Renate Meyer

List of Publications by Year
in descending order

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		185998	189595
69	2,686	28	50
papers	citations	h-index	g-index

74	74	74	2398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deviance Information Criterion for Comparing Stochastic Volatility Models. Journal of Business and Economic Statistics, 2004, 22, 107-120.	1.8	226
2	BUGS in Bayesian stock assessments. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1078-1087.	0.7	172
3	Bayesian methods for cosmological parameter estimation from cosmic microwave background measurements. Classical and Quantum Gravity, 2001, 18, 2677-2688.	1.5	154
4	BUGS for a Bayesian analysis of stochastic volatility models. Econometrics Journal, 2000, 3, 198-215.	1.2	151
5	Nonâ€linear state space modelling of fisheries biomass dynamics by using Metropolisâ€Hastings withinâ€Gibbs sampling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2000, 49, 327-342.	0.5	117
6	Bayesian state-space modeling of age-structured data: fitting a model is just the beginning. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 43-50.	0.7	117
7	Multivariate Stochastic Volatility Models: Bayesian Estimation and Model Comparison. Econometric Reviews, 2006, 25, 361-384.	0.5	114
8	Parameter estimation of spinning binary inspirals using Markov chain Monte Carlo. Classical and Quantum Gravity, 2008, 25, 184011.	1.5	95
9	Gravitational-Wave Astronomy with Inspiral Signals of Spinning Compact-Object Binaries. Astrophysical Journal, 2008, 688, L61-L64.	1.6	89
10	Bayesian stock assessment using a stateâ€“space implementation of the delay difference model. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 37-52.	0.7	76
11	Bayesian stock assessment using a state-space implementation of the delay difference model. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 37-52.	0.7	73
12	Bayesian reconstruction of chaotic dynamical systems. Physical Review E, 2000, 62, 3535-3542.	0.8	58
13	Age at first marriage in Malawi: a Bayesian multilevel analysis using a discrete time-to-event model. Journal of the Royal Statistical Society Series A: Statistics in Society, 2005, 168, 439-455.	0.6	56
14	Bayesian reconstruction of gravitational wave burst signals from simulations of rotating stellar core collapse and bounce. Physical Review D, 2009, 80, .	1.6	56
15	Coherent Bayesian inference on compact binary inspirals using a network of interferometric gravitational wave detectors. Physical Review D, 2007, 75, .	1.6	55
16	Bayesian inference on compact binary inspiral gravitational radiation signals in interferometric data. Classical and Quantum Gravity, 2006, 23, 4895-4906.	1.5	54
17	Using Markov chain Monte Carlo methods for estimating parameters with gravitational radiation data. Physical Review D, 2001, 64, .	1.6	53
18	A Bayesian approach to the ecosystem inverse problem. Ecological Modelling, 2003, 168, 39-55.	1.2	51

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19	Bayesian modeling of source confusion in LISA data. Physical Review D, 2005, 72, .	1.6	51
20	Markov chain Monte Carlo methods for Bayesian gravitational radiation data analysis. Physical Review D, 1998, 58, .	1.6	50
21	Report on the second Mock LISA data challenge. Classical and Quantum Gravity, 2008, 25, 114037.	1.5	44
22	Adaptive rejection Metropolis sampling using Lagrange interpolation polynomials of degree 2. Computational Statistics and Data Analysis, 2008, 52, 3408-3423.	0.7	41
23	Metropolisâ€“Hastings algorithms with adaptive proposals. Statistics and Computing, 2008, 18, 421-433.	0.8	37
24	Modelling coloured residual noise in gravitational-wave signal processing. Classical and Quantum Gravity, 2011, 28, 015010.	1.5	37
25	Spectral separation of the stochastic gravitational-wave background for LISA: Observing both cosmological and astrophysical backgrounds. Physical Review D, 2021, 103, .	1.6	37
26	A Metropolisâ€“Hastings routine for estimating parameters from compact binary inspiral events with laser interferometric gravitational radiation data. Classical and Quantum Gravity, 2004, 21, 317-330.	1.5	36
27	Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539.	1.5	33
28	Parameter estimation with gravitational waves. Reviews of Modern Physics, 2022, 94, .	16.4	30
29	Bayesian nonparametric spectral density estimation using B-spline priors. Statistics and Computing, 2019, 29, 67-78.	0.8	29
30	Spectral separation of the stochastic gravitational-wave background for LISA in the context of a modulated Galactic foreground. Monthly Notices of the Royal Astronomical Society, 2021, 508, 803-826.	1.6	28
31	Metropolis-Hastings algorithm for extracting periodic gravitational wave signals from laser interferometric detector data. Physical Review D, 2004, 70, .	1.6	26
32	Ability of LISA to detect a gravitational-wave background of cosmological origin: The cosmic string case. Physical Review D, 2022, 105, .	1.6	26
33	Fast Bayesian reconstruction of chaotic dynamical systems via extended Kalman filtering. Physical Review E, 2001, 65, 016206.	0.8	25
34	Inference of protoneutron star properties from gravitational-wave data in core-collapse supernovae. Physical Review D, 2021, 103, .	1.6	25
35	Bayesian inference for recurrent events data using time-dependent frailty. Statistics in Medicine, 2005, 24, 1263-1274.	0.8	24
36	Bayesian semiparametric power spectral density estimation with applications in gravitational wave data analysis. Physical Review D, 2015, 92, .	1.6	23

