

# David E Meyer, Ph D

## List of Publications by Year in descending order

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63  
papers

14,822  
citations

100601

38  
h-index

139680

61  
g-index

66  
all docs

66  
docs citations

66  
times ranked

10926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the reliability of chemical manufacturing life cycle inventory constructed using secondary data. <i>Journal of Industrial Ecology</i> , 2021, 25, 20-35.	2.8	5
2	A decision analysis approach to electronics standard development informed by life cycle assessment using influence diagrams. <i>Journal of Cleaner Production</i> , 2020, 254, 120036.	4.6	6
3	Enhancing life cycle chemical exposure assessment through ontology modeling. <i>Science of the Total Environment</i> , 2020, 712, 136263.	3.9	16
4	Analyzing economy-scale solid waste generation using the United States environmentally-extended input-output model. <i>Resources, Conservation and Recycling</i> , 2020, 157, 104795.	5.3	23
5	New approach methodologies for exposure science. <i>Current Opinion in Toxicology</i> , 2019, 15, 76-92.	2.6	46
6	Purpose-Driven Reconciliation of Approaches to Estimate Chemical Releases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1260-1270.	3.2	14
7	Toward Automated Inventory Modeling in Life Cycle Assessment: The Utility of Semantic Data Modeling to Predict Real-World Chemical Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1961-1976.	3.2	16
8	A process systems framework for rapid generation of life cycle inventories for pollution control and sustainability evaluation. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1543-1561.	2.1	12
9	The Error-Related Negativity. <i>Perspectives on Psychological Science</i> , 2018, 13, 200-204.	5.2	79
10	Cultural Differences in Visual Search for Geometric Figures. <i>Cognitive Science</i> , 2018, 42, 286-310.	0.8	14
11	Reiterated Concerns and Further Challenges for Mindfulness and Meditation Research: A Reply to Davidson and Dahl. <i>Perspectives on Psychological Science</i> , 2018, 13, 66-69.	5.2	30
12	Exploring the relevance of spatial scale to life cycle inventory results using environmentally-extended input-output models of the United States. <i>Environmental Modelling and Software</i> , 2018, 99, 52-57.	1.9	18
13	Mind the Hype: A Critical Evaluation and Prescriptive Agenda for Research on Mindfulness and Meditation. <i>Perspectives on Psychological Science</i> , 2018, 13, 36-61.	5.2	900
14	How to play 20 questions with nature and lose: Reflections on 100 years of brain-training research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9897-9904.	3.3	49
15	From savannas to blue-phase LCD screens: Prospects and perils for child development in the Post-Modern Digital Information Age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9845-9850.	3.3	1
16	Screening-Level Life Cycle Assessment of Graphene-Poly(ether imide) Coatings Protecting Unalloyed Steel from Severe Atmospheric Corrosion. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2656-2667.	3.2	32
17	USEEIO: A new and transparent United States environmentally-extended input-output model. <i>Journal of Cleaner Production</i> , 2017, 158, 308-318.	4.6	118
18	Coupling Computer-Aided Process Simulation and Estimations of Emissions and Land Use for Rapid Life Cycle Inventory Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3786-3794.	3.2	37

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19	Conceptual Framework To Extend Life Cycle Assessment Using Near-Field Human Exposure Modeling and High-Throughput Tools for Chemicals. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11922-11934.	4.6	31
20	High-throughput exposure modeling to support prioritization of chemicals in personal care products. <i>Chemosphere</i> , 2016, 163, 490-498.	4.2	26
21	Mining Available Data from the United States Environmental Protection Agency to Support Rapid Life Cycle Inventory Modeling of Chemical Manufacturing. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9013-9025.	4.6	49
22	A new data architecture for advancing life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 520-526.	2.2	20
23	Semantic priming well established. <i>Science</i> , 2014, 345, 523-523.	6.0	9
24	The use of life cycle tools to support decision making for sustainable nanotechnologies. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 757-772.	2.1	38
25	Life cycle assessment as a tool to enhance the environmental performance of carbon nanotube products: a review. <i>Journal of Cleaner Production</i> , 2012, 26, 37-47.	4.6	106
26	An examination of silver nanoparticles in socks using screening-level life cycle assessment. <i>Journal of Nanoparticle Research</i> , 2011, 13, 147-156.	0.8	68
27	An Examination of Existing Data for the Industrial Manufacture and Use of Nanocomponents and Their Role in the Life Cycle Impact of Nanoproducts. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1256-1263.	4.6	133
28	Representation and execution of vocal motor programs for expert singing of tonal melodies.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2006, 32, 944-963.	0.7	5
29	Executive control of cognitive processes in task switching.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 763-797.	0.7	837
30	Executive-process interactive control: A unified computational theory for answering 20 questions (and more) about cognitive ageing. <i>European Journal of Cognitive Psychology</i> , 2001, 13, 123-164.	1.3	30
31	Virtually Perfect Time Sharing in Dual-Task Performance: Uncorking the Central Cognitive Bottleneck. <i>Psychological Science</i> , 2001, 12, 101-108.	1.8	451
32	Executive-process interactive control: A unified computational theory for answering 20 questions (and more) about cognitive ageing. <i>European Journal of Cognitive Psychology</i> , 2001, 13, 123-164.	1.3	8
33	Aging and the psychological refractory period: Task-coordination strategies in young and old adults.. <i>Psychology and Aging</i> , 2000, 15, 571-595.	1.4	75
34	Concurrent response-selection processes in dual-task performance: Evidence for adaptive executive control of task scheduling.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1999, 25, 791-814.	0.7	107
35	Insights into Working Memory from the Perspective of the EPIC Architecture for Modeling Skilled Perceptual-Motor and Cognitive Human Performance. , 1999, , 183-223.		47
36	A computational theory of executive cognitive processes and multiple-task performance: Part 2. Accounts of psychological refractory-period phenomena.. <i>Psychological Review</i> , 1997, 104, 749-791.	2.7	428

