Jonathan Spector

List of Publications by Year
in descending order

78 papers	2,338 citations	257101 24 h-index	233125 45 g-index
82 all docs	82 docs citations	82 times ranked	2640 citing authors

#	Article	IF	Citations
1	Teacher beliefs and technology integration. Teaching and Teacher Education, 2013, 29, 76-85.	1.6	426
2	Improving Quality of Care for Maternal and Newborn Health: Prospective Pilot Study of the WHO Safe Childbirth Checklist Program. PLoS ONE, 2012, 7, e35151.	1.1	158
3	Prioritization of online instructor roles: implications for competencyâ€based teacher education programs. Distance Education, 2009, 30, 383-397.	2.5	149
4	Research on e-learning in the workplace 2000â€“2012: A bibliometric analysis of the literature. Educational Research Review, 2014, 11, 56-72.	4.1	99
5	Highly integrated model assessment technology and tools. Educational Technology Research and Development, 2010, 58, 3-18.	2.0	89
6	Drug Discovery for Kinetoplastid Diseases: Future Directions. ACS Infectious Diseases, 2019, 5, 152-157.	1.8	78
7	Models and simulations for learning in complex domains: using causal loop diagrams for assessment and evaluation. Computers in Human Behavior, 2001, 17, 517-545.	5.1	69
8	'Helping Babies Breathe' Training in Sub-Saharan Africa: Educational Impact and Learner Impressions. Journal of Tropical Pediatrics, 2013, 59, 180-186.	0.7	61
9	Designing the WHO Safe Childbirth Checklist program to improve quality of care at childbirth. International Journal of Gynecology and Obstetrics, 2013, 122, 164-168.	1.0	61
10	Audit-identified avoidable factors in maternal and perinatal deaths in low resource settings: a systematic review. BMC Pregnancy and Childbirth, 2014, 14, 280.	0.9	57
11	Connecting problem-solving and knowledge-construction processes in a visualization-based learning environment. Computers and Education, 2013, 68, 293-306.	5.1	52
12	Global Health Education for Pediatric Residents: A National Survey. Pediatrics, 2011, 128, e959-e965.	1.0	51
13	Preventing those so-called stillbirths. Bulletin of the World Health Organization, 2008, 86, 315-316.	1.5	51
14	Inquiry and critical thinking skills for the next generation: from artificial intelligence back to human intelligence. Smart Learning Environments, 2019, 6, .	4.3	50
15	Gastric volvulus associated with wandering spleen in a child. Journal of Pediatric Surgery, 2000, 35, 641-642.	0.8	48
16	Remarks on MOOCS and Mini-MOOCS. Educational Technology Research and Development, 2014, 62, 385-392.	2.0	44
17	Fundamental science behind todayâ€™s important medicines. Science Translational Medicine, 2018, 10, .	5.8	38
18	How can organizational learning be modeled and measured?. Evaluation and Program Planning, 2006, 29, 63-69.	0.9	37

