

Online Supplement for Article Titled  
**The First 20 Years of *Organizational Research Methods*:  
Trajectory, Impact, and Predictions for the Future**

Table S-6

*Top 50 Most-cited Organizational Research Methods Articles Out of a Total of 484 (1998–2017)*

Rank	WoS Citations per year	Total WoS citations	Title	Authors	Year
1	149.59	2,543	A review and synthesis of the measurement invariance literature: Suggestions, practices, and recommendations for organizational research.	Robert J. Vandenberg Charles E. Lance	2000
2	138.50	554	Seeking qualitative rigor in inductive research: Notes on the Gioia methodology.	Dennis A. Gioia Kevin G. Corley Aimee L. Hamilton	2013
3	136.00	1,496	Method variance in organizational research: Truth or urban legend?	Paul E. Spector	2006
4	92.14	645	Common method bias in regression models with linear, quadratic, and interaction effects.	Enno Siemsen Aleda Roth Pedro Oliveira	2010
5	90.22	812	Answers to 20 questions about interrater reliability and interrater agreement.	James M. LeBreton Jenell L. Senter	2008
6	69.00	207	Common beliefs and reality about PLS: Comments on Rönkkö and Evermann (2013).	Jörg Henseler Theo K. Dijkstra Marko Sarstedt Christian M. Ringle Adamantios Diamantopoulos Detmar W. Straub David J. Ketchen Jr. Joseph F. Hair G. Tomas M. Hult Roger J. Calantone	2014
7	60.62	788	Factor retention decisions in exploratory factor analysis: A tutorial on parallel analysis.	James C. Hayton David G. Allen Vida Scarpello	2004
8	59.22	533	Testing mediation and suppression effects of latent variables: Bootstrapping with structural equation models.	Gordon W. Cheung Rebecca S. Lau	2008
9	51.91	571	The sources of four commonly reported cutoff criteria: What did they really say?	Charles E. Lance Marcus M. Butts Lawrence C. Michels	2006

10	46.33	556	Potential problems in the statistical control of variables in organizational research: A qualitative analysis with recommendations.	Thomas E. Becker	2005
11	43.22	389	Tests of the three-path mediated effect.	Aaron B. Taylor David P. Mackinnon Jenn-Yun Tein	2008
12	42.67	256	Methodological urban legends: The misuse of statistical control variables.	Paul E. Spector Michael T. Brannick	2011
13	41.44	663	Validation of a new general self-efficacy scale.	Gilad Chen Stanley M. Gully Dov Eden	2001
14	41.26	784	A brief tutorial on the development of measures for use in survey questionnaires.	Timothy R. Hinkin	1998
15	41.00	328	Testing multilevel mediation using hierarchical linear models: Problems and solutions.	Zhen Zhang Michael J. Zyphur Kristopher J. Preacher	2009
16	40.45	445	A tale of two methods.	Lawrence R. James Stanley A. Mulaik Jeanne M. Brett	2006
17	34.22	308	Estimating effect sizes from the pretest-posttest-control group designs.	Scott B. Morris	2008
18	33.69	438	Using generalized estimating equations for longitudinal data analysis.	Gary A. Ballinger	2004
19	33.30	333	Introduction: Understanding and dealing with organizational survey nonresponse.	Steven G. Rogelberg Jeffrey M. Stanton	2007
20	33.06	562	From micro to meso: Critical steps in conceptualizing and conducting multilevel research.	Katherine J. Klein Steve W. J. Kozlowski	2000
21	32.00	96	Best practice recommendations for designing and implementing experimental vignette methodology studies.	Herman Aguinis Kyle J. Bradley	2014
22	31.43	220	Method variance and marker variables: A review and comprehensive CFA marker technique.	Larry J. Williams Nathan Hartman Flavia Cavazotte	2010
23	31.00	589	Common methods bias: Does common methods variance really bias results?	Harold Doty William H. Glick	1998
24	27.20	272	A content analysis of the content analysis literature in organization studies: Research themes, data sources, and methodological refinements.	Vincent J. Duriau Rhonda K. Reger Michael D. Pfarrer	2007

