Sy-Miin Chow

List of Publications by Year
in descending order

61 papers	1,687 citations	279701 23 h-index	315616 38 g-index
62 all docs	62 docs citations	62 times ranked	1439 citing authors

#	Article	IF	Citations
1	Fitting Multilevel Vector Autoregressive Models in Stan, JAGS, and Mplus. Structural Equation Modeling, 2022, 29, 452-475.	2.4	10
2	Bayesian Forecasting with a Regime-Switching Zero-Inflated Multilevel Poisson Regression Model: An Application to Adolescent Alcohol Use with Spatial Covariates. Psychometrika, 2022, , 1.	1.2	3
3	Control Theory Forecasts of Optimal Training Dosage to Facilitate Childrenâ€™s Arithmetic Learning in a Digital Educational Application. Psychometrika, 2022, 87, 559-592.	1.2	2
4	A Person- and Time-Varying Vector Autoregressive Model to Capture Interactive Infant-Mother Head Movement Dynamics. Multivariate Behavioral Research, 2021, 56, 739-767.	1.8	10
5	Spousal Influence on Diabetes Self-care: Moderating Effects of Distress and Relationship Quality on Glycemic Control. Annals of Behavioral Medicine, 2021, 55, 123-132.	1.7	8
6	A Diagnostic Procedure for Detecting Outliers in Linear Stateâ€“Space Models. Multivariate Behavioral Research, 2020, 55, 231-255.	1.8	10
7	A Bayesian Vector Autoregressive Model with Nonignorable Missingness in Dependent Variables and Covariates: Development, Evaluation, and Application to Family Processes. Structural Equation Modeling, 2020, 27, 442-467.	2.4	5
8	Time to get personal? The impact of researchers choices on the selection of treatment targets using the experience sampling methodology. Journal of Psychosomatic Research, 2020, 137, 110211.	1.2	66
9	Child Effects on Parental Negativity: The Role of Heritable and Prenatal Factors. Child Development, 2020, 91, e1064-e1081.	1.7	12
10	A Square-Root Second-Order Extended Kalman Filtering Approach for Estimating Smoothly Time-Varying Parameters. Multivariate Behavioral Research, 2020, , 1-19.	1.8	1
11	Development of Emotion Regulation Dynamics Across Early Childhood: a Multiple Time-Scale Approach. Affective Science, 2020, 1, 28-41.	1.5	8
12	Affect and Personality. European Journal of Psychological Assessment, 2020, 36, 1009-1023.	1.7	3
13	The Differential Time-Varying Effect Model (DTVEM): A tool for diagnosing and modeling time lags in intensive longitudinal data. Behavior Research Methods, 2019, 51, 295-315.	2.3	35
14	Zero-Inflated Regime-Switching Stochastic Differential Equation Models for Highly Unbalanced Multivariate, Multi-Subject Time-Series Data. Psychometrika, 2019, 84, 611-645.	1.2	3
15	Practical Tools and Guidelines for Exploring and Fitting Linear and Nonlinear Dynamical Systems Models. Multivariate Behavioral Research, 2019, 54, 690-718.	1.8	14
16	Whats for dynr: A Package for Linear and Nonlinear Dynamic Modeling in R. R Journal, 2019, 11, 91.	0.7	21
17	dynr.mi: An R Program for Multiple Imputation in Dynamic Modeling. International Journal of Future Computer and Communication, 2019, 13, 302-311.	1.3	4
18	Handling Missing Data in the Modeling of Intensive Longitudinal Data. Structural Equation Modeling, 2018, 25, 715-736.	2.4	36

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19	Representing Sudden Shifts in Intensive Dyadic Interaction Data Using Differential Equation Models with Regime Switching. Psychometrika, 2018, 83, 476-510.	1.2	19
20	Exchanging Social Support Online: A Longitudinal Social Network Analysis of Irritable Bowel Syndrome Patientsâ€™ Interactions on a Health Forum. Journalism and Mass Communication Quarterly, 2018, 95, 1033-1057.	1.4	27
21	Ageâ€related changes in the dynamics of fearâ€related regulation in early childhood. Developmental Science, 2018, 21, e12633.	1.3	55
22	Stochastic Differential Equation Models with Time-Varying Parameters. , 2018, , 205-238.		8
23	Dynamical systems modeling of early childhood self-regulation.. Emotion, 2017, 17, 684-699.	1.5	75
24	How Chronic Self-Regulatory Stress, Poor Anger Regulation, and Momentary Affect Undermine Treatment for Alcohol Use Disorder: Integrating Social Action Theory with the Dynamic Model of Relapse. Journal of Social and Clinical Psychology, 2017, 36, 238-263.	0.2	9
25	(Re)evaluating the Implications of the Autoregressive Latent Trajectory Model Through Likelihood Ratio Tests of Its Initial Conditions. Multivariate Behavioral Research, 2017, 52, 178-199.	1.8	11
26	Bayesian Sensitivity Analysis of a Nonlinear Dynamic Factor Analysis Model with Nonparametric Prior and Possible Nonignorable Missingness. Psychometrika, 2017, 82, 875-903.	1.2	9
27	Dynamical Systems Modeling of Couple Interaction: a New Method for Assessing Intervention Impact Across the Transition to Parenthood. Prevention Science, 2017, 18, 887-898.	1.5	6
28	Trajectories of mothersâ€™ emotional availability: relations with infant temperament in predicting attachment security. Attachment and Human Development, 2017, 19, 38-57.	1.2	22
29	A comparison of Bayesian and frequentist model selection methods for factor analysis models.. Psychological Methods, 2017, 22, 361-381.	2.7	26
30	Bayesian hypothesis testing: Editorial to the Special Issue on Bayesian data analysis.. Psychological Methods, 2017, 22, 211-216.	2.7	11
31	A Comparison of Two-Stage Approaches for Fitting Nonlinear Ordinary Differential Equation Models with Mixed Effects. Multivariate Behavioral Research, 2016, 51, 154-184.	1.8	20
32	Modeling Self-Regulation as a Process Usinga Multiple Time-Scale Multiphase Latent Basis Growth Model. Structural Equation Modeling, 2016, 23, 635-648.	2.4	5
33	National Institutes of Health Pathways to Prevention Workshop: Advancing Research to Prevent Youth Suicide. Annals of Internal Medicine, 2016, 165, 795.	2.0	11
34	Bayesian Factor Analysis as a Variable-Selection Problem: Alternative Priors and Consequences. Multivariate Behavioral Research, 2016, 51, 519-539.	1.8	43
35	Fitting Nonlinear Ordinary Differential Equation Models with Random Effects and Unknown Initial Conditions Using the Stochastic Approximation Expectationâ€“Maximization (SAEM) Algorithm. Psychometrika, 2016, 81, 102-134.	1.2	27
36	Bayesian analysis of ambulatory blood pressure dynamics with application to irregularly spaced sparse data. Annals of Applied Statistics, 2015, 9, 1601-1620.	0.5	13

