

# Lawrence T Decarlo

## List of Publications by Year in descending order

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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  | A Latent Class Signal Detection Model for Rater Scoring with Ordered Perceptual Distributions. <i>Journal of Educational Measurement</i> , 2021, 58, 31-53.  | 1.2 | 1         |
| 2  | A Signal Detection Model for Multiple-Choice Exams. <i>Applied Psychological Measurement</i> , 2021, 45, 423-440.  | 1.0 | 6         |
| 3  | On Joining a Signal Detection Choice Model with Response Time Models. <i>Journal of Educational Measurement</i> , 2021, 58, 438-464.   | 1.2 | 2         |
| 4  | An Item Response Model for True-False Exams Based on Signal Detection Theory. <i>Applied Psychological Measurement</i> , 2020, 44, 234-248.  | 1.0 | 7         |
| 5  | Insights from Reparameterized DINA and Beyond. <i>Methodology of Educational Measurement and Assessment</i> , 2019, , 223-243.   | 0.4 | 1         |
| 6  | Signal detection models for the same-different task. <i>Journal of Mathematical Psychology</i> , 2013, 57, 43-51.  | 1.8 | 13        |
| 7  | Recognizing Uncertainty in the Q-Matrix via a Bayesian Extension of the DINA Model. <i>Applied Psychological Measurement</i> , 2012, 36, 447-468.  | 1.0 | 77        |
| 8  | On a signal detection approach to -alternative forced choice with bias, with maximum likelihood and Bayesian approaches to estimation. <i>Journal of Mathematical Psychology</i> , 2012, 56, 196-207.        | 1.8 | 48        |
| 9  | Does extinction of responses to cigarette cues occur during smoking cessation?. <i>Addiction</i> , 2011, 106, 410-417.   | 3.3 | 23        |
| 10 | A Hierarchical Rater Model for Constructed Responses, with a Signal Detection Rater Model. <i>Journal of Educational Measurement</i> , 2011, 48, 333-356.  | 1.2 | 52        |
| 11 | Signal detection theory with item effects. <i>Journal of Mathematical Psychology</i> , 2011, 55, 229-239.  | 1.8 | 17        |
| 12 | On the statistical and theoretical basis of signal detection theory and extensions: Unequal variance, random coefficient, and mixture models. <i>Journal of Mathematical Psychology</i> , 2010, 54, 304-313. | 1.8 | 51        |
| 13 | The influence of trial-to-trial recalibration on sequential effects in cross-modality matching. <i>Psychological Research</i> , 2008, 72, 115-122.   | 1.7 | 2         |
| 14 | Process dissociation and mixture signal detection theory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2008, 34, 1565-1572.   | 0.9 | 7         |
| 15 | The mirror effect and mixture signal detection theory.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2007, 33, 18-33.  | 0.9 | 26        |
| 16 | Sequential effects in successive ratio estimation. <i>Perception &amp; Psychophysics</i> , 2006, 68, 861-871.  | 2.3 | 1         |
| 17 | On bias in magnitude scaling and some conjectures of Stevens. <i>Perception &amp; Psychophysics</i> , 2005, 67, 886-896.   | 2.3 | 4         |
| 18 | A Model of Rater Behavior in Essay Grading Based on Signal Detection Theory. <i>Journal of Educational Measurement</i> , 2005, 42, 53-76.  | 1.2 | 48        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | An application of a dynamic model of judgment to magnitude production. <i>Perception &amp; Psychophysics</i> , 2003, 65, 152-162.  | 2.3 | 12        |
| 20 | Source monitoring and multivariate signal detection theory, with a model for selection. <i>Journal of Mathematical Psychology</i> , 2003, 47, 292-303.   | 1.8 | 45        |
| 21 | An application of signal detection theory with finite mixture distributions to source discrimination.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2003, 29, 767-778.                     | 0.9 | 36        |
| 22 | Signal detection theory with finite mixture distributions: Theoretical developments with applications to recognition memory.. <i>Psychological Review</i> , 2002, 109, 710-721.  | 3.8 | 120       |
| 23 | A Latent Class Extension of Signal Detection Theory, with Applications. <i>Multivariate Behavioral Research</i> , 2002, 37, 423-451.   | 3.1 | 25        |
| 24 | Regularities of source recognition: ROC analysis.. <i>Journal of Experimental Psychology: General</i> , 2002, 131, 494-510.  | 2.1 | 35        |
| 25 | Analysis and Class Validation of a Measure of Parental values Perceived by early Adolescents: An Application of a Latent Class Model for Rankings. <i>Educational and Psychological Measurement</i> , 2000, 60, 578-591. | 2.4 | 20        |
| 26 | Signal detection theory and generalized linear models.. <i>Psychological Methods</i> , 1998, 3, 186-205.   | 3.5 | 228       |
| 27 | On the meaning and use of kurtosis.. <i>Psychological Methods</i> , 1997, 2, 292-307.  | 3.5 | 1,085     |
| 28 | Estimating and testing autocorrelation with small samples: A comparison of the c-statistic to a modified estimator. <i>Behaviour Research and Therapy</i> , 1993, 31, 781-788.   | 3.1 | 30        |
| 29 | Sequential effects in magnitude scaling: Models and theory.. <i>Journal of Experimental Psychology: General</i> , 1990, 119, 375-396.  | 2.1 | 104       |
| 30 | Time allocation in carpenter ants ( <i>Componotus herculeanus</i> ).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 1989, 103, 389-400.  | 0.5 | 3         |
| 31 | MATCHING AND MAXIMIZING WITH VARIABLE-TIME SCHEDULES. <i>Journal of the Experimental Analysis of Behavior</i> , 1985, 43, 75-81.   | 1.1 | 49        |