25	25.60	128	The illusion of statistical control: Control variable practice in management research.	Kevin D. Carlson Jinpei Wu	2012
26	25.25	101	Advancing multilevel research design: Capturing the dynamics of emergence.	Steve W. J. Kozlowski Georgia T. Chao James A. Grand Michael T. Braun Goran Kuljanin	2013
27	25.00	200	A tale of three perspectives: Examining post hoc statistical techniques for detection and correction of common method variance.	Hettie A. Richardson Marcia J. Simmering Michael C. Sturman	2009
28	24.95	474	A general approach for representing constructs in organizational research.	Richard P. Bagozzi Jeffrey R. Edwards	1998
29	24.13	386	Multidimensional constructs in organizational behavior research: An integrative analytical framework.	Jeffrey R. Edwards	2001
30	23.00	391	A comparison of approaches to forming composite measures in structural equation models.	Ronald S. Landis Daniel J. Beal Paul E. Tesluk	2000
30	23.00	23	Multiple-group analysis of similarity in latent profile solutions.	Alexandre J. S. Morin John P. Meyer Jordane Creusier Franck Biétry	2016
32	22.17	133	The fallacy of formative measurement.	Jeffrey R. Edwards	2011
33	21.63	173	Estimating statistical power and required sample sizes for organizational research using multilevel modeling.	Charles A. Scherbaum Jennifer M. Ferreter	2009
34	21.23	276	History and use of relative importance indices in organizational research.	Jeff W. Johnson James M. Lebreton	2004
35	21.00	84	Best-practice recommendations for defining, identifying, and handling outliers.	Herman Aguinis Ryan K. Gottfredson Harry Joo	2013
36	20.50	41	Bibliometric methods in management and organization.	Ivan Zupic Tomaz Cater	2015
37	20.21	283	A review and evaluation of exploratory factor analysis practices in organizational research.	James M. Conway Allen I. Huffcutt	2003
38	20.20	101	Publication bias in the organizational sciences.	Sven Kepes George C. Banks Michael McDaniel Deborah L. Whetzel	2012

39	19.86	139	Method effects, measurement error, and substantive conclusions.	Charles E. Lance Bryan Dawson David Birkelbach Brian J. Hoffman	2010
40	19.00	19	Necessary condition analysis (NCA): Logic and methodology of “Necessary but Not Sufficient” causality.	Jan Dul	2016
40	19.00	95	The time has come: Bayesian methods for data analysis in the organizational sciences.	John K. Kruschke Herman Aguinis Harry Joo	2012
40	19.00	266	A review of cross-cultural methodologies for organizational research: A best-practices approach.	Bryan S. Schaffer Christine M. Riordan	2003
43	18.57	130	The " what" and " how" of case study rigor: Three strategies based on published research.	Michael Gibbert Winfried Ruigrok	2010
44	18.22	328	Item parceling strategies in SEM: Investigating the subtle effects of unmodeled secondary constructs.	Rosalie J. Hall Andrea F. Snell Michelle Singer Foust	1999
45	17.87	268	Growth modeling using random coefficient models: Model building, testing, and illustrations.	Paul D. Bliese Robert E. Ployhart	2002
46	17.67	53	Missing data: Five practical guidelines.	Daniel A. Newman	2014
47	17.56	158	Fitting oval pegs into round holes: Tensions in evaluating and publishing qualitative research in top-tier North American journals.	Michael G. Pratt	2008
48	17.45	192	What (not) to expect when surveying executives: A meta-analysis of top manager response rates and techniques over time.	Cynthia S. Cycyota David A. Harrison	2006
49	16.94	271	Ten difference score myths.	Jeffrey R. Edwards	2001
50	16.88	135	The case study as disciplinary convention: Evidence from international business journals.	Rebecca Piekari Catherine Welch Eriikka Paavilainen	2009

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*Note:* WoS = Web of Science. WoS citations as of May 25, 2018.

Table S-9

Organizational Research Methods (ORM) 82 Most Published Authors Out of a Total of 884 (1998–2017)

Rank	Author	Disciplinary Affiliation	Doctoral Degree Discipline	Number of ORM Articles	Number of Citations per ORM Article
1	Herman Aguinis	Management	I-O Psychology	17	110.35
2	James M. LeBreton	Psychology	I-O Psychology	11	280.91
2	Lawrence R. James	Psychology	I-O Psychology	11	163.64
4	Adam W. Meade	Psychology	Psychometrics, I-O Psychology	10	74.60
5	Gordon W. Cheung	Management	Management	9	184.00
5	Jeffrey R. Edwards	Management	Organizational Psychology	9	367.22
7	Jose M. Cortina	Psychology	I-O Psychology	8	105.13
7	Charles E. Lance	Psychology	I-O Psychology	8	793.13
9	Charles A. Pierce	Management	I-O Psychology	7	106.14
10	Arthur G. Bedeian	Management	Business Administration	6	86.33
10	Paul D. Bliese	Management	Applied Social Psychology	6	273.50
10	David J. Ketchen	Management	Strategic Management	6	154.00
10	Robert E. Ployhart	Management	I-O Psychology	6	181.33
10	Philip L. Roth	Management	I-O Psychology	6	106.67
10	Louis Tay	Psychology	I-O Psychology	6	26.17
10	Michael J. Zickar	Psychology	I-O Psychology	6	77.50
17	Michael T. Brannick	Psychology	Psychology	5	276.00
17	Gilad Chen	Management	I-O Psychology	5	629.80
17	Ann L. Cunliffe	Management	Management	5	139.40
17	Fritz Drasgow	Psychology	Psychometrics	5	39.60
17	David M. Lahuis	Psychology	I-O Psychology	5	52.00
17	Jeremy C. Short	Management	Management	5	134.40
17	Michael C. Sturman	Management	Industrial and Labor Relations	5	224.00
17	Robert J. Vandenberg	Management	Social Psychology	5	1003.80
25	Donald D. Bergh	Management	Business Administration	4	90.00
25	Philip Bobko	Management	Economic and Social Statistics	4	65.50
25	Michael J. Burke	Management	Psychology	4	218.25