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19	Ethics in educational technology: towards a framework for ethical decision making in and for the discipline. Educational Technology Research and Development, 2016, 64, 1003-1011.	2.0	36
20	Using cognitive mapping to foster deeper learning with complex problems in a computer-based environment. Computers in Human Behavior, 2018, 87, 450-458.	5.1	35
21	Effectiveness of the WHO Safe Childbirth Checklist program in reducing severe maternal, fetal, and newborn harm in Uttar Pradesh, India: study protocol for a matched-pair, cluster-randomized controlled trial. Trials, 2016, 17, 576.	0.7	34
22	Rates of motorcycle helmet use and reasons for non-use among adults and children in Luang Prabang, Lao Peopleâ€™s Democratic Republic. BMC Public Health, 2015, 15, 970.	1.2	33
23	Learning before leaping: integration of an adaptive study design process prior to initiation of BetterBirth, a large-scale randomized controlled trial in Uttar Pradesh, India. Implementation Science, 2015, 10, 117.	2.5	32
24	Knowledge management tools for instructional design. Educational Technology Research and Development, 2002, 50, 37-46.	2.0	29
25	ICT in Higher Education: An Exploration of Practices in Malaysian Universities. IEEE Access, 2019, 7, 16892-16908.	2.6	27
26	An editorial on replication studies and scaling up efforts. Educational Technology Research and Development, 2015, 63, 1-4.	2.0	26
27	Cognition and learning in the digital age: Promising research and practice. Computers in Human Behavior, 2008, 24, 249-262.	5.1	25
28	A comprehensive analysis of personalized learning components. Journal of Computers in Education, 2021, 8, 485-503.	5.0	24
29	Global Health Education for Pediatric Residents: Trends, Training Experiences, and Career Choices. Pediatrics, 2019, 143, .	1.0	21
30	Challenges for Educational Technologists in the 21st Century. Education Sciences, 2015, 5, 221-237.	1.4	18
31	Creating engaging courseware using system dynamics. Computers in Human Behavior, 1997, 13, 127-155.	5.1	17
32	The Next Generation Scientist program: capacity-building for future scientific leaders in low- and middle-income countries. BMC Medical Education, 2018, 18, 233.	1.0	17
33	A study of Chinese technical and vocational college teachers' adoption and gratification in new technologies. British Journal of Educational Technology, 2020, 51, 2359-2375.	3.9	17
34	An open-access mobile compatible electronic patient register for rheumatic heart disease ('eRegister') based on the World Heart Federation's framework for patient registers. Cardiovascular Journal of Africa, 2015, 26, 227-233.	0.2	17
35	Computers for social change and community organizing: A review. Computers in Human Behavior, 1994, 10, 411-413.	5.1	15
36	Technologies for intentional learning: Beyond a cognitive perspective. Australian Journal of Education, 2014, 58, 9-22.	0.9	14

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37	Prevalence of rheumatic heart disease in Zambian school children. BMC Cardiovascular Disorders, 2018, 18, 135.	0.7	14
38	Mississippi's Infectious Disease Hotline: A Surveillance and Education Model for Future Disasters. Prehospital and Disaster Medicine, 2009, 24, 11-17.	0.7	12
39	Reconsidering the notion ofdistancein distance education. Distance Education, 2009, 30, 157-161.	2.5	12
40	Access to essential technologies for safe childbirth: a survey of health workers in Africa and Asia. BMC Pregnancy and Childbirth, 2013, 13, 43.	0.9	12
41	Critical Reflections on System Dynamics and Simulation/Gaming. Simulation and Gaming, 2015, 46, 430-444.	1.2	12
42	Computer technologies for modelâ€based collaborative learning: A researchâ€based approach with initial findings. Computer Applications in Engineering Education, 2018, 26, 1383-1392.	2.2	12
43	Philosophical implications for the design of instruction. Instructional Science, 2001, 29, 381-402.	1.1	11
44	Neonatal resuscitation capacity in Nepal. Journal of Paediatrics and Child Health, 2011, 47, 83-86.	0.4	11
45	Practical criteria for maternal near miss needed for low-income settings. Lancet, The, 2013, 382, 504-505.	6.3	11
46	Epidemiology of pharyngitis as reported by Zambian school children and their families: implications for demand-side interventions to prevent rheumatic heart disease. BMC Infectious Diseases, 2017, 17, 473.	1.3	11
47	A programme to increase appropriate usage of benzathine penicillin for management of streptococcal pharyngitis and rheumatic heart disease in Zambia. Cardiovascular Journal of Africa, 2017, 28, 242-247.	0.2	10
48	Cognitively based models of courseware development. Educational Technology Research and Development, 1992, 40, 45-54.	2.0	9
49	A Special Editorial: Educational Implications of the Digital Fabrication Revolution. TechTrends, 2010, 54, 2-5.	1.4	9
50	Anti-malarial prescribing practices in Sudan eight years after introduction of artemisinin-based combination therapies and implications for development of drug resistance. BMC Pharmacology & Toxicology, 2015, 16, 3.	1.0	9
51	Improving outcomes of transported newborns in Panama: impact of a nationwide neonatal provider education program. Journal of Perinatology, 2009, 29, 512-516.	0.9	8
52	Computer-Based Learning Environments for Deeper Learning in Problem-Solving Contexts. Computers in Human Behavior, 2018, 87, 403-405.	5.1	8
53	Applying system dynamics to courseware development. Computers in Human Behavior, 1995, 11, 325-339.	5.1	7
54	Effects of model-centered instruction on effectiveness, efficiency, and engagement with ill-structured problem solving. Instructional Science, 2012, 40, 537-557.	1.1	7

