlation measures in analysis of gene expression. NeuroRx, 2006, 3, 384-395.	6.0	32
15	Diverse correlation structures in gene expression data and their utility in improving statistical inference. Annals of Applied Statistics, 2007, 1, .	1.1	29
16	A permutation test motivated by microarray data analysis. Computational Statistics and Data Analysis, 2006, 50, 3619-3628.	1.2	25
17	Integral and asymptotic representations of geo-stable densities. Applied Mathematics Letters, 1996, 9, 37-40.	2.7	17
18	Treating Expression Levels of Different Genes as a Sample in Microarray Data Analysis: Is it Worth a Risk?. Statistical Applications in Genetics and Molecular Biology, 2006, 5, Article9.	0.6	15

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19	Parameters of Spike Trains Observed in a Short Time Window. Neural Computation, 2008, 20, 1325-1343.	2.2	15
20	First-Spike Latency in the Presence of Spontaneous Activity. Neural Computation, 2010, 22, 1675-1697.	2.2	12
21	A characterization of distributions by mean values of statistics and certain probabilistic metrics. Journal of Soviet Mathematics, 1992, 59, 914-920.	0.0	10
22	NORMALITY OF GENE EXPRESSION REVISITED. Journal of Biological Systems, 2007, 15, 39-48.	1.4	10
23	A new approach to testing for sufficient follow-up in cure-rate analysis. Journal of Statistical Planning and Inference, 2007, 137, 3557-3569.	0.6	10
24	Is there an alternative to increasing the sample size in microarray studies?. Bioinformation, 2007, 1, 429-431.	0.5	10
25	Literary writing style recognition via a minimal spanning tree-based approach. Expert Systems With Applications, 2016, 61, 145-153.	7.6	9
26	Pre-limit Theorems and Their Applications. Acta Applicandae Mathematicae, 1999, 58, 159-174.	1.0	8
27	Revisiting adverse effects of cross-hybridization in Affymetrix gene expression data: do they matter for correlation analysis?. Biology Direct, 2007, 2, 28.	4.6	8
28	Characterization of distributions symmetric with respect to a group of transformations and testing of corresponding statistical hypothesis. Statistics and Probability Letters, 2001, 53, 241-247.	0.7	7
29	TESTING DIFFERENTIAL EXPRESSION IN NONOVERLAPPING GENE PAIRS: A NEW PERSPECTIVE FOR THE EMPIRICAL BAYES METHOD. Journal of Bioinformatics and Computational Biology, 2008, 06, 301-316.	0.8	7
30	Estimation of the closeness of distributions in terms of identical moments. Journal of Soviet Mathematics, 1986, 32, 54-60.	0.0	6
31	An estimate of the nearness of the distributions in terms of the nearness of their characteristic functions on a finite interval. Journal of Soviet Mathematics, 1984, 25, 1181-1186.	0.0	5
32	Statistical comparison of the geometry of second-phase particles. Materials Characterization, 2009, 60, 1076-1081.	4.4	5
33	On a Class of Distributions Stable Under Random Summation. Journal of Applied Probability, 2012, 49, 303-318.	0.7	5
34	Randomized multihit models and their identification. Journal of Applied Probability, 1996, 33, 458-471.	0.7	4
35	Trimmed, Bayesian and admissible estimators. Statistics and Probability Letters, 1999, 42, 47-51.	0.7	4
36	Integer valued stable random variables. Statistics and Probability Letters, 2013, 83, 1513-1519.	0.7	4

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37	A characterization of the normal distribution by a property of order statistics. Mathematical Notes, 1973, 13, 71-73.	0.4	3
38	Characterization of elliptic distributions. Journal of Mathematical Sciences, 2005, 127, 1682-1686.	0.4	3
39	Analytical-Numeric Formulas for the Probability Density Function of Multivariate Stable and Geo-Stable Distributions. Journal of Statistical Theory and Practice, 2014, 8, 260-282.	0.5	3
40	Inadmissibility of polynomial estimates of the shift parameter. Mathematical Notes, 1973, 14, 1068-1073.	0.4	2
41	Unbiased estimates and convex loss functions. Journal of Soviet Mathematics, 1978, 9, 870-880.	0.0	2
42	Asymptotic properties of parameter estimators of families of distributions, constructed from a sample of random size. Journal of Mathematical Sciences, 1994, 72, 2903-2914.	0.4	2
43	A new representation for the characteristic function of strictly geo-stable vectors. Journal of Applied Probability, 2000, 37, 1137-1142.	0.7	2
44	A nitty-gritty aspect of correlation and network inference from gene expression data. Biology Direct, 2008, 3, 35.	4.6	2
45	Reconstituting the distribution of the components of a random Vector from distributions of certain statistics. Mathematical Notes, 1973, 13, 531-532.	0.4	1
46	Bayesian estimates, stable with respect to the choice of the loss function. Mathematical Notes, 1978, 23, 175-179.	0.4	1
47	Characterization of normal and gamma distributions by properties of Fisher information amount. Journal of Soviet Mathematics, 1978, 9, 881-886.	0.0	1
48	Stability in the problem of statistical estimation and a choice of the loss function. Journal of Soviet Mathematics, 1981, 17, 2255-2264.	0.0	1
49	Estimating stability in the problem of reconstructing the additive type of a distribution. Journal of Soviet Mathematics, 1981, 16, 1385-1389.	0.0	1
50	Quasi-convolutions and applications to coded images. Journal of Mathematical Sciences, 2000, 99, 1120-1126.	0.4	1
51	Gene Selection with the Î´-Sequence Method. Methods in Molecular Biology, 2013, 972, 57-71.	0.9	1
52	Discrete Stable and Casual Stable Random Variables*. Journal of Mathematical Sciences, 2016, 218, 161-166.	0.4	1
53	Lk (2)-sufficient subspaces for families with shift and scale parameters. Mathematical Notes, 1976, 20, 714-720.	0.4	0
54	Characterization of normal and T distributions by Bayesian estimates' properties. Lithuanian Mathematical Journal, 1977, 16, 75-84.	0.4	0