25	Kevin D. Carlson	Management	Human Resources	4	100.50
25	David Chan	Psychology	I-O Psychology	4	205.00
25	Rebecca S. Lau	Management	na	4	327.25
25	Daniel A. Newman	Psychology	I-O Psychology	4	171.00
25	Dan Putka	Industry	I-O Psychology	4	34.00
25	Paul E. Spector	Psychology	I-O Psychology	4	898.25
34	Daniel J. Beal	Management	Psychological Science	3	362.67
34	Torsten Biemann	Management	na	3	40.00
34	James M. Conway	Psychology	I-O Psychology	3	324.00
34	Dev K. Dalal	Psychology	I-O Psychology	3	70.33
34	Dan R. Dalton	Management	Strategic Management	3	59.67
34	William P. Dunlap	Psychology	I-O Psychology	3	309.00
34	Jeff W. Johnson	Industry	I-O Psychology	3	209.00
34	Ronald S. Landis	Psychology	I-O Psychology	3	290.00
34	Karen Locke	Management	Organizational Behavior	3	80.33
34	Christopher D. Nye	Psychology	Industrial Organization	3	31.33
34	Frederick L. Oswald	Psychology	Psychology	3	99.33
34	Steven G. Rogelberg	Management	I-O Psychology	3	354.00
34	Paul R. Sackett	Psychology	I-O Psychology	3	25.67
34	Marcia J. Simmering	Management	Organizational Behavior	3	271.33
34	Mo Wang	Management	I-O Psychology	3	109.67
34	Scott Tonidandel	Psychology	I-O Psychology	3	38.33
34	Jeffrey B. Vancouver	Psychology	I-O Psychology	3	26.67
34	Larry J. Williams	Psychology	Organizational Behavior	3	267.33
34	David J. Woehr	Management	I-O Psychology	3	33.00
34	Francis J. Yammarino	Management	Management	3	35.67
34	Michael J. Zyphur	Management	I-O Psychology	3	210.67
55	Mike W. L. Cheung	Psychology	Psychology	2	55.50
55	Eunseong Cho	Management	na	2	59.00
55	Kevin G. Corley	Management	Business Administration	2	849.00
55	Wilfried DeCorte	Other	na	2	4.50

55	Justin A. DeSimone	Management	I-O Psychology	2	11.50
55	Michael J. Gill	Management	Management	2	116.50
55	Scott Highhouse	Psychology	I-O Psychology	2	91.50
55	Timothy R. Hinkin	Management	Organizational Behavior	2	1139.50
55	Michael A. Hitt	Management	Organizational Behavior	2	127.00
55	Andrew T. Jebb	Psychology	I-O Psychology	2	6.50
55	Richard J. Klimoski	Management	Psychology and Business	2	261.00
55	Ming Li	Management	Business Administration	2	48.50
55	Christopher P. Parker	Psychology	I-O Psychology	2	32.00
55	Anshuman Prasad	Management	Management	2	258.00
55	Malcolm James Ree	Management	Psychometrics	2	62.50
55	Roger B. Rensvold	Management	Organizational Behavior	2	74.50
55	Charlie L. Reeve	Psychology	I-O Psychology	2	90.00
55	Christine M. Riordan	Other	Organizational Behavior	2	328.00
55	William M. Rogers	Industry	Economics	2	46.50
55	Mikko Rönkkö	Other	Strategy (Research Methods)	2	82.50
55	Craig J. Russell	Management	Business Administration	2	252.00
55	Steven E. Scullen	Management	Human Resources	2	133.50
55	Gwown Shieh	Management	Statistics	2	58.00
55	Zeki Simsek	Management	Management	2	202.50
55	Caron H. St. John	Management	Management	2	32.50
55	Jeffrey M. Stanton	Other	I-O Psychology	2	467.00
55	Eugene F. Stone-Romero	Management	I-O Psychology	2	137.50
55	J. Bruce Tracey	Management	Organizational Studies	2	227.50

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*Note:* I-O = Industrial-Organizational. Other = Other Academic Department (i.e., not Psychology or Management). na = Authors for whom we were unable to obtain the information. Authors who have the same number of ORM publications are assigned the same rank and listed alphabetically by last name. N = 82 most frequently published authors (i.e., those with two or more articles published in ORM and an authorship credit of 1.00 or greater [Howard et al., 1987] out of a total of 884 who have published at least one article during the 1998-2017 period.) Citations source: Publish or Perish as of May 25, 2018.