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37	The cusp catastrophe model as cross-sectional and longitudinal mixture structural equation models.. Psychological Methods, 2015, 20, 142-164.	2.7	34
38	Longitudinal Multi-Trait-State-Method Model Using Ordinal Data. Multivariate Behavioral Research, 2014, 49, 269-282.	1.8	4
39	Nonlinear Regime-Switching State-Space (RSSS) Models. Psychometrika, 2013, 78, 740-768.	1.2	36
40	Regime-Switching Bivariate Dual Change Score Model. Multivariate Behavioral Research, 2013, 48, 463-502.	1.8	24
41	A Bayesian approach for generalized random coefficient structural equation models for longitudinal data with adjacent time effects. Computational Statistics and Data Analysis, 2012, 56, 4190-4203.	0.7	2
42	Bayesian Lasso for Semiparametric Structural Equation Models. Biometrics, 2012, 68, 567-577.	0.8	38
43	Dynamic Factor Analysis Models With Time-Varying Parameters. Multivariate Behavioral Research, 2011, 46, 303-339.	1.8	51
44	Bayesian estimation of semiparametric nonlinear dynamic factor analysis models using the Dirichlet process prior. British Journal of Mathematical and Statistical Psychology, 2011, 64, 69-106.	1.0	44
45	A Sandwich-Type Standard Error Estimator of SEM Models with Multivariate Time Series. Psychometrika, 2011, 76, 77-96.	1.2	5
46	Exploring the Dynamics of Dyadic Interactions via Hierarchical Segmentation. Psychometrika, 2010, 75, 351-372.	1.2	11
47	Using State-Space Model with Regime Switching to Represent theÂDynamics of Facial Electromyography (EMG) Data. Psychometrika, 2010, 75, 744-771.	1.2	20
48	Equivalence and Differences Between Structural Equation Modeling and State-Space Modeling Techniques. Structural Equation Modeling, 2010, 17, 303-332.	2.4	72
49	Dynamic infantâ€“parent affect coupling during the face-to-face/still-face.. Emotion, 2010, 10, 101-114.	1.5	72
50	Developmental family processes and interparental conflict: Patterns of microlevel influences.. Developmental Psychology, 2010, 46, 869-885.	1.2	40
51	Automated Measurement of Facial Expression in Infantâ€“Mother Interaction: A Pilot Study. Infancy, 2009, 14, 285-305.	0.9	137
52	Representing timeâ€varying cyclic dynamics using multipleâ€subject stateâ€space models. British Journal of Mathematical and Statistical Psychology, 2009, 62, 683-716.	1.0	25
53	Using Innovative Outliers to Detect Discrete Shifts in Dynamics in Group-Based State-Space Models. Multivariate Behavioral Research, 2009, 44, 465-496.	1.8	13
54	Continuousâ€time modelling of irregularly spaced panel data using a cubic spline model. Statistica Neerlandica, 2008, 62, 131-154.	0.9	7

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55	Age differences in dynamical emotion-cognition linkages.. Psychology and Aging, 2007, 22, 765-780.	1.4	45
56	An Unscented Kalman Filter Approach to the Estimation of Nonlinear Dynamical Systems Models. Multivariate Behavioral Research, 2007, 42, 283-321.	1.8	87
57	Examining Interindividual Differences in Cyclicity of Pleasant and Unpleasant Affects Using Spectral Analysis and Item Response Modeling. Psychometrika, 2005, 70, 773-790.	1.2	41
58	Emotion as a Thermostat: Representing Emotion Regulation Using a Damped Oscillator Model.. Emotion, 2005, 5, 208-225.	1.5	167
59	General Slowing or Decreased Inhibition? Mathematical Models of Age Differences in Cognitive Functioning. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2004, 59, P101-P109.	2.4	16
60	Literacy Achievement during Kindergarten: Examining Key Contributors in an At-Risk Sample. Early Education and Development, 2004, 15, 245-264.	1.6	11
61	Dynamic Structure of Emotions Among Individuals with Parkinson's Disease. Structural Equation Modeling, 2004, 11, 560-582.	2.4	37