

Alexander G Kukush

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

724
citations

623734

14
h-index

580821

25
g-index

53
all docs

53
docs citations

53
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Remarks on quantiles and distortion risk measures. <i>European Actuarial Journal</i> , 2012, 2, 319-328.	1.1	92
2	The element-wise weighted total least-squares problem. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 181-209.	1.2	82
3	Consistency of elementwise-weighted total least squares estimator in a multivariate errors-in-variables model $AX=B$. <i>Metrika</i> , 2004, 59, 75-97.	0.8	49
4	Impact of Uncertainties in Exposure Assessment on Estimates of Thyroid Cancer Risk among Ukrainian Children and Adolescents Exposed from the Chernobyl Accident. <i>PLoS ONE</i> , 2014, 9, e85723.	2.5	44
5	Consistency of the structured total least squares estimator in a multivariate errors-in-variables model. <i>Journal of Statistical Planning and Inference</i> , 2005, 133, 315-358.	0.6	39
6	Consistent estimation in an implicit quadratic measurement error model. <i>Computational Statistics and Data Analysis</i> , 2004, 47, 123-147.	1.2	35
7	On the (in-)dependence between financial and actuarial risks. <i>Insurance: Mathematics and Economics</i> , 2013, 52, 522-531.	1.2	29
8	Asymptotic properties of an estimator in nonlinear functional errors-in-variables models with dependent error terms. <i>Computers and Mathematics With Applications</i> , 1997, 34, 23-39.	2.7	27
9	On the computation of the multivariate structured total least squares estimator. <i>Numerical Linear Algebra With Applications</i> , 2004, 11, 591-608.	1.6	23
10	Non-Existence of the First Moment of the Adjusted Least Squares Estimator in Multivariate Errors-in-Variables Model. <i>Metrika</i> , 2006, 64, 41-46.	0.8	19
11	Consistent fundamental matrix estimation in a quadratic measurement error model arising in motion analysis. <i>Computational Statistics and Data Analysis</i> , 2002, 41, 3-18.	1.2	18
12	Ordered random vectors and equality in distribution. <i>Scandinavian Actuarial Journal</i> , 2015, 2015, 221-244.	1.7	17
13	On the conic section fitting problem. <i>Journal of Multivariate Analysis</i> , 2007, 98, 588-624.	1.0	15
14	Methods for Estimation of Radiation Risk in Epidemiological Studies Accounting for Classical and Berkson Errors in Doses. <i>International Journal of Biostatistics</i> , 2011, 7, 1-30.	0.7	15
15	Three estimators for the poisson regression model with measurement errors. <i>Statistical Papers</i> , 2004, 45, 351-368.	1.2	14
16	Relative efficiency of three estimators in a polynomial regression with measurement errors. <i>Journal of Statistical Planning and Inference</i> , 2005, 127, 179-203.	0.6	14
17	Estimation of radiation risk in presence of classical additive and Berkson multiplicative errors in exposure doses. <i>Biostatistics</i> , 2016, 17, 422-436.	1.5	13
18	Hypothesis testing of the drift parameter sign for fractional Ornstein-Uhlenbeck process. <i>Electronic Journal of Statistics</i> , 2017, 11, .	0.7	13

