

David Williamson Shaffer

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

5,939
citations

257101

24
h-index

138251

58
g-index

66
all docs

66
docs citations

66
times ranked

3999
citing authors

#	ARTICLE	IF	CITATIONS
1	Team Cognition in Handoffs: Relating System Factors, Team Cognition Functions and Outcomes in Two Handoff Processes. <i>Human Factors</i> , 2024, 66, 271-293.	2.1	8
2	Epistemic Network Analysis Visualization. <i>Communications in Computer and Information Science</i> , 2022, , 129-143.	0.4	1
3	Quantifying the qualitative: exploring epistemic network analysis as a method to study work system interactions. <i>Ergonomics</i> , 2022, 65, 1434-1449.	1.1	5
4	Stirring a Secret Sauce: A Literature Review on the Conditions and Effects of Authentic Learning. <i>Educational Psychology Review</i> , 2022, 34, 1479-1516.	5.1	10
5	Trajectories in Epistemic Network Analysis. <i>Communications in Computer and Information Science</i> , 2021, , 106-121.	0.4	11
6	How We Code. <i>Communications in Computer and Information Science</i> , 2021, , 62-77.	0.4	24
7	Simplification of Epistemic Networks Using Parsimonious Removal with Interpretive Alignment. <i>Communications in Computer and Information Science</i> , 2021, , 137-151.	0.4	6
8	Safety First: Developing a Model of Expertise in Collaborative Robotics. <i>Communications in Computer and Information Science</i> , 2021, , 304-318.	0.4	2
9	Learning Analytics for a New Epistemological Perspective of Learning. <i>Noson Keikaku Gakkai Ronbunshu</i> , 2021, 1, Inv-p003-Inv-p003.	0.1	5
10	Directed Epistemic Network Analysis. <i>Communications in Computer and Information Science</i> , 2021, , 122-136.	0.4	5
11	Incorporating Sentiment Analysis with Epistemic Network Analysis to Enhance Discourse Analysis of Twitter Data. <i>Communications in Computer and Information Science</i> , 2021, , 375-389.	0.4	6
12	Operationalizing Identity “ Studying Changing Selves in Experimental Learning Environments: A Commentary to the Special Issue. <i>Journal of Experimental Education</i> , 2021, 89, 560-567.	1.6	1
13	The Mathematical Foundations of Epistemic Network Analysis. <i>Communications in Computer and Information Science</i> , 2021, , 91-105.	0.4	27
14	Assessing individual contributions to Collaborative Problem Solving: A network analysis approach. <i>Computers in Human Behavior</i> , 2020, 104, 105876.	5.1	55
15	Diagnostic Activities and Diagnostic Practices in Medical Education and Teacher Education: An Interdisciplinary Comparison. <i>Frontiers in Psychology</i> , 2020, 11, 562665.	1.1	11
16	Evaluating how residents talk and what it means for surgical performance in the simulation lab. <i>American Journal of Surgery</i> , 2020, 220, 37-43.	0.9	13
17	Collaborative or Simply Uncaged? Understanding Human-Cobot Interactions in Automation. , 2020, , .		39
18	iSENS. , 2020, , .		16

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19	SENS: Network analytics to combine social and cognitive perspectives of collaborative learning. Computers in Human Behavior, 2019, 92, 562-577.	5.1	115
20	Understanding when students are activeâ€”thinking through modelingâ€”inâ€”context. British Journal of Educational Technology, 2019, 50, 2346-2364.	3.9	8
21	Teaching practicing surgeons what not to do: An analysis of instruction fluidity during a simulation-based continuing medical education course. Surgery, 2019, 165, 1082-1087.	1.0	5
22	Designing an Interface for Sharing Quantitative Ethnographic Research Data. Communications in Computer and Information Science, 2019, , 334-341.	0.4	2
23	nCoder+: A Semantic Tool for Improving Recall of nCoder Coding. Communications in Computer and Information Science, 2019, , 41-54.	0.4	25
24	Cause and Because: Using Epistemic Network Analysis to Model Causality in the Next Generation Science Standards. Communications in Computer and Information Science, 2019, , 223-233.	0.4	5
25	Using epistemic network analysis to identify targets for educational interventions in trauma team communication. Surgery, 2018, 163, 938-943.	1.0	34
26	Supporting teachers' intervention in students' virtual collaboration using a network based model. , 2018, , .		19
27	Quantifying the qualitative with epistemic network analysis: A human factors case study of task-allocation communication in a primary care team. IJSE Transactions on Healthcare Systems Engineering, 2018, 8, 72-82.	1.2	38
28	The hands and head of a surgeon: Modeling operative competency with multimodal epistemic network analysis. American Journal of Surgery, 2018, 216, 835-840.	0.9	24
29	Why saying what you mean matters: An analysis of trauma team communication. American Journal of Surgery, 2018, 215, 250-254.	0.9	10
30	When coding-and-counting is not enough: using epistemic network analysis (ENA) to analyze verbal data in CSCL research. International Journal of Computer-Supported Collaborative Learning, 2018, 13, 419-438.	1.9	105
31	A network analytic approach to gaze coordination during a collaborative task. Computers in Human Behavior, 2018, 89, 339-348.	5.1	22
32	Annals and Analytics: The Practice of History in the Age of Big Data. Medical History, 2017, 61, 336-339.	0.1	1
33	Dataâ€”enabled cognitive modeling: Validating student engineersâ€™ fuzzy designâ€”based decisionâ€”making in a virtual design problem. Computer Applications in Engineering Education, 2017, 25, 1001-1017.	2.2	1
34	Epistemic Network Analysis: A Worked Example of Theory-Based Learning Analytics. , 2017, , 175-187.		88
35	In Search of Conversational Grain Size: Modeling Semantic Structure using Moving Stanza Windows. Journal of Learning Analytics, 2017, 4, .	1.8	75
36	A Tutorial on Epistemic Network Analysis: Analyzing the Structure of Connections in Cognitive, Social, and Interaction Data. Journal of Learning Analytics, 2016, 3, 9-45.	1.8	320

