Simon Buckingham Shum

List of Publications by Year
in descending order

154 papers	3,815 citations	201385 27 h-index	243296 44 g-index
162 all docs	162 docs citations	162 times ranked	1914 citing authors

#	Article	IF	Citations
1	How to provide automated feedback on the writing process? A participatory approach to design writing analytics tools. Computer Assisted Language Learning, 2022, 35, 1838-1868.	4.8	13
2	Designing translucent learning analytics with teachers: an elicitation process. Interactive Learning Environments, 2022, 30, 1077-1091.	4.4	23
3	Ethics of AI in Education: Towards a Community-Wide Framework. International Journal of Artificial Intelligence in Education, 2022, 32, 504-526.	3.9	114
4	Moodoo the Tracker: Spatial Classroom Analytics for Characterising Teachers' Pedagogical Approaches. International Journal of Artificial Intelligence in Education, 2022, 32, 1025-1051.	3.9	1
5	Rethinking the entwinement between artificial intelligence and human learning: What capabilities do learners need for a world with AI?. Computers and Education Artificial Intelligence, 2022, 3, 100056.	6.9	32
6	Questioning learning analytics? Cultivating critical engagement as student automated feedback literacy. , 2022, , .		6
7	Classroom Dandelions: Visualising Participant Position, Trajectory and Body Orientation Augments Teachers' Sensemaking. , 2022, , .		3
8	Explainable Artificial Intelligence in education. Computers and Education Artificial Intelligence, 2022, 3, 100074.	6.9	78
9	Recognizing Reflection: Computer-Assisted Analysis of First Year Medical Students' Reflective Writing. Medical Science Educator, 2021, 31, 109-116.	0.7	2
10	What Do You Mean by Collaboration Analytics? A Conceptual Model. Journal of Learning Analytics, 2021, 8, 126-153.	1.8	27
11	Implementing a Novel Software Program to Support Pharmacy Students' Reflective Practice in Scientific Research. American Journal of Pharmaceutical Education, 2021, 85, 8320.	0.7	5
12	What Can Analytics for Teamwork Proxemics Reveal About Positioning Dynamics In Clinical Simulations?. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-24.	2.5	10
13	Modelling Spatial Behaviours in Clinical Team Simulations using Epistemic Network Analysis: Methodology and Teacher Evaluation. , 2021, , .		12
14	Combining factor analysis with writing analytics for the formative assessment of written reflection. Computers in Human Behavior, 2021, 120, 106733.	5.1	16
15	The Moodoo Library: Quantitative Metrics to Model How Teachers Make Use of the Classroom Space by Analysing Indoor Positioning Traces (Extended Abstract). , 2021, , .		0
16	Storytelling With Learner Data: Guiding Student Reflection on Multimodal Team Data. IEEE Transactions on Learning Technologies, 2021, 14, 695-708.	2.2	10
17	Collaborative Learning Analytics. , 2021, , 425-443.		27
18	Where is the teacher? Digital analytics for classroom proxemics. Journal of Computer Assisted Learning, 2020, 36, 741-762.	3.3	12

