

# Timothy R Brick

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,525  
citations

623734

14  
h-index

214800

47  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3746  
citing authors

#	ARTICLE	IF	CITATIONS
1	OpenMx: An Open Source Extended Structural Equation Modeling Framework. <i>Psychometrika</i> , 2011, 76, 306-317.	2.1	976
2	OpenMx 2.0: Extended Structural Equation and Statistical Modeling. <i>Psychometrika</i> , 2016, 81, 535-549.	2.1	775
3	Teams on the same wavelength perform better: Inter-brain phase synchronization constitutes a neural substrate for social facilitation. <i>NeuroImage</i> , 2017, 152, 425-436.	4.2	91
4	Incremental natural language processing for HRI. , 2007, , .		63
5	Metacognitive Mechanisms Underlying Lucid Dreaming. <i>Journal of Neuroscience</i> , 2015, 35, 1082-1088.	3.6	57
6	Effects of damping head movement and facial expression in dyadic conversation using real-time facial expression tracking and synthesized avatars. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 3485-3495.	4.0	55
7	Mapping and Manipulating Facial Expression. <i>Language and Speech</i> , 2009, 52, 369-386.	1.1	37
8	Something in the way we move: Motion dynamics, not perceived sex, influence head movements in conversation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 874-891.	0.9	32
9	Identifying users of traditional and Internet-based resources for meal ideas: An association rule learning approach. <i>Appetite</i> , 2016, 103, 128-136.	3.7	32
10	Hyper-Transcranial Alternating Current Stimulation: Experimental Manipulation of Inter-Brain Synchrony. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 539.	2.0	27
11	Is This Car Looking at You? How Anthropomorphism Predicts Fusiform Face Area Activation when Seeing Cars. <i>PLoS ONE</i> , 2014, 9, e113885.	2.5	27
12	Psychological well-being and personality traits are associated with experiencing love in everyday life. <i>Personality and Individual Differences</i> , 2020, 153, 109620.	2.9	21
13	Prospective associations between depressive symptoms and marital satisfaction in Black couples.. <i>Journal of Family Psychology</i> , 2020, 34, 12-23.	1.3	20
14	Feature Selection Methods for Optimal Design of Studies for Developmental Inquiry. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2018, 73, 113-123.	3.9	19
15	Maintained Individual Data Distributed Likelihood Estimation (MIDDLE). <i>Multivariate Behavioral Research</i> , 2015, 50, 706-720.	3.1	17
16	Low-Burden Mobile Monitoring, Intervention, and Real-Time Analysis Using the Wear-IT Framework: Example and Usability Study. <i>JMIR Formative Research</i> , 2020, 4, e16072.	1.4	16
17	Get the FACS fast: Automated FACS face analysis benefits from the addition of velocity. , 2009, 10-12, 1-7.		14
18	Automatic Facial Feature Extraction for Predicting Designers' Comfort With Engineering Equipment During Prototype Creation. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2017, 139, .	2.9	14

#	ARTICLE	IF	CITATIONS
19	Analyzing Dyadic Data Using Grid-Sequence Analysis: Interdyad Differences in Intraday Dynamics. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2018, 73, 5-18.	3.9	14
20	Assessing psychological well-being in early adulthood: Empirical evidence for the structure of daily well-being via network analysis. <i>Applied Developmental Science</i> , 2022, 26, 207-225.	1.7	14
21	Correlational Methods for Analysis of Dance Movements. <i>Dance Research</i> , 2011, 29, 283-304.	0.1	13
22	Speech and action: integration of action and language for mobile robots. , 2007, , .		12
23	Many-Level Multilevel Structural Equation Modeling: An Efficient Evaluation Strategy. <i>Structural Equation Modeling</i> , 2017, 24, 684-698.	3.8	12
24	Multivariate normal maximum likelihood with both ordinal and continuous variables, and data missing at random. <i>Behavior Research Methods</i> , 2018, 50, 490-500.	4.0	12
25	Recurrence Quantification for the Analysis of Coupled Processes in Aging. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2018, 73, 134-147.	3.9	12
26	Capturing emotion coherence in daily life: Using ambulatory physiology measures and ecological momentary assessments to examine within-person associations and individual differences. <i>Biological Psychology</i> , 2021, 162, 108074.	2.2	10
27	Daily associations among craving, affect, and social interactions in the lives of patients during residential opioid use disorder treatment.. <i>Psychology of Addictive Behaviors</i> , 2021, 35, 609-620.	2.1	10
28	A dyadic perspective on PTSD symptomsâ€™ associations with couple functioning and parenting stress in first-time parents.. <i>Couple and Family Psychology: Research and Practice</i> , 2017, 6, 117-132.	1.2	10
29	Associations Between Slow- and Fast-Timescale Indicators of Emotional Functioning. <i>Social Psychological and Personality Science</i> , 2019, 10, 864-873.	3.9	8
30	Effectiveness and Utility of Mobile Device Assessment of Subjective Craving during Residential Opioid Dependence Treatment. <i>Substance Use and Misuse</i> , 2021, 56, 1284-1294.	1.4	8
31	Rock the MIC: The Matrix of Implied Causation, a Tool for Experimental Design and Model Checking. <i>Advances in Methods and Practices in Psychological Science</i> , 2020, 3, 286-299.	9.4	7
32	Recovery and Recovery Capital: Aligning Measurement with Theory and Practice. <i>Emerging Issues in Family and Individual Resilience</i> , 2021, , 109-128.	0.2	7
33	What can be learned from couple research: Examining emotional co-regulation processes in face-to-face interactions.. <i>Journal of Counseling Psychology</i> , 2020, 67, 475-487.	2.0	7
34	On the relation between a green and bright window view and length of hospital stay in affective disorders. <i>European Psychiatry</i> , 2022, 65, 1-22.	0.2	7
35	Behavioral landscapes and earth moverâ€™s distance: A new approach for studying individual differences in density distributions. <i>Journal of Research in Personality</i> , 2017, 69, 191-205.	1.7	6
36	Ecological momentary assessment of using food to soothe during infancy in the INSIGHT trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019, 16, 79.	4.6	6

