

Linda M Collins

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

12,114
citations

36271

51
h-index

39638

94
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96
all docs

96
docs citations

96
times ranked

12900
citing authors

#	ARTICLE	IF	CITATIONS
1	Just-in-Time Adaptive Interventions (JITAs) in Mobile Health: Key Components and Design Principles for Ongoing Health Behavior Support. <i>Annals of Behavioral Medicine</i> , 2018, 52, 446-462.	1.7	1,232
2	PROC LCA: A SAS Procedure for Latent Class Analysis. <i>Structural Equation Modeling</i> , 2007, 14, 671-694.	2.4	857
3	The Multiphase Optimization Strategy (MOST) and the Sequential Multiple Assignment Randomized Trial (SMART). <i>American Journal of Preventive Medicine</i> , 2007, 32, S112-S118.	1.6	832
4	Evaluating Digital Health Interventions. <i>American Journal of Preventive Medicine</i> , 2016, 51, 843-851.	1.6	553
5	A Conceptual Framework for Adaptive Preventive Interventions. <i>Prevention Science</i> , 2004, 5, 185-196.	1.5	508
6	Analysis of Longitudinal Data: The Integration of Theoretical Model, Temporal Design, and Statistical Model. <i>Annual Review of Psychology</i> , 2006, 57, 505-528.	9.9	413
7	A strategy for optimizing and evaluating behavioral interventions. <i>Annals of Behavioral Medicine</i> , 2005, 30, 65-73.	1.7	392
8	An Overview of Research and Evaluation Designs for Dissemination and Implementation. <i>Annual Review of Public Health</i> , 2017, 38, 1-22.	7.6	338
9	An Alternative Framework for Defining Mediation. <i>Multivariate Behavioral Research</i> , 1998, 33, 295-312.	1.8	337
10	Design of experiments with multiple independent variables: A resource management perspective on complete and reduced factorial designs.. <i>Psychological Methods</i> , 2009, 14, 202-224.	2.7	318
11	Latent Class Models for Stage-Sequential Dynamic Latent Variables. <i>Multivariate Behavioral Research</i> , 1992, 27, 131-157.	1.8	304
12	Web-Based Smoking-Cessation Programs. <i>American Journal of Preventive Medicine</i> , 2008, 34, 373-381.	1.6	257
13	The Multiphase Optimization Strategy for Engineering Effective Tobacco Use Interventions. <i>Annals of Behavioral Medicine</i> , 2011, 41, 208-226.	1.7	247
14	Factorial Experiments. <i>American Journal of Preventive Medicine</i> , 2014, 47, 498-504.	1.6	223
15	Attrition in prevention research. <i>Journal of Behavioral Medicine</i> , 1985, 8, 261-275.	1.1	199
16	A new SAS procedure for latent transition analysis: Transitions in dating and sexual risk behavior.. <i>Developmental Psychology</i> , 2008, 44, 446-456.	1.2	184
17	Optimization of behavioral dynamic treatment regimens based on the sequential, multiple assignment, randomized trial (SMART). <i>Clinical Trials</i> , 2014, 11, 426-434.	0.7	165
18	Psychosocial Predictors of Young Adolescent Cigarette Smoking: A Sixteen-Month, Three-Wave Longitudinal Study1. <i>Journal of Applied Social Psychology</i> , 1987, 17, 554-573.	1.3	164