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19	Educator perspectives on learning analytics in classroom practice. Internet and Higher Education, 2020, 46, 100730.	4.2	45
20	Moodoo: Indoor Positioning Analytics for Characterising Classroom Teaching. Lecture Notes in Computer Science, 2020, , 360-373.	1.0	19
21	From Data to Insights: A Layered Storytelling Approach for Multimodal Learning Analytics. , 2020, , .		39
22	LA-DECK. , 2020, , .		28
23	Towards skills-based curriculum analytics. , 2020, , .		11
24	Teacher Tracking with Integrity. , 2020, 4, 1-27.		22
25	AcaWriter: A Learning Analytics Tool for Formative Feedback on Academic Writing. Journal of Writing Research, 2020, 12, 141-186.	0.6	53
26	Are You Being Rhetorical? A Description of Rhetorical Move Annotation Tools and Open Corpus of Sample Machine-Annotated Rhetorical Moves. Journal of Learning Analytics, 2020, 7, 138-154.	1.8	4
27	Pharmacy Studentsâ€™ Utilization of an Online Tool for Immediate Formative Feedback on Reflective Writing Tasks. American Journal of Pharmaceutical Education, 2019, 83, 6800.	0.7	19
28	Practical ethics for building learning analytics. British Journal of Educational Technology, 2019, 50, 2855-2870.	3.9	72
29	Learning analytics and AI: Politics, pedagogy and practices. British Journal of Educational Technology, 2019, 50, 2785-2793.	3.9	53
30	Human-Centred Learning Analytics. Journal of Learning Analytics, 2019, 6, .	1.8	125
31	Towards Collaboration Translucence. , 2019, , .		52
32	Contextualizable Learning Analytics Design. , 2019, , .		37
33	Inaugural issue perspectives on <i>Information and Learning Sciences</i> as an integral scholarly nexus. Information and Learning Science, 2019, 120, 2-18.	0.8	8
34	Critical Data Studies, Abstraction & Learning Analytics. Journal of Learning Analytics, 2019, 6, .	1.8	10
35	Collocated Collaboration Analytics: Principles and Dilemmas for Mining Multimodal Interaction Data. Human-Computer Interaction, 2019, 34, 1-50.	3.1	38
36	Evaluating Machine Learning Approaches to Classify Pharmacy Studentsâ€™ Reflective Statements. Lecture Notes in Computer Science, 2019, , 220-230.	1.0	19

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37	The Multimodal Matrix as a Quantitative Ethnography Methodology. Communications in Computer and Information Science, 2019, , 26-40.	0.4	13
38	The connected university: connectedness learning across a lifetime. , 2019, , .		2
39	Embracing imperfection in learning analytics. , 2018, , .		46
40	Driving data storytelling from learning design. , 2018, , .		38
41	Designing Academic Writing Analytics for Civil Law Student Self-Assessment. International Journal of Artificial Intelligence in Education, 2018, 28, 1-28.	3.9	29
42	Exploratory versus Explanatory Visual Learning Analytics: Driving Teachersâ€™ Attention through Educational Data Storytelling. Journal of Learning Analytics, 2018, 5, .	1.8	35
43	Mapping learner-data journeys. , 2018, , .		11
44	Where Is the Nurse? Towards Automatically Visualising Meaningful Team Movement in Healthcare Education. Lecture Notes in Computer Science, 2018, , 74-78.	1.0	26
45	Understanding Revisions in Student Writing Through Revision Graphs. Lecture Notes in Computer Science, 2018, , 332-336.	1.0	2
46	Classifying help seeking behaviour in online communities. , 2017, , .		8
47	Connecting data with student support actions in a course. , 2017, , .		5
48	Reflective writing analytics for actionable feedback. , 2017, , .		58
49	Large scale predictive process mining and analytics of university degree course data. , 2017, , .		6
50	Towards mining sequences and dispersion of rhetorical moves in student written texts. , 2017, , .		7
51	Analytics meet patient manikins. , 2017, , .		15
52	Writing analytics literacy. , 2017, , .		1
53	Towards Proximity Tracking and Sensemaking for Supporting Teamwork and Learning. , 2017, , .		6
54	Towards Reflective Writing Analytics: Rationale, Methodology and Preliminary Results. Journal of Learning Analytics, 2017, 4, .	1.8	26