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37	A computational theory of executive cognitive processes and multiple-task performance: Part I. Basic mechanisms.. <i>Psychological Review</i> , 1997, 104, 3-65.	2.7	1,208
38	Predictive engineering models based on the EPIC architecture for a multimodal high-performance human-computer interaction task. <i>ACM Transactions on Computer-Human Interaction</i> , 1997, 4, 230-275.	4.6	82
39	The delta-lambda model: “Yes” for simple movement trajectories; “no” for speed/accuracy tradeoffs. <i>Behavioral and Brain Sciences</i> , 1997, 20, 324-324.	0.4	0
40	Adaptive executive control: Flexible multiple-task performance without pervasive immutable response-selection bottlenecks. <i>Acta Psychologica</i> , 1995, 90, 163-190.	0.7	77
41	A Neural System for Error Detection and Compensation. <i>Psychological Science</i> , 1993, 4, 385-390.	1.8	2,494
42	Spatial and Temporal Characteristics of Rapid Cursor-Positioning Movements with Electromechanical Mice in Human-Computer Interaction. <i>Human Factors</i> , 1993, 35, 431-458.	2.1	96
43	On the transmission of partial information: Inferences from movement-related brain potentials.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1992, 18, 217-232.	0.7	191
44	Analyses of multinomial mixture distributions: New tests for stochastic models of cognition and action.. <i>Psychological Bulletin</i> , 1991, 110, 350-374.	5.5	83
45	Eye-hand coordination: Oculomotor control in rapid aimed limb movements.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1990, 16, 248-267.	0.7	237
46	Vowel similarity, connectionist models, and syllable structure in motor programming of speech. <i>Journal of Memory and Language</i> , 1990, 29, 1-26.	1.1	111
47	Speed and accuracy of saccadic eye movements: Characteristics of impulse variability in the oculomotor system.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1989, 15, 529-543.	0.7	216
48	Modern mental chronometry. <i>Biological Psychology</i> , 1988, 26, 3-67.	1.1	330
49	The dynamics of cognition and action: Mental processes inferred from speed-accuracy decomposition.. <i>Psychological Review</i> , 1988, 95, 183-237.	2.7	225
50	Dynamics of activation in semantic and episodic memory.. <i>Journal of Experimental Psychology: General</i> , 1988, 117, 130-147.	1.5	30
51	Optimality in human motor performance: Ideal control of rapid aimed movements.. <i>Psychological Review</i> , 1988, 95, 340-370.	2.7	1,252
52	Structure and process in semantic memory: New evidence based on speed-accuracy decomposition.. <i>Journal of Experimental Psychology: General</i> , 1987, 116, 3-25.	1.5	64
53	Control of serial order in rapidly spoken syllable sequences. <i>Journal of Memory and Language</i> , 1987, 26, 300-321.	1.1	41
54	The point of no return in choice reaction time: Controlled and ballistic stages of response preparation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1986, 12, 243-258.	0.7	178

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55	Speech production: Motor programming of phonetic features. Journal of Memory and Language, 1985, 24, 3-26.	1.1	111
56	Temporal properties of human information processing: Tests of discrete versus continuous models. Cognitive Psychology, 1985, 17, 445-518.	0.9	83
57	Perceptual-motor processing of phonetic features in speech.. Journal of Experimental Psychology: Human Perception and Performance, 1984, 10, 153-178.	0.7	29
58	Conditions for a Linear Speed-Accuracy Trade-Off in Aimed Movements. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1983, 35, 279-296.	2.3	120
59	Models for the speed and accuracy of aimed movements.. Psychological Review, 1982, 89, 449-482.	2.7	465
60	Functions of graphemic and phonemic codes in visual word-recognition. Memory and Cognition, 1974, 2, 309-321.	0.9	407
61	Correlated operations in searching stored semantic categories.. Journal of Experimental Psychology, 1973, 99, 124-133.	1.5	24
62	Facilitation in recognizing pairs of words: Evidence of a dependence between retrieval operations.. Journal of Experimental Psychology, 1971, 90, 227-234.	1.5	2,544
63	On the representation and retrieval of stored semantic information. Cognitive Psychology, 1970, 1, 242-299.	0.9	218