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19	Goodness-of-Fit Testing for Latent Class Models. <i>Multivariate Behavioral Research</i> , 1993, 28, 375-389.	1.8	147
20	New Methods for Tobacco Dependence Treatment Research. <i>Annals of Behavioral Medicine</i> , 2011, 41, 192-207.	1.7	147
21	Replication in Prevention Science. <i>Prevention Science</i> , 2011, 12, 103-117.	1.5	139
22	Modeling transitions in latent stage-sequential processes: A substance use prevention example.. <i>Journal of Consulting and Clinical Psychology</i> , 1991, 59, 48-57.	1.6	133
23	Pubertal timing and the onset of substance use in females during early adolescence. <i>Prevention Science</i> , 2002, 3, 69-82.	1.5	133
24	Advancing Models and Theories for Digital Behavior Change Interventions. <i>American Journal of Preventive Medicine</i> , 2016, 51, 825-832.	1.6	132
25	Using engineering control principles to inform the design of adaptive interventions: A conceptual introduction. <i>Drug and Alcohol Dependence</i> , 2007, 88, S31-S40.	1.6	127
26	Optimization of Multicomponent Behavioral and Biobehavioral Interventions for the Prevention and Treatment of HIV/AIDS. <i>AIDS and Behavior</i> , 2016, 20, 197-214.	1.4	125
27	Agreement Between Retrospective Accounts of Substance Use and Earlier Reported Substance Use. <i>Applied Psychological Measurement</i> , 1985, 9, 301-309.	0.6	116
28	Omega: A General Formulation of the Rand Index of Cluster Recovery Suitable for Non-disjoint Solutions. <i>Multivariate Behavioral Research</i> , 1988, 23, 231-242.	1.8	112
29	A Mixture Model of Discontinuous Development in Heavy Drinking From Ages 18 to 30: The Role of College Enrollment. <i>Journal of Studies on Alcohol and Drugs</i> , 2006, 67, 552-561.	2.4	111
30	Frequency and adequacy of breast cancer screening among elderly hispanic women. <i>Preventive Medicine</i> , 1987, 16, 761-774.	1.6	101
31	Multilevel factorial experiments for developing behavioral interventions: Power, sample size, and resource considerations.. <i>Psychological Methods</i> , 2012, 17, 153-175.	2.7	95
32	Evaluating individual intervention components: making decisions based on the results of a factorial screening experiment. <i>Translational Behavioral Medicine</i> , 2014, 4, 238-251.	1.2	95
33	Developing multicomponent interventions using fractional factorial designs. <i>Statistics in Medicine</i> , 2009, 28, 2687-2708.	0.8	83
34	A Multidimensional Developmental Model of Alcohol Use During Emerging Adulthood. <i>Journal of Studies on Alcohol and Drugs</i> , 2006, 67, 917-925.	2.4	81
35	High-school smoking prevention: Results of a three-year longitudinal study. <i>Journal of Behavioral Medicine</i> , 1986, 9, 439-452.	1.1	73
36	A dynamical model for describing behavioural interventions for weight loss and body composition change. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2011, 17, 183-203.	1.4	73