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55	Learning Analytics for Natural User Interfaces: A Framework, Case Studies and a Maturity Analysis. Journal of Learning Analytics, 2017, 4, .	1.8	8
56	Towards data storytelling to support teaching and learning. , 2017, , .		6
57	Modelling Embodied Mobility Teamwork Strategies in a Simulation-Based Healthcare Classroom. , 2017, , .		5
58	Designing for student-facing learning analytics. Australasian Journal of Educational Technology, 2017, 33, .	2.0	33
59	Theory and Learning Analytics. , 2017, , 17-22.		37
60	Towards the Discovery of Learner Metacognition From Reflective Writing. Journal of Learning Analytics, 2016, 3, 22-36.	1.8	35
61	Learning Analytics for 21st Century Competencies. Journal of Learning Analytics, 2016, 3, 6-21.	1.8	84
62	Critical perspectives on writing analytics. , 2016, , .		13
63	Interactive surfaces and learning analytics. , 2016, , .		25
64	Reflecting on reflective writing analytics. , 2016, , .		27
65	The connected learning analytics toolkit. , 2016, , .		7
66	Towards automated content analysis of discussion transcripts. , 2016, , .		69
67	On online collaboration and construction of shared knowledge: Assessing mediation capability in computer supported argument visualization tools. Journal of the Association for Information Science and Technology, 2016, 67, 1052-1067.	1.5	17
68	Correlations between automated rhetorical analysis and tutors' grades on student essays. , 2015, , .		6
69	Epistemology, Assessment, Pedagogy: Where Learning Meets Analytics in the Middle Space. Journal of Learning Analytics, 2014, 1, .	1.8	103
70	Constructing Knowledge Art: An Experiential Perspective on Crafting Participatory Representations. Synthesis Lectures on Human-Centered Informatics, 2014, 7, 1-119.	0.4	4
71	Visual analytics of academic writing. , 2014, , .		7
72	Socially augmented argumentation tools: Rationale, design and evaluation of a debate dashboard. International Journal of Human Computer Studies, 2014, 72, 298-319.	3.7	37

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73	A cognitive processing framework for learning analytics. , 2014, , .		12
74	DCLA14. , 2014, , .		1
75	New Ways of Deliberating Online: An Empirical Comparison of Network and Threaded Interfaces for Online Discussion. Lecture Notes in Computer Science, 2014, , 90-101.	1.0	4
76	Human-Agent Knowledge Cartography for e-Science: NASA Field Trials at the Mars Desert Research Station. Advanced Information and Knowledge Processing, 2014, , 381-399.	0.2	0
77	Constructing Knowldge Art: An Experiential Perspective on Crafting Participatory Representations. Synthesis Lectures on Human-Centered Informatics, 2014, 7, 1-119.	0.4	2
78	Educational data scientists. , 2013, , .		16
79	DCLA13. , 2013, , .		3
80	Visualizing social learning ties by type and topic. , 2013, , .		13
81	An evaluation of learning analytics to identify exploratory dialogue in online discussions. , 2013, , .		25
82	Epistemology, pedagogy, assessment and learning analytics. , 2013, , .		26
83	Factors That Influence Healthcare Professionalsâ€™ Online Interaction in a Virtual Community of Practice. Social Networking, 2013, 02, 174-184.	0.3	15
84	The Practice Level in Participatory Design Rationale: Studying Practitioner Moves and Choices. , 2013, , 287-325.		2
85	Improving Knowledge Management by Supporting Asynchronous Communications with a Debate Dashboard. International Journal of Information Systems and Social Change, 2013, 4, 26-44.	0.1	1
86	Social learning analytics. , 2012, , .		194
87	Cohere and XIP. , 2012, , .		0
88	Collective intelligence as community discourse and action. , 2012, , .		5
89	Mapping the Matrix: Using Compendium as a Tool for Recording the Analytic Group. Group Analysis, 2012, 45, 99-115.	0.2	2
90	Learning dispositions and transferable competencies. , 2012, , .		118

