

Andrey N Pepelyshev

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

830
citations

394421

19
h-index

552781

26
g-index

60
all docs

60
docs citations

60
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Designs for Dose-Finding Studies. Journal of the American Statistical Association, 2008, 103, 1225-1237.	3.1	96
2	Generalized Latin Hypercube Design for Computer Experiments. Technometrics, 2010, 52, 421-429.	1.9	84
3	Improving updating rules in multiplicative algorithms for computing D-optimal designs. Computational Statistics and Data Analysis, 2008, 53, 312-320.	1.2	37
4	Maximin efficient design of experiment for exponential regression models. Journal of Statistical Planning and Inference, 2006, 136, 4397-4418.	0.6	34
5	Robust and efficient design of experiments for the Monod model. Journal of Theoretical Biology, 2005, 234, 537-550.	1.7	31
6	Optimal designs for a class of nonlinear regression models. Annals of Statistics, 2004, 32, .	2.6	30
7	Statistical approaches to description of rough engineering surfaces at nano and microscales. Tribology International, 2016, 103, 197-207.	5.9	27
8	Optimal designs for estimating individual coefficients in polynomial regression—a functional approach. Journal of Statistical Planning and Inference, 2004, 118, 201-219.	0.6	26
9	Efficient experimental designs for sigmoidal growth models. Journal of Statistical Planning and Inference, 2008, 138, 2-17.	0.6	23
10	Optimal design for linear models with correlated observations. Annals of Statistics, 2013, 41, .	2.6	23
11	Performance of global random search algorithms for large dimensions. Journal of Global Optimization, 2018, 71, 57-71.	1.8	22
12	D-Optimal Designs for Trigonometric Regression Models on a Partial Circle. Annals of the Institute of Statistical Mathematics, 2002, 54, 945-959.	0.8	21
13	Some robust design strategies for percentile estimation in binary response models. Canadian Journal of Statistics, 2006, 34, 603-622.	0.9	21
14	A New Approach to Optimal Design for Linear Models With Correlated Observations. Journal of the American Statistical Association, 2010, 105, 1093-1103.	3.1	21
15	The Role of the Nugget Term in the Gaussian Process Method. Contributions To Statistics, 2010, , 149-156.	0.2	21
16	Designs for estimating an extremal point of quadratic regression models in a hyperball. Metrika, 2003, 58, 193-208.	0.8	20
17	Efficient design of experiments in the Monod model. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2003, 65, 725-742.	2.2	20
18	New insights on permutation approach for hypothesis testing on functional data. Advances in Data Analysis and Classification, 2014, 8, 339-356.	1.4	20

#	ARTICLE	IF	CITATIONS
19	Optimal designs in regression with correlated errors. <i>Annals of Statistics</i> , 2016, 44, 113-152.	2.6	20
20	Adhesion of Soft Materials to Rough Surfaces: Experimental Studies, Statistical Analysis and Modelling. <i>Coatings</i> , 2018, 8, 350.	2.6	19
21	New approaches to nonparametric density estimation and selection of smoothing parameters. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2206-2218.	1.2	18
22	Optimal designs for three-dimensional shape analysis with spherical harmonic descriptors. <i>Annals of Statistics</i> , 2005, 33, .	2.6	17
23	Optimal designs for random effect models with correlated errors with applications in population pharmacokinetics. <i>Annals of Applied Statistics</i> , 2010, 4, .	1.1	12
24	Estimation of the quantile function using Bernsteinâ€Durrmeyer polynomials. <i>Journal of Nonparametric Statistics</i> , 2014, 26, 1-20.	0.9	10
25	Real-time financial surveillance via quickest change-point detection methods. <i>Statistics and Its Interface</i> , 2017, 10, 93-106.	0.3	10
26	Acceptance sampling plans for photovoltaic modules with twoâ€sided specification limits. <i>Progress in Photovoltaics: Research and Applications</i> , 2014, 22, 603-611.	8.1	9
27	Optimal designs for statistical analysis with Zernike polynomials. <i>Statistics</i> , 2007, 41, 453-470.	0.6	8
28	Optimal designs for dose-finding experiments in toxicity studies. <i>Bernoulli</i> , 2009, 15, .	1.3	8
29	A geometric characterization of optimal designs for regression models with correlated observations. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2011, 73, 239-252.	2.2	8
30	Optimal Experimental Design Strategies for Detecting Hormesis. <i>Risk Analysis</i> , 2011, 31, 1949-1960.	2.7	8
31	The BLUE in continuous-time regression models with correlated errors. <i>Annals of Statistics</i> , 2019, 47, .	2.6	8
32	Roughness of Deposited Carbon-Based Coatings and Its Statistical Characteristics at Nano and Microscales. <i>Frontiers in Mechanical Engineering</i> , 2019, 5, .	1.8	8
33	Discrete uniform and binomial distributions with infinite support. <i>Soft Computing</i> , 2020, 24, 17517-17524.	3.6	8
34	Local c- and E-optimal Designs for Exponential Regression Models. <i>Annals of the Institute of Statistical Mathematics</i> , 2006, 58, 407-426.	0.8	7
35	Optimal discrimination designs for exponential regression models. <i>Journal of Statistical Planning and Inference</i> , 2007, 137, 2579-2592.	0.6	7
36	Assessing the stability of long-horizon SSA forecasting. <i>Statistics and Its Interface</i> , 2010, 3, 321-327.	0.3	7