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37	Identifying effective intervention components for smoking cessation: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 129-141.	1.7	73
38	Comparative effectiveness of intervention components for producing long-term abstinence from smoking: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 142-155.	1.7	73
39	Optimization of remotely delivered intensive lifestyle treatment for obesity using the Multiphase Optimization Strategy: Opt-IN study protocol. <i>Contemporary Clinical Trials</i> , 2014, 38, 251-259.	0.8	72
40	Self-initiated smoking cessation among high school students. <i>Addictive Behaviors</i> , 1985, 10, 265-271.	1.7	71
41	Implementing Clinical Research Using Factorial Designs: A Primer. <i>Behavior Therapy</i> , 2017, 48, 567-580.	1.3	70
42	Dynamic energy-balance model predicting gestational weight gain. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 115-122.	2.2	64
43	Latent transition analysis for longitudinal data. <i>Addiction</i> , 1996, 91, S197-S209.	1.7	63
44	Comparison of a phased experimental approach and a single randomized clinical trial for developing multicomponent behavioral interventions. <i>Clinical Trials</i> , 2009, 6, 5-15.	0.7	61
45	Using Data Augmentation to Obtain Standard Errors and Conduct Hypothesis Tests in Latent Class and Latent Transition Analysis.. <i>Psychological Methods</i> , 2005, 10, 84-100.	2.7	59
46	Historical Review of School-Based Randomized Trials for Evaluating Problem Behavior Prevention Programs. <i>Annals of the American Academy of Political and Social Science</i> , 2005, 599, 115-146.	0.8	57
47	Does Individual Risk Moderate the Effect of Contextual-Level Protective Factors? A Latent Class Analysis of Substance Use. <i>Journal of Prevention and Intervention in the Community</i> , 2010, 38, 213-228.	0.5	55
48	Comparative effectiveness of motivation phase intervention components for use with smokers unwilling to quit: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 117-128.	1.7	55
49	Implementation effectiveness trial of a social influences smoking prevention program using schools and television. <i>Health Education Research</i> , 1987, 2, 385-400.	1.0	49
50	Crossvalidation of Latent Class Models of Early Substance Use Onset. <i>Multivariate Behavioral Research</i> , 1994, 29, 165-183.	1.8	49
51	Parental Knowledge and Youth Risky Behavior: A Person Oriented Approach. <i>Journal of Youth and Adolescence</i> , 2013, 42, 1732-1744.	1.9	47
52	Implementing multifactorial psychotherapy research in online virtual environments (IMPROVE-2): study protocol for a phase III trial of the MOST randomized component selection method for internet cognitive-behavioural therapy for depression. <i>BMC Psychiatry</i> , 2016, 16, 345.	1.1	46
53	Using the multiphase optimization strategy (MOST) to optimize an HIV care continuum intervention for vulnerable populations: a study protocol. <i>BMC Public Health</i> , 2017, 17, 383.	1.2	46
54	Moving beyond the treatment package approach to developing behavioral interventions: addressing questions that arose during an application of the Multiphase Optimization Strategy (MOST). <i>Translational Behavioral Medicine</i> , 2014, 4, 252-259.	1.2	45

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55	Mining Health App Data to Find More and Less Successful Weight Loss Subgroups. <i>Journal of Medical Internet Research</i> , 2016, 18, e154.	2.1	45
56	Enhancing the effectiveness of smoking treatment research: conceptual bases and progress. <i>Addiction</i> , 2016, 111, 107-116.	1.7	44
57	A Prospective Longitudinal Model of Substance Use Onset Among South African Adolescents. <i>Substance Use and Misuse</i> , 2009, 44, 647-662.	0.7	39
58	Translational Research in South Africa: Evaluating Implementation Quality Using a Factorial Design. <i>Child and Youth Care Forum</i> , 2012, 41, 119-136.	0.9	38
59	Youthsâ€™ Substance Use and Changes in Parental Knowledge-Related Behaviors During Middle School: A Person-Oriented Approach. <i>Journal of Youth and Adolescence</i> , 2014, 43, 729-744.	1.9	37
60	Recruiting and engaging smokers in treatment in a primary care setting: developing a chronic care model implemented through a modified electronic health record. <i>Translational Behavioral Medicine</i> , 2013, 3, 253-263.	1.2	36
61	Using the longitudinal Guttman simplex as a basis for measuring growth.. <i>Psychological Bulletin</i> , 1990, 108, 128-134.	5.5	33
62	The Positive Emotions after Acute Coronary Events behavioral health intervention: Design, rationale, and preliminary feasibility of a factorial design study. <i>Clinical Trials</i> , 2017, 14, 128-139.	0.7	30
63	A Dynamical Systems Approach to Understanding Self-Regulation in Smoking Cessation Behavior Change. <i>Nicotine and Tobacco Research</i> , 2013, 16, S159-S168.	1.4	28
64	Tobacco dependence treatment in the emergency department: A randomized trial using the Multiphase Optimization Strategy. <i>Contemporary Clinical Trials</i> , 2018, 66, 1-8.	0.8	28
65	Patterns of Crime in a Birth Cohort. <i>Multivariate Behavioral Research</i> , 1983, 18, 235-257.	1.8	26
66	The Longitudinal Guttman Simplex: A New Methodology for Measurement of Dynamic Constructs in Longitudinal Panel Studies. <i>Applied Psychological Measurement</i> , 1988, 12, 217-230.	0.6	26
67	Optimization of a technology-supported physical activity intervention for breast cancer survivors: Fit2Thrive study protocol. <i>Contemporary Clinical Trials</i> , 2018, 66, 9-19.	0.8	26
68	Patterns of substance use onset among Hispanics in Puerto Rico and the United States. <i>Addictive Behaviors</i> , 2007, 32, 2432-2437.	1.7	22
69	Functional data analysis for dynamical system identification of behavioral processes.. <i>Psychological Methods</i> , 2014, 19, 175-187.	2.7	22
70	Multilevel factorial designs with experiment-induced clustering.. <i>Psychological Methods</i> , 2018, 23, 458-479.	2.7	21
71	Analyzing the acquisition of drug self-administration using growth curve modelsâ†. <i>Drug and Alcohol Dependence</i> , 2004, 75, 11-21.	1.6	20
72	Factor Recovery in Binary Data Sets: A Simulation. <i>Multivariate Behavioral Research</i> , 1986, 21, 377-391.	1.8	19