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91	A debate dashboard to enhance online knowledge sharing. VINE: the Journal of Information and Knowledge Management Systems, 2012, 42, 67-93.	1.0	7
92	Educational data mining meets learning analytics. , 2012, , .		10
93	Connecting levels and methods of analysis in networked learning communities. , 2012, , .		2
94	Towards a global participatory platform. European Physical Journal: Special Topics, 2012, 214, 109-152.	1.2	60
95	The FuturICT education accelerator. European Physical Journal: Special Topics, 2012, 214, 215-243.	1.2	11
96	Towards a Social Learning Space for Open Educational Resources. Advances in Higher Education and Professional Development Book Series, 2012, , 309-327.	0.1	12
97	Contested Collective Intelligence: Rationale, Technologies, and a Human-Machine Annotation Study. Computer Supported Cooperative Work, 2012, 21, 417-448.	1.9	45
98	Using Social Network Analysis to Support Collective Decision-Making Process. International Journal of Decision Support System Technology, 2011, 3, 15-31.	0.4	29
99	Discourse-centric learning analytics. , 2011, , .		71
100	Learning analytics to identify exploratory dialogue within synchronous text chat. , 2011, , .		37
101	The Practice Level in Participatory Design Rationale: Studying Practitioner Moves and Choices. Human Technology, 2010, 6, 71-105.	0.4	8
102	Knowledge Media Tools to Foster Social Learning. , 2010, , 864-884.		0
103	Dancing on the Grid: using e-Science tools to extend choreographic research. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2793-2806.	1.6	13
104	Knowledge Media Tools to Foster Social Learning. , 2009, , 357-380.		3
105	Evidence€based Dialogue Maps as a research tool to investigate the quality of school pupils€™ scientific argumentation. International Journal of Research and Method in Education, 2008, 31, 291-315.	1.1	15
106	Knowledge Cartography for Controversies: The Iraq Debate. Advanced Information and Knowledge Processing, 2008, , 249-265.	0.2	4
107	Human-Agent Knowledge Cartography for e-Science: NASA Field Trials at the Mars Desert Research Station. Advanced Information and Knowledge Processing, 2008, , 287-305.	0.2	8
108	Knowledge Cartography for Open Sensemaking Communities. Journal of Interactive Media in Education, 2008, 2008, 10.	1.1	9

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109	There's Nothing Like a Good Argument .... IEEE Software, 2007, 24, 21-23.	2.1	1
110	Modeling naturalistic argumentation in research literatures: Representation and interaction design issues. International Journal of Intelligent Systems, 2007, 22, 17-47.	3.3	22
111	Hypermedia Discourse: Contesting Networks of Ideas and Arguments. Lecture Notes in Computer Science, 2007, , 29-44.	1.0	2
112	Memetic: Semantic Meeting Memory. , 2006, , .		1
113	Sensemaking tools for understanding research literatures: Design, implementation and user evaluation. International Journal of Human Computer Studies, 2006, 64, 420-445.	3.7	45
114	Modelling discourse in contested domains: A semiotic and cognitive framework. International Journal of Human Computer Studies, 2006, 64, 1154-1171.	3.7	34
115	Hypermedia Support for Argumentation-Based Rationale. , 2006, , 111-132.		3
116	Hypermedia Support for Argumentation-Based Rationale. , 2006, , 111-132.		61
117	ClaimSpotter. , 2005, , .		14
118	COLLABORATION IN THE SEMANTIC GRID: A BASIS FOR e-LEARNING. Applied Artificial Intelligence, 2005, 19, 881-904.	2.0	19
119	Hypermedia as a productivity tool for doctoral research. New Review of Hypermedia and Multimedia, 2005, 11, 91-101.	0.9	11
120	Automating CapCom Using Mobile Agents and Robotic Assistants. , 2005, , .		20
121	Towards 'cinematic' hypertext. , 2004, , .		5
122	Semi-automatic annotation of contested knowledge on the world wide web. , 2004, , .		3
123	Semantic Annotation Support in the Absence of Consensus. Lecture Notes in Computer Science, 2004, , 357-371.	1.0	1
124	Scholarly publishing and argument in hyperspace. , 2003, , .		12
125	The Roots of Computer Supported Argument Visualization. Computer Supported Cooperative Work / Series Ed By: Dan Diaper and Colston Sanger, 2003, , 3-24.	1.1	64
126	Visualizing Internetworked Argumentation. Computer Supported Cooperative Work / Series Ed By: Dan Diaper and Colston Sanger, 2003, , 185-204.	1.1	15