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37	Optimal designs for discriminating between dose-response models in toxicology studies. Bernoulli, 2010, 16, .	1.3	6
38	Probabilistic, Fractal, and Related Techniques for Analysis of Engineering Surfaces. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	6
39	Optimal designs for estimating the slope of a regression. Statistics, 2010, 44, 617-628.	0.6	5
40	Optimal design for smoothing splines. Annals of the Institute of Statistical Mathematics, 2011, 63, 981-1003.	0.8	5
41	Optimal designs for composed models in pharmacokineticâ€“pharmacodynamic experiments. Journal of Pharmacokinetics and Pharmacodynamics, 2012, 39, 295-311.	1.8	5
42	Fixed-domain asymptotics of the maximum likelihood estimator and the Gaussian process approach for deterministic models. Statistical Methodology, 2011, 8, 356-362.	0.5	4
43	On the optimal choice of the number of empirical Fourier coefficients for comparison of regression curves. Statistical Papers, 2015, 56, 981-997.	1.2	4
44	Panelâ€“based stratified cluster sampling and analysis for photovoltaic outdoor measurements. Applied Stochastic Models in Business and Industry, 2017, 33, 35-53.	1.5	4
45	SSA analysis and forecasting of records for Earth temperature and ice extents. Statistics and Its Interface, 2017, 10, 151-163.	0.3	4
46	A web-based tool for designing experimental studies to detect hormesis and estimate the threshold dose. Statistical Papers, 2018, 59, 1307-1324.	1.2	3
47	Analytic moment and Laplace transform formulae for the quasi-stationary distribution of the Shiryayev diffusion on an interval. Statistical Papers, 2018, 59, 1351-1377.	1.2	3
48	Optimal Designs for the Exponential Model with Correlated Observations. , 2007, , 165-172.		3
49	On representing maximin efficient designs by Taylor series. Journal of Statistical Planning and Inference, 2007, 137, 2689-2702.	0.6	2
50	â€“Nearlyâ€™ universally optimal designs for models with correlated observations. Computational Statistics and Data Analysis, 2014, 71, 1103-1112.	1.2	2
51	Asymptotic optimal designs under long-range dependence error structure. Bernoulli, 2009, 15, .	1.3	1
52	NPUA: A new approach for the analysis of computer experiments. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 333-340.	3.5	1
53	Analytic evaluation of the fractional moments for the quasi-stationary distribution of the Shiryayev martingale on an interval. Communications in Statistics Part B: Simulation and Computation, 2019, , 1-16.	1.2	1
54	On the evaluation of an integral involving the WhittakerWfunction. Journal of Computational and Applied Mathematics, 2021, 383, 113111.	2.0	1

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55	Optimal Design for Multivariate Models with Correlated Observations. Contributions To Statistics, 2013, , 203-210.	0.2	1
56	Uniform coverage designs for mixture experiments. Journal of Statistical Planning and Inference, 2009, 139, 3442-3452.	0.6	0
57	Correction to "Asymptotic optimal designs under long-range dependence error structure" Bernoulli 15 (2009) 1036-1056. Bernoulli, 2012, 18, .	1.3	0
58	Optimal designs for regression models with autoregressive errors. Statistics and Probability Letters, 2016, 116, 107-115.	0.7	0
59	Analysis of temperature and humidity in Oman using singular spectrum analysis. Communications in Statistics Part B: Simulation and Computation, 2023, 52, 1403-1416.	1.2	0
60	Quality Assessment in the Presence of Additional Data in Photovoltaics. , 2012, , 251-274.		0