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73	A Risk-Based Model Predictive Control Approach to Adaptive Interventions in Behavioral Health. IEEE Transactions on Control Systems Technology, 2011, 19, 891-901.	3.2	19
74	Continuous-time system identification of a smoking cessation intervention. International Journal of Control, 2014, 87, 1423-1437.	1.2	18
75	Toward precision smoking cessation treatment I: Moderator results from a factorial experiment. Drug and Alcohol Dependence, 2017, 171, 59-65.	1.6	18
76	An Ordinal I Scaling Method for Questionnaire and Other Ordinal I Data. Applied Psychological Measurement, 1988, 12, 83-97.	0.6	17
77	Some methodological considerations in theory-based health behavior research.. Health Psychology, 2013, 32, 586-591.	1.3	17
78	Toward precision smoking cessation treatment II: Proximal effects of smoking cessation intervention components on putative mechanisms of action. Drug and Alcohol Dependence, 2017, 171, 50-58.	1.6	16
79	A Hybrid Model Predictive Control strategy for optimizing a smoking cessation intervention. , 2014, 2014, 2389-2394.		15
80	Using growth models to relate acquisition of nicotine self-administration to break point and nicotinic receptor binding. Drug and Alcohol Dependence, 2004, 75, 23-35.	1.6	14
81	BINCLUS: Nonhierarchical Clustering of Binary Data. Multivariate Behavioral Research, 1986, 21, 201-227.	1.8	13
82	Axiomatic foundations of a three-set guttman simplex model with applicability to longitudinal data. Psychometrika, 1985, 50, 147-158.	1.2	10
83	A note on the unbiased estimation of the intraclass correlation. Psychometrika, 1990, 55, 159-164.	1.2	10
84	The Measurement of Dynamic Latent Variables in Longitudinal Aging Research: Quantifying Adult Development. Experimental Aging Research, 1991, 17, 13-20.	0.6	10
85	Utilizing MOST frameworks and SMART designs for intervention research. Nursing Outlook, 2016, 64, 287-289.	1.5	9
86	The Acquisition and Maintenance of Safer Sexual Behaviors among Injection Drug Users. Substance Use and Misuse, 1996, 31, 1995-2015.	0.7	7
87	A Dynamical Systems Model for Understanding Behavioral Interventions for Weight Loss. Lecture Notes in Computer Science, 2010, , 170-179.	1.0	5
88	System Identification Modeling of a Smoking Cessation Intervention*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 786-791.	0.4	3
89	The Measurement of Dynamic Latent Variables in Longitudinal Aging Research: Quantifying Adult Development. Gerodontology, 1990, 9, 127-134.	0.8	2
90	Commentaries on Replication in Prevention Science: A Rejoinder. Prevention Science, 2011, 12, 123-125.	1.5	2

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91	Comment on "How Many Causes Are There of Aging-Related Decrements in Cognitive Functioning?". Developmental Review, 1994, 14, 438-443.	2.6	0