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127	Rapid knowledge construction: a case study in corporate contingency planning using collaborative hypermedia. Knowledge and Process Management, 2002, 9, 119-128.	2.9	13
128	ClaiMaker: Weaving a Semantic Web of Research Papers. Lecture Notes in Computer Science, 2002, , 436-441.	1.0	18
129	JIME:an interactive journal for interactive media. Learned Publishing, 2001, 14, 273-285.	0.8	3
130	Facilitated hypertext for collective sensemaking. , 2001, , .		67
131	Cognitive coherence relations and hypertext. , 2001, , .		8
132	Ontology-driven Knowledge Management: Philosophical, Modelling and Organizational Issues. , 2001, , 265-280.		1
133	Supporting ontology driven document enrichment within communities of practice. , 2001, , .		14
134	JIME: An interactive journal for interactive media. First Monday, 2001, 6, .	0.6	10
135	Ontology-driven document enrichment: principles, tools and applications. International Journal of Human Computer Studies, 2000, 52, 1071-1109.	3.7	54
136	ScholOnto: an ontology-based digital library server for research documents and discourse. International Journal on Digital Libraries, 2000, 3, 237-248.	1.1	88
137	Scholarly Discourse as Computable Structure. Lecture Notes in Computer Science, 2000, , 120-128.	1.0	5
138	Workshop report: computer-supported collaborative argumentation for learning communities. SIGWEB Newsletter: the Newsletter of ACM's Special Interest Group on Hypertext and Hypermedia, 2000, 9, 27-30.	0.5	7
139	Carol Tenopir and Donald King (1999) Towards Electronic Journals: Realities for Scientists, Librarians and Publishers . Book review by Simon Buckingham Shum. Journal of Interactive Media in Education, 2000, 2000, 4.	1.1	42
140	Representing Scholarly Claims in Internet Digital Libraries: A Knowledge Modelling Approach. Lecture Notes in Computer Science, 1999, , 423-442.	1.0	4
141	Training software engineers in a novel usability evaluation technique. International Journal of Human Computer Studies, 1998, 49, 245-279.	3.7	13
142	From documents to discourse. , 1998, , .		38
143	Negotiating the Construction of Organisational Memories. , 1998, , 55-78.		15
144	Educational Authoring Tools and the Educational Object Economy: Introduction to this Special Issue from the East/West Group. Journal of Interactive Media in Education, 1998, 1998, 10.	1.1	13

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145	Graphical Argumentation and Design Cognition. Human-Computer Interaction, 1997, 12, 267-300.	3.1	95
146	World Wide Web usability: introduction to this special issue. International Journal of Human Computer Studies, 1997, 47, 1-4.	3.7	33
147	Multidisciplinary Modelling for User-Centred System Design: An Air-traffic Control Case Study. , 1996, , 201-219.		6
148	Multidisciplinary modelling in HCI designâ€¦in theory and in practice. , 1995, , .		29
149	Communicating HCI modelling to practitioners. , 1994, , .		1
150	Argumentation-based design rationale: what use at what cost?. International Journal of Human Computer Studies, 1994, 40, 603-652.	3.7	184
151	Delivering HCI modelling to designers: a framework and case study of cognitive modelling. Interacting With Computers, 1994, 6, 311-313.	1.0	2
152	Delivering HCI modelling to designers: A framework and case study of cognitive modelling. Interacting With Computers, 1994, 6, 314-341.	1.0	7
153	Transferring HCI Modelling and Design Techniques to Practitioners: A Framework and Empirical Work. , 0, , 21-36.		6
154	Using Social Network Analysis to Support Collective Decision-Making Process. , 0, , 87-103.		1