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37	Daily meaningfulness among patients with opioid use disorder: Examining the role of social experiences during residential treatment and links with post-treatment relapse. <i>Addictive Behaviors</i> , 2021, 119, 106914.	3.0	6
38	Brain synchronization during perception of facial emotional expressions with natural and unnatural dynamics. <i>PLoS ONE</i> , 2017, 12, e0181225.	2.5	6
39	Efficient Hessian computation using sparse matrix derivatives in RAM notation. <i>Behavior Research Methods</i> , 2013, 46, 385-95.	4.0	5
40	Exploring the Link Between Task Complexity and Students' Affective States During Engineering Laboratory Activities. , 2016, , .		5
41	Individualized Modeling to Distinguish Between High and Low Arousal States Using Physiological Data. <i>Journal of Healthcare Informatics Research</i> , 2020, 4, 91-109.	7.6	5
42	Providing accurate models across private partitioned data: Secure maximum likelihood estimation. <i>Annals of Applied Statistics</i> , 2018, 12, .	1.1	4
43	dynr.mi: An R Program for Multiple Imputation in Dynamic Modeling. <i>International Journal of Future Computer and Communication</i> , 2019, 13, 302-311.	1.3	4
44	Distance to the Neutral Face Predicts Arousal Ratings of Dynamic Facial Expressions in Individuals With and Without Autism Spectrum Disorder. <i>Frontiers in Psychology</i> , 2020, 11, 577494.	2.1	3
45	Capturing temporal dynamics of fear behaviors on a moment-to-moment basis. <i>Infancy</i> , 2020, 25, 264-285.	1.6	3
46	The Effects of Selective Survival on Black Adults' Cognitive Development. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2021, 76, 1489-1498.	3.9	3
47	Associations Between Traumatic Stress, Brain Volumes and Post-traumatic Stress Disorder Symptoms in Children: Data from the ABCD Study. <i>Behavior Genetics</i> , 2022, 52, 75-91.	2.1	3
48	Daily Implications of Felt Love for Sleep Quality. <i>American Journal of Psychology</i> , 2021, 134, 463-477.	0.3	3
49	Do I look like I'm sure?: Partial metacognitive access to the low-level aspects of one's own facial expressions. <i>Cognition</i> , 2022, 225, 105155.	2.2	2
50	High-presence, low-bandwidth, apparent 3D video-conferencing with a single camera. , 2009, , .		1
51	Accurate Estimation of Structural Equation Models with Remote Partitioned Data. <i>Lecture Notes in Computer Science</i> , 2016, , 190-209.	1.3	1
52	How Much of Me Do I See in Other Minds? Modulating Egocentricity in Emotion Judgments by tDCS. <i>Brain Sciences</i> , 2021, 11, 512.	2.3	1
53	Subjective and objective difficulty of emotional facial expression perception from dynamic stimuli. <i>PLoS ONE</i> , 2022, 17, e0269156.	2.5	1
54	MACHINE LEARNING AND GERONTOLOGY: BOOSTED REGRESSION TREES PREDICT AGE DIFFERENCES IN STRESSOR EXPERIENCE. <i>Gerontologist</i> , The, 2015, 55, 461-462.	3.9	0

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55	DYADIC ANALYSIS USING GRID SEQUENCE METHODS: INTER-DYAD DIFFERENCES IN INTRA-DYAD DYNAMICS. Gerontologist, The, 2016, 56, 210-210.	3.9	0
56	FINDING THE RIGHT VARIABLES, STUDY DESIGN, AND THEORY USING FEATURE SELECTION METHODS. Gerontologist, The, 2016, 56, 210-211.	3.9	0
57	Time-series analysis. , 0, , 201-206.		0
58	Using association rules mining to characterize loss of control eating in childhood. Appetite, 2021, 163, 105236.	3.7	0
59	Evaluating measurement of longitudinal education data using the Measurement Model of Derivatives. Journal of School Psychology, 2022, 92, 360-375.	2.9	0