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55	Interactions Between Cognitive Psychology, Educational Technology, and Computing in the Digital Age. Technology, Knowledge and Learning, 2015, 20, 129-131.	3.1	7
56	Smart learning futures: a report from the 3rd US-China smart education conference. Smart Learning Environments, 2018, 5, .	4.3	7
57	Linking analytics data and digital systems for supporting cognition and exploratory learning in 21st Century. Computers in Human Behavior, 2018, 78, 348-350.	5.1	6
58	The role of epistemology in instructional design. Instructional Science, 1998, 26, 193-203.	1.1	5
59	Editorsâ€™ introduction to the special issue on cognition & learning technology. Educational Technology Research and Development, 2009, 57, 721-723.	2.0	5
60	Do frontline health care providers know enough about artemisininâ€“based combination therapy to rationally treat malaria? A cross-sectional survey in Gezira State, Sudan. Malaria Journal, 2015, 14, 131.	0.8	5
61	Digital systems supporting cognition and exploratory learning in twenty-first century: guest editorial. Journal of Computing in Higher Education, 2016, 28, 301-306.	3.9	5
62	Reflections on educational technology research and development. Educational Technology Research and Development, 2017, 65, 1415-1423.	2.0	5
63	Computer-enabled visual creativity: an empirically-based model with implications for learning and instruction. Instructional Science, 2019, 47, 609-625.	1.1	4
64	Coordinated neonatal transport: advancing newborn care in resource-limited settings. Tropical Doctor, 2008, 38, 68-68.	0.2	3
65	Bedside Availability of Prepared Oxytocin and Rapid Administration After Delivery to Prevent Postpartum Hemorrhage: An Observational Study in Karnataka, India. Global Health, Science and Practice, 2015, 3, 300-304.	0.6	3
66	The Flipped K-12 Classroom. Advances in Early Childhood and K-12 Education, 2016, , 38-51.	0.2	3
67	Inside Millennium Development Goal 4. Pediatrics, 2012, 129, 805-808.	1.0	2
68	A Report on the AECT Sponsored Symposium Entitled â€œthe Human-Technology Frontier: Understanding the Learning of Now to Prepare for the Work of the Futureâ€•at the Texas Center for Educational Technology (TCET). TechTrends, 2018, 62, 438-440.	1.4	2
69	Instructional Design Methods and Practice. Lecture Notes in Educational Technology, 2016, , 59-73.	0.5	2
70	Information technologies and the information superhighway: Guest editor's introduction. Computers in Human Behavior, 1997, 13, 111-115.	5.1	1
71	A review of two distance learning books. Evaluation and Program Planning, 2003, 26, 225-228.	0.9	1
72	Special thematic issue on game-based learning. Educational Technology Research and Development, 2008, 56, 509-510.	2.0	1

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73	Special issue on cognition and learning technology. Educational Technology Research and Development, 2010, 58, 1-1.	2.0	1
74	A model-based approach for assessment and motivation. Computer Science and Information Systems, 2012, 9, 893-915.	0.7	1
75	Norwegian perspectives on computing in complex domains: opening remarks. Computers in Human Behavior, 1997, 13, 437-442.	5.1	0
76	The legacy of Steven M. Ross. Educational Technology Research and Development, 2009, 57, 437-438.	2.0	0
77	Optimism vs. Realism with Regard to Educational Technologies. TechTrends, 2017, 61, 510-511.	1.4	0
78	Spatial Distribution of Invasive Pneumococcal Serotypes in West Africa: A Retrospective Analysis to Inform Immunization in Persons with Sickle Cell Disease. Blood, 2018, 132, 3668-3668.	0.6	0