#	ARTICLE	IF	CITATIONS
19	Consistent estimation in the bilinear multivariate errors-in-variables model. <i>Metrika</i> , 2003, 57, 253-285.	0.8	12
20	Statistical Inference with Fractional Brownian Motion. <i>Statistical Inference for Stochastic Processes</i> , 2005, 8, 71-93.	0.6	10
21	A goodness-of-fit test for a polynomial errors-in-variables model. <i>Ukrainian Mathematical Journal</i> , 2004, 56, 641-661.	0.5	9
22	Thyroid doses in Ukraine due to ¹³¹ I intake after the Chernobyl accident. Report I: revision of direct thyroid measurements. <i>Radiation and Environmental Biophysics</i> , 2021, 60, 267-288.	1.4	9
23	Asymptotic properties in space and time of an estimator in nonlinear functional errors-in-variables models. <i>Random Operators and Stochastic Equations</i> , 1999, 7, .	0.1	7
24	Correction of nonlinear orthogonal regression estimator. <i>Ukrainian Mathematical Journal</i> , 2004, 56, 1308-1330.	0.5	7
25	Quasi Score is more Efficient than Corrected Score in a Polynomial Measurement Error Model. <i>Metrika</i> , 2007, 65, 275-295.	0.8	7
26	Comonotonic asset prices in arbitrage-free markets. <i>Journal of Computational and Applied Mathematics</i> , 2020, 364, 112310.	2.0	7
27	The efficiency of adjusted least squares in the linear functional relationship. <i>Journal of Multivariate Analysis</i> , 2003, 87, 261-274.	1.0	6
28	Optimality of the quasi-score estimator in a mean- σ^2 variance model with applications to measurement error models. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 3461-3472.	0.6	6
29	Asymptotic behavior of solutions of the heat-conduction equation with white noise in the right side. <i>Ukrainian Mathematical Journal</i> , 1985, 37, 10-15.	0.5	5
30	Two approaches to consistent estimation of parameters of mixed fractional Brownian motion with trend. <i>Statistical Inference for Stochastic Processes</i> , 2022, 25, 159-187.	0.6	5
31	On Consistent Estimators in Linear and Bilinear Multivariate Errors-In-Variables Models. , 2002, , 155-164.		5
32	Comonotonic Asset Prices in Arbitrage-Free Markets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
33	Estimation in a linear multivariate measurement error model with a change point in the data. <i>Computational Statistics and Data Analysis</i> , 2007, 52, 1167-1182.	1.2	4
34	Consistent estimation in Cox proportional hazards model with measurement errors and unbounded parameter set. <i>Theory of Probability and Mathematical Statistics</i> , 2018, 96, 101-110.	0.5	4
35	Asymptotic properties of estimators in nonlinear functional errors-in-variables with dependent error terms. <i>Journal of Mathematical Sciences</i> , 1998, 92, 3890-3895.	0.4	3
36	Comparing the efficiency of structural and functional methods in measurement error models. <i>Theory of Probability and Mathematical Statistics</i> , 2010, 80, 131-131.	0.5	3

#	ARTICLE	IF	CITATIONS
37	Optimality of quasi-score in the multivariate mean–variance model with an application to the zero-inflated Poisson model with measurement errors. <i>Statistics</i> , 2010, 44, 381-396.	0.6	3
38	Kernel Density Estimation for Foreground Detection in Dynamic Video Processing for Unmanned Aerial Vehicle Application. , 2019, , .		3
39	The Multivariate Black & Scholes Market: Conditions for Completeness and No-Arbitrage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
40	Confidence regions in Cox proportional hazards model with measurement errors and unbounded parameter set. <i>Modern Stochastics: Theory and Applications</i> , 2018, 5, 37-52.	0.4	3
41	Maximum Likelihood Estimators in a Statistical Model of Natural Catastrophe Claims with Trend. <i>Extremes</i> , 2004, 7, 309-336.	1.0	2
42	UNMANNED AERIAL VEHICLES TRAJECTORY ANALYSIS CONSIDERING MISSING DATA. <i>Transport</i> , 2019, 34, 155-162.	1.2	2
43	Determination of sample size in a rare event simulation method. <i>Cybernetics and Systems Analysis</i> , 2006, 42, 65-74.	0.7	1
44	Ordered Random Vectors and Equality in Distribution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
45	Bias correction for Vandermonde low-rank approximation. <i>Econometrics and Statistics</i> , 2021, , .	0.8	1
46	Prediction in polynomial errors-in-variables models. <i>Modern Stochastics: Theory and Applications</i> , 2020, , 203-219.	0.4	1
47	A note on a matrix inequality for generalized means. <i>Linear Algebra and Its Applications</i> , 2004, 388, 289-294.	0.9	0
48	Estimation in a linear errors-in-variables model under a mixture of classical and Berkson errors. <i>Modern Stochastics: Theory and Applications</i> , 2021, , 373-386.	0.4	0
49	On the Problem of Probability Evaluation for Dangerous Air Miss of Aircrafts: Conditions of Application and Reduction of Dimension of the Generalized Method. <i>Journal of Automation and Information Sciences</i> , 2007, 39, 45-53.	0.7	0
50	Testing Linear and Nonlinear Hypotheses in a Cox Proportional Hazards Model with Errors in Covariates. <i>Lietuvos Statistikos Darbai</i> , 2020, 58, 39-47.	0.2	0