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55	Asymptotic behavior of polynomial Pitman estimators. Journal of Soviet Mathematics, 1978, 9, 862-870.	0.0	0
56	Characterization of distributions by a property of modified ?2-statistic. Mathematical Notes, 1978, 24, 811-814.	0.4	0
57	Unbiased parametric estimate of probability distribution. Mathematical Notes, 1979, 25, 383-387.	0.4	0
58	Characterization of loss functions in statistical theory of estimation. Journal of Soviet Mathematics, 1979, 12, 237-246.	0.0	0
59	Stability estimation in the problem of reconstructing the additive type of a distribution. Journal of Soviet Mathematics, 1981, 17, 2265-2269.	0.0	0
60	Asymptotic ? -admissibility of the sample variance as an estimator of the population variance. Journal of Soviet Mathematics, 1981, 16, 1390-1395.	0.0	0
61	A method associated with characterizations of the exponential distribution. Annals of the Institute of Statistical Mathematics, 1983, 35, 105-114.	0.8	0
62	Some bounds on closeness of distributions in terms of characteristic functions. Journal of Soviet Mathematics, 1983, 21, 57-64.	0.0	0
63	Stability of characterization of exponential distribution by the discretization property. Journal of Soviet Mathematics, 1986, 32, 52-53.	0.0	0
64	Stability of the characterization of the normal law by properties of parametric estimators of the distribution density. Journal of Soviet Mathematics, 1986, 34, 1498-1503.	0.0	0
65	Characterization of probability laws by the properties of the identical distributions of linear forms with random coefficients. Journal of Soviet Mathematics, 1986, 33, 734-744.	0.0	0
66	Property of ?-lack of memory at finitely many points and stability of characterization of the exponential distribution. Journal of Soviet Mathematics, 1986, 35, 2360-2362.	0.0	0
67	Stability of the characterization of the exponential law. Journal of Soviet Mathematics, 1986, 35, 2479-2485.	0.0	0
68	Parametric density estimators and characterization of families of distributions with sufficient statistics for the location parameter. Journal of Soviet Mathematics, 1987, 36, 576-580.	0.0	0
69	U-statistics in characterization problems. Journal of Soviet Mathematics, 1989, 47, 2713-2717.	0.0	0
70	Stability estimate in the problem of reconstruction of an analytical characteristic function. Journal of Soviet Mathematics, 1989, 47, 2718-2725.	0.0	0
71	Restoration of the distribution from the mean values of the minima of a random number of random variables. Journal of Soviet Mathematics, 1990, 52, 2903-2905.	0.0	0
72	An estimate of the rate of convergence to a limit distribution in the minimum scheme of a random number of identically distributed random variables. Journal of Soviet Mathematics, 1991, 57, 3306-3310.	0.0	0

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73	Commutative semigroups with positive definite kernel. Journal of Mathematical Sciences, 1994, 69, 1154-1161.	0.4	0
74	Characterization of the symmetry of a distribution by moment properties. Journal of Mathematical Sciences, 1994, 72, 2900-2902.	0.4	0
75	Condition for the constancy of regression of a polynomial statistic on a sample mean. Journal of Mathematical Sciences, 1994, 68, 469-474.	0.4	0
76	On the location parameter confidence intervals based on a random size sample from a partially known population. Journal of Mathematical Sciences, 1996, 81, 2421-2423.	0.4	0
77	Computer Tomography and Quantum Mechanics. Advances in Applied Probability, 1997, 29, 595-606.	0.7	0
78	On reconstruction of density from a finite set of values of the radon transformation. Journal of Mathematical Sciences, 2000, 99, 1127-1129.	0.4	0
79	Ch. 9. On the reliability of hierarchical structures. Handbook of Statistics, 2001, 20, 227-236.	0.6	0
80	Dr. Andrei Yakovlev: Visionary, Leader, Iconoclast. Biology Direct, 2008, 3, 10.	4.6	0
81	Toward Integration of Biological Noise: Aggregation Effect in Microarray Data Analysis. , 0, , 183-190.		0
82	Aggregation Effect in Microarray Data Analysis. Methods in Molecular Biology, 2013, 972, 177-191.	0.9	0
83	Statistical Indicators of the Scientific Publications Importance: A Stochastic Model and Critical Look. Mathematics, 2020, 8, 713.	2.2	0
84	On the Condition of Independence of Linear Forms with a Random Number of Summands. Mathematics, 2021, 9, 1516.	2.2	0
85	Approximated maximum likelihood estimation of parameters of discrete stable family. Kybernetika, 0, , 1065-1076.	0.0	0
86	A Study of the Correlation Structure of Microarray Gene Expression Data Based on Mechanistic Modeling of Cell Population Kinetics. , 2020, , 47-61.		0
87	Utility of correlation measures in analysis of gene expression. Neurotherapeutics, 2006, 3, 384-395.	4.4	0