Lawrence T Decarlo

List of Publications by Year
in descending order

31 papers	2,326 citations	430874 18 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	2231 citing authors

#	Article	IF	Citations
1	On the meaning and use of kurtosis.. Psychological Methods, 1997, 2, 292-307.	3.5	1,085
2	Signal detection theory and generalized linear models.. Psychological Methods, 1998, 3, 186-205.	3.5	228
3	Signal detection theory with finite mixture distributions: Theoretical developments with applications to recognition memory.. Psychological Review, 2002, 109, 710-721.	3.8	120
4	Sequential effects in magnitude scaling: Models and theory.. Journal of Experimental Psychology: General, 1990, 119, 375-396.	2.1	104
5	Recognizing Uncertainty in the Q-Matrix via a Bayesian Extension of the DINA Model. Applied Psychological Measurement, 2012, 36, 447-468.	1.0	77
6	A Hierarchical Rater Model for Constructed Responses, with a Signal Detection Rater Model. Journal of Educational Measurement, 2011, 48, 333-356.	1.2	52
7	On the statistical and theoretical basis of signal detection theory and extensions: Unequal variance, random coefficient, and mixture models. Journal of Mathematical Psychology, 2010, 54, 304-313.	1.8	51
8	MATCHING AND MAXIMIZING WITH VARIABLE-TIME SCHEDULES. Journal of the Experimental Analysis of Behavior, 1985, 43, 75-81.	1.1	49
9	A Model of Rater Behavior in Essay Grading Based on Signal Detection Theory. Journal of Educational Measurement, 2005, 42, 53-76.	1.2	48
10	On a signal detection approach to -alternative forced choice with bias, with maximum likelihood and Bayesian approaches to estimation. Journal of Mathematical Psychology, 2012, 56, 196-207.	1.8	48
11	Source monitoring and multivariate signal detection theory, with a model for selection. Journal of Mathematical Psychology, 2003, 47, 292-303.	1.8	45
12	An application of signal detection theory with finite mixture distributions to source discrimination.. Journal of Experimental Psychology: Learning Memory and Cognition, 2003, 29, 767-778.	0.9	36
13	Regularities of source recognition: ROC analysis.. Journal of Experimental Psychology: General, 2002, 131, 494-510.	2.1	35
14	Estimating and testing autocorrelation with small samples: A comparison of the c-statistic to a modified estimator. Behaviour Research and Therapy, 1993, 31, 781-788.	3.1	30
15	The mirror effect and mixture signal detection theory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2007, 33, 18-33.	0.9	26
16	A Latent Class Extension of Signal Detection Theory, with Applications. Multivariate Behavioral Research, 2002, 37, 423-451.	3.1	25
17	Does extinction of responses to cigarette cues occur during smoking cessation?. Addiction, 2011, 106, 410-417.	3.3	23
18	Analysis and Class Validation of a Measure of Parental values Perceived by early Adolescents: An Application of a Latent Class Model for Rankings. Educational and Psychological Measurement, 2000, 60, 578-591.	2.4	20

#	Article	IF	Citations
19	Signal detection theory with item effects. Journal of Mathematical Psychology, 2011, 55, 229-239.	1.8	17
20	Signal detection models for the same–different task. Journal of Mathematical Psychology, 2013, 57, 43-51.	1.8	13
21	An application of a dynamic model of judgment to magnitude production. Perception & Psychophysics, 2003, 65, 152-162.	2.3	12
22	Process dissociation and mixture signal detection theory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 1565-1572.	0.9	7
23	An Item Response Model for True–False Exams Based on Signal Detection Theory. Applied Psychological Measurement, 2020, 44, 234-248.	1.0	7
24	A Signal Detection Model for Multiple-Choice Exams. Applied Psychological Measurement, 2021, 45, 423-440.	1.0	6
25	On bias in magnitude scaling and some conjectures of Stevens. Perception & Psychophysics, 2005, 67, 886-896.	2.3	4
26	Time allocation in carpenter ants (Componotus herculeanus).. Journal of Comparative Psychology (Washington, D C: 1983), 1989, 103, 389-400.	0.5	3
27	The influence of trial-to-trial recalibration on sequential effects in cross-modality matching. Psychological Research, 2008, 72, 115-122.	1.7	2
28	On Joining a Signal Detection Choice Model with Response Time Models. Journal of Educational Measurement, 2021, 58, 438-464.	1.2	2
29	Sequential effects in successive ratio estimation. Perception & Psychophysics, 2006, 68, 861-871.	2.3	1
30	A Latent Class Signal Detection Model for Rater Scoring with Ordered Perceptual Distributions. Journal of Educational Measurement, 2021, 58, 31-53.	1.2	1
31	Insights from Reparameterized DINA and Beyond. Methodology of Educational Measurement and Assessment, 2019, , 223-243.	0.4	1