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37	Teaching health care workers to adopt a systems perspective for improved control and prevention of health care-associated infections. <i>American Journal of Infection Control</i> , 2016, 44, 1360-1364.	1.1	5
38	Stop talking and type: comparing virtual and face-to-face mentoring in an epistemic game. <i>Journal of Computer Assisted Learning</i> , 2015, 31, 606-622.	3.3	10
39	Why Theory Matters More than Ever in the Age of Big Data. <i>Journal of Learning Analytics</i> , 2015, 2, 5-13.	1.8	151
40	A Novel Paradigm for Engineering Education: Virtual Internships With Individualized Mentoring and Assessment of Engineering Thinking. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 024701.	0.6	48
41	EPISTEMIC PERSISTENCE: A SIMULATION-BASED APPROACH TO INCREASING PARTICIPATION OF WOMEN IN ENGINEERING. <i>Journal of Women and Minorities in Science and Engineering</i> , 2014, 20, 211-234.	0.5	25
42	Epistemic trajectories: mentoring in a game design practicum. <i>Instructional Science</i> , 2013, 41, 745-771.	1.1	30
43	Models of Situated Action. , 2012, , 403-432.		24
44	Mentor modeling: the internalization of modeled professional thinking in an epistemic game. <i>Journal of Computer Assisted Learning</i> , 2011, 27, 173-189.	3.3	37
45	Epistemic Network Analysis: A Prototype for 21st-Century Assessment of Learning. <i>International Journal of Learning and Media</i> , 2009, 1, 33-53.	0.4	207
46	SodaConstructing knowledge through exploratoids. <i>Journal of Research in Science Teaching</i> , 2007, 44, 133-153.	2.0	22
47	Toolforthoughts: Reexamining Thinking in the Digital Age. <i>Mind, Culture, and Activity</i> , 2006, 13, 283-300.	1.1	64
48	Epistemic frames for epistemic games. <i>Computers and Education</i> , 2006, 46, 223-234.	5.1	295
49	A Randomized Controlled Trial of Simulation-Based Teaching versus Traditional Instruction in Medicine: A Pilot Study among Clinical Medical Students. <i>Advances in Health Sciences Education</i> , 2006, 11, 33-39.	1.7	73
50	How Computer Games Help Children Learn. , 2006, , .		534
51	Augmented by Reality: The Pedagogical Praxis of Urban Planning as a Pathway to Ecological Thinking. <i>Journal of Educational Computing Research</i> , 2005, 33, 31-52.	3.6	38
52	Video Games and the Future of Learning. <i>Phi Delta Kappan</i> , 2005, 87, 105-111.	0.4	541
53	Learning, Testing, and the Evaluation of Learning Environments in Medicine: Global Performance Assessment in Medical Education. <i>Interactive Learning Environments</i> , 2004, 12, 167-178.	4.4	12
54	What Good are Statistics that Don't Generalize?. <i>Educational Researcher</i> , 2004, 33, 14-25.	3.3	2,043

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55	Pedagogical Praxis: The Professions as Models for Postindustrial Education. Teachers College Record, 2004, 106, 1401-1421.	0.4	67
56	Assessment of a Clinical Performance Evaluation Tool for Use in a Simulator-Based Testing Environment: A Pilot Study. Academic Medicine, 2003, 78, S45-S47.	0.8	55
57	Pedagogical praxis. ACM SIGGROUP Bulletin, 2003, 24, 39-43.	0.4	3
58	“Practicing” Medicine without Risk. Academic Medicine, 2001, 76, 469-472.	0.8	281
59	Designing a computer-based simulator for interventional cardiology training. Catheterization and Cardiovascular Interventions, 2000, 51, 522-527.	0.7	111
60	The Math Studio: Harnessing the Power of the Arts to Teach across Disciplines. Journal of Aesthetic Education, 1999, 33, 99.	0.1	11
61	Title is missing!. Educational Studies in Mathematics, 1998, 37, 97-119.	1.8	56
62	Learning mathematics through design: The anatomy of Escher's world. Journal of Mathematical Behavior, 1997, 16, 95-112.	0.5	34