Abhyuday Mandal

List of Publications by Year
in descending order

28	364	840776 11	839539 18
papers	citations	h-index	g-index

31	31	31	305
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal experimental designs for ordinal models with mixed factors for industrial and healthcare applications. Journal of Quality Technology, 2022, 54, 184-196.	2.5	5
2	LowCon: A Design-based Subsampling Approach in a Misspecified Linear Model. Journal of Computational and Graphical Statistics, 2021, 30, 694-708.	1.7	22
3	A Hierarchical Bayes Unit-Level Small Area Estimation Model for Normal Mixture Populations. Sankhya B, 2021, 83, 215-241.	0.9	2
4	Independent and combined effects of Bisphenol A and Diethylhexyl Phthalate on gestational outcomes and offspring development in Sprague-Dawley rats. Chemosphere, 2021, 263, 128307.	8.2	18
5	Identification of predictive MRI and functional biomarkers in a pediatric piglet traumatic brain injury model. Neural Regeneration Research, 2021, 16, 338.	3.0	7
6	EzGP: Easy-to-Interpret Gaussian Process Models for Computer Experiments with Both Quantitative and Qualitative Factors. SIAM-ASA Journal on Uncertainty Quantification, 2021, 9, 333-353.	2.0	5
7	Prenatal exposure to bisphenols affects pregnancy outcomes and offspring development in rats. Chemosphere, 2021, 276, 130118.	8.2	22
8	Statistical Analysis of Complex Computer Models in Astronomy. European Physical Journal: Special Topics, 2021, 230, 2253-2263.	2.6	2
9	A New Analysis Strategy for Designs With Complex Aliasing. American Statistician, 2020, 74, 274-281.	1.6	2
10	Microencapsulation of retinyl palmitate by melt dispersion for cosmetic application. Journal of Microencapsulation, 2020, 37, 205-219.	2.8	11
11	A-ComVar: A Flexible Extension of Common Variance Designs. Journal of Statistical Theory and Practice, 2020, 14, 1.	0.5	0
12	Using Differential Evolution to design optimal experiments. Chemometrics and Intelligent Laboratory Systems, 2020, 199, 103955.	3.5	13
13	Optimal Crossover Designs for Generalized Linear Models. Journal of Statistical Theory and Practice, 2020, 14, 1.	0.5	14
14	A history matching approach for calibrating hydrological models. Environmental and Ecological Statistics, 2019, 26, 87-105.	3.5	4
15	Robust Hierarchical Bayes Small Area Estimation for the Nested Error Linear Regression Model. International Statistical Review, 2019, 87, S158-S176.	1.9	8
16	d-QPSO: A Quantum-Behaved Particle Swarm Technique for Finding D-Optimal Designs With Discrete and Continuous Factors and a Binary Response. Technometrics, 2019, 61, 77-87.	1.9	23
17	Nitric oxideâ€releasing antibacterial albumin plastic for biomedical applications. Journal of Biomedical Materials Research - Part A, 2018, 106, 1535-1542.	4.0	7
18	Antibacterial and Drug Elution Performance of Thermoplastic Blends. Journal of Polymers and the Environment, 2018, 26, 132-144.	5.0	1

#	Article	IF	Citations
19	D-optimal Designs with Ordered Categorical Data. Statistica Sinica, 2018, , .	0.3	3
20	Approximations of the information matrix for a panel mixed logit model. Journal of Statistical Theory and Practice, 2017, 11, 269-295.	0.5	3
21	D-optimal Factorial Designs under Generalized Linear Models. Communications in Statistics Part B: Simulation and Computation, 2015, 44, 2264-2277.	1.2	10
22	Proteinâ€based bioplastics and their antibacterial potential. Journal of Applied Polymer Science, 2015, 132, .	2.6	52
23	Optimal designs for two-level factorial experiments with binary response. Statistica Sinica, 2012, 22, .	0.3	17
24	Model Selection by Testing for the Presence of Small-Area Effects, and Application to Area-Level Data. Journal of the American Statistical Association, 2011, 106, 362-374.	3.1	55
25	$mathcal{G}$-SELC: Optimization by sequential elimination of level combinations using genetic algorithms and Gaussian processes. Annals of Applied Statistics, 2009, 3, .	1.1	8
26	Identifying Promising Compounds in Drug Discovery:â€‰ Genetic Algorithms and Some New Statistical Techniques. Journal of Chemical Information and Modeling, 2007, 47, 981-988.	5.4	28
27	SELC: Sequential Elimination of Level Combinations by Means of Modified Genetic Algorithms. Technometrics, 2006, 48, 273-283.	1.9	21
28	An approach for studying aliasing relations of mixed fractional factorials based on product arrays. Statistics and Probability Letters, 2005, 75, 203-210.	0.7	1