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37	Estimating the parameters of gravitational waves from neutron stars using an adaptive MCMC method. Classical and Quantum Gravity, 2004, 21, S1655-S1665.	1.5	22
38	Bayesian parameter estimation of core collapse supernovae using gravitational wave simulations. Inverse Problems, 2014, 30, 114008.	1.0	20
39	Identifying and addressing nonstationary LISA noise. Physical Review D, 2020, 102, .	1.6	20
40	LISA source confusion: identification and characterization of signals. Classical and Quantum Gravity, 2005, 22, S901-S911.	1.5	18
41	Stochastic volatility: Bayesian computation using automatic differentiation and the extended Kalman filter. Econometrics Journal, 2003, 6, 408-420.	1.2	17
42	Coherent Bayesian analysis of inspiral signals. Classical and Quantum Gravity, 2007, 24, S607-S615.	1.5	17
43	Mapping HIV prevalence using population and antenatal sentinel-based HIV surveys: a multi-stage approach. Population Health Metrics, 2015, 13, 22.	1.3	17
44	Bayesian bivariate survival analysis using the power variance function copula. Lifetime Data Analysis, 2018, 24, 355-383.	0.4	16
45	Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. Classical and Quantum Gravity, 2007, 24, S541-S549.	1.5	15
46	Beyond Whittle: Nonparametric Correction of a Parametric Likelihood with a Focus on Bayesian Time Series Analysis. Bayesian Analysis, 2019, 14, .	1.6	15
47	Inference on inspiral signals using LISA MLDC data. Classical and Quantum Gravity, 2007, 24, S521-S527.	1.5	13
48	Bayesian semiparametric modeling of survival data based on mixtures of -spline distributions. Computational Statistics and Data Analysis, 2011, 55, 1260-1272.	0.7	13
49	Bayesian semiparametric analysis of recurrent failure time data using copulas. Biometrical Journal, 2015, 57, 982-1001.	0.6	11
50	A simplified estimation procedure based on the EM algorithm for the power series cure rate model. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 6342-6359.	0.6	11
51	Data assimilation for largeâ€scale spatioâ€temporal systems using a location particle smoother. Environmetrics, 2013, 24, 81-97.	0.6	10
52	Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. Physical Review D, 2019, 99, .	1.6	10
53	Nonlinear eigenvector algorithms for local optimization in multivariate data analysis. Linear Algebra and Its Applications, 1997, 264, 225-246.	0.4	7
54	Bayesian inference on EMRI signals using low frequency approximations. Classical and Quantum Gravity, 2012, 29, 145014.	1.5	7

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55	Gravitational waves: A statistical autopsy of a black hole merger. Significance, 2016, 13, 20-25.	0.3	6
56	Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. AIP Conference Proceedings, 2004, , .	0.3	5
57	A time-domain MCMC search and upper limit technique for gravitational waves of uncertain frequency from a targeted neutron star. Classical and Quantum Gravity, 2005, 22, S995-S1001.	1.5	5
58	Penalized marginal likelihood estimation of finite mixtures of Archimedean copulas. Computational Statistics, 2014, 29, 283-306.	0.8	5
59	Bayesian nonparametric analysis of multivariate time series: A matrix Gamma Process approach. Journal of Multivariate Analysis, 2020, 175, 104560.	0.5	5
60	Preorderings, monotone functions, and best rank r approximations with applications to classical MDS. Journal of Statistical Planning and Inference, 1993, 37, 291-305.	0.4	4
61	Algorithms in Convex Analysis to Fit lp-Distance Matrices. Journal of Multivariate Analysis, 1994, 51, 102-120.	0.5	4
62	Bayesian spectral density estimation using P-splines with quantile-based knot placement. Computational Statistics, 2021, 36, 2055-2077.	0.8	4
63	Bayesian nonparametric modelling of the link function in the single-index model using a Bernsteinâ€“Dirichlet process prior. Journal of Statistical Computation and Simulation, 2019, 89, 3290-3312.	0.7	3
64	Computational techniques for parameter estimation of gravitational wave signals. Wiley Interdisciplinary Reviews: Computational Statistics, 2020, , e1532.	2.1	3
65	Determining individual trajectories of joint space loss: improved statistical methods for monitoring knee osteoarthritis disease progression. Osteoarthritis and Cartilage, 2021, 29, 59-67.	0.6	1
66	A Semiparametric Stratified Survival Model for Timing of First Birth in South Africa. The Plenum Series on Demographic Methods and Population Analysis, 2014, , 239-252.	0.6	1
67	United People: Designing A New Model of Global Governance. Journal of Asian Scientific Research, 2018, 8, 152-170.	0.0	1
68	Inference of Intensity-Based Models for Load-Sharing Systems With Damage Accumulation. IEEE Transactions on Reliability, 2022, 71, 539-554.	3.5	1
69	Hierarchical Failure Time Regression Using Mixtures for Classification of the Immune Response of Atlantic Salmon. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 501-521.	0.7	0