

Simon Buckingham Shum

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5427372/publications.pdf>

Version: 2024-02-01

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	Social learning analytics. , 2012, , .		194
2	Argumentation-based design rationale: what use at what cost?. International Journal of Human Computer Studies, 1994, 40, 603-652.	3.7	184
3	Human-Centred Learning Analytics. Journal of Learning Analytics, 2019, 6, .	1.8	125
4	Learning dispositions and transferable competencies. , 2012, , .		118
5	Ethics of AI in Education: Towards a Community-Wide Framework. International Journal of Artificial Intelligence in Education, 2022, 32, 504-526.	3.9	114
6	Epistemology, Assessment, Pedagogy: Where Learning Meets Analytics in the Middle Space. Journal of Learning Analytics, 2014, 1, .	1.8	103
7	Graphical Argumentation and Design Cognition. Human-Computer Interaction, 1997, 12, 267-300.	3.1	95
8	ScholOnto: an ontology-based digital library server for research documents and discourse. International Journal on Digital Libraries, 2000, 3, 237-248.	1.1	88
9	Learning Analytics for 21st Century Competencies. Journal of Learning Analytics, 2016, 3, 6-21.	1.8	84
10	Explainable Artificial Intelligence in education. Computers and Education Artificial Intelligence, 2022, 3, 100074.	6.9	78
11	Practical ethics for building learning analytics. British Journal of Educational Technology, 2019, 50, 2855-2870.	3.9	72
12	Discourse-centric learning analytics. , 2011, , .		71
13	Towards automated content analysis of discussion transcripts. , 2016, , .		69
14	Facilitated hypertext for collective sensemaking. , 2001, , .		67
15	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
16	Hypermedia Support for Argumentation-Based Rationale. , 2006, , 111-132.		61
17	Towards a global participatory platform. European Physical Journal: Special Topics, 2012, 214, 109-152.	1.2	60
18	Reflective writing analytics for actionable feedback. , 2017, , .		58

#	ARTICLE	IF	CITATIONS
19	Ontology-driven document enrichment: principles, tools and applications. International Journal of Human Computer Studies, 2000, 52, 1071-1109.	3.7	54
20	Learning analytics and AI: Politics, pedagogy and practices. British Journal of Educational Technology, 2019, 50, 2785-2793.	3.9	53
21	AcaWriter: A Learning Analytics Tool for Formative Feedback on Academic Writing. Journal of Writing Research, 2020, 12, 141-186.	0.6	53
22	Towards Collaboration Translucence. , 2019, , .		52
23	Embracing imperfection in learning analytics. , 2018, , .		46
24	Sensemaking tools for understanding research literatures: Design, implementation and user evaluation. International Journal of Human Computer Studies, 2006, 64, 420-445.	3.7	45
25	Contested Collective Intelligence: Rationale, Technologies, and a Human-Machine Annotation Study. Computer Supported Cooperative Work, 2012, 21, 417-448.	1.9	45
26	Educator perspectives on learning analytics in classroom practice. Internet and Higher Education, 2020, 46, 100730.	4.2	45
27	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
28	From Data to Insights: A Layered Storytelling Approach for Multimodal Learning Analytics. , 2020, , .		39
29	From documents to discourse. , 1998, , .		38
30	Driving data storytelling from learning design. , 2018, , .		38
31	Collocated Collaboration Analytics: Principles and Dilemmas for Mining Multimodal Interaction Data. Human-Computer Interaction, 2019, 34, 1-50.	3.1	38
32	Learning analytics to identify exploratory dialogue within synchronous text chat. , 2011, , .		37
33	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
34	Contextualizable Learning Analytics Design. , 2019, , .		37
35	Theory and Learning Analytics. , 2017, , 17-22.		37
36	Towards the Discovery of Learner Metacognition From Reflective Writing. Journal of Learning Analytics, 2016, 3, 22-36.	1.8	35

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37	Exploratory versus Explanatory Visual Learning Analytics: Driving Teachers'™ Attention through Educational Data Storytelling. <i>Journal of Learning Analytics</i> , 2018, 5, .	1.8	35
38	Modelling discourse in contested domains: A semiotic and cognitive framework. <i>International Journal of Human Computer Studies</i> , 2006, 64, 1154-1171.	3.7	34
39	World Wide Web usability: introduction to this special issue. <i>International Journal of Human Computer Studies</i> , 1997, 47, 1-4.	3.7	33
40	Designing for student-facing learning analytics. <i>Australasian Journal of Educational Technology</i> , 2017, 33, .	2.0	33
41	Rethinking the entwinement between artificial intelligence and human learning: What capabilities do learners need for a world with AI?. <i>Computers and Education Artificial Intelligence</i> , 2022, 3, 100056.	6.9	32
42	Multidisciplinary modelling in HCI design in theory and in practice. , 1995, , .		29
43	Using Social Network Analysis to Support Collective Decision-Making Process. <i>International Journal of Decision Support System Technology</i> , 2011, 3, 15-31.	0.4	29
44	Designing Academic Writing Analytics for Civil Law Student Self-Assessment. <i>International Journal of Artificial Intelligence in Education</i> , 2018, 28, 1-28.	3.9	29
45	LA-DECK. , 2020, , .		28
46	Reflecting on reflective writing analytics. , 2016, , .		27
47	What Do You Mean by Collaboration Analytics? A Conceptual Model. <i>Journal of Learning Analytics</i> , 2021, 8, 126-153.	1.8	27
48	Collaborative Learning Analytics. , 2021, , 425-443.		27
49	Epistemology, pedagogy, assessment and learning analytics. , 2013, , .		26
50	Towards Reflective Writing Analytics: Rationale, Methodology and Preliminary Results. <i>Journal of Learning Analytics</i> , 2017, 4, .	1.8	26
51	Where Is the Nurse? Towards Automatically Visualising Meaningful Team Movement in Healthcare Education. <i>Lecture Notes in Computer Science</i> , 2018, , 74-78.	1.0	26
52	An evaluation of learning analytics to identify exploratory dialogue in online discussions. , 2013, , .		25
53	Interactive surfaces and learning analytics. , 2016, , .		25
54	Designing translucent learning analytics with teachers: an elicitation process. <i>Interactive Learning Environments</i> , 2022, 30, 1077-1091.	4.4	23

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55	Modeling naturalistic argumentation in research literatures: Representation and interaction design issues. <i>International Journal of Intelligent Systems</i> , 2007, 22, 17-47.	3.3	22
56	Teacher Tracking with Integrity. , 2020, 4, 1-27.		22
57	Automating CapCom Using Mobile Agents and Robotic Assistants. , 2005, , .		20
58	COLLABORATION IN THE SEMANTIC GRID: A BASIS FOR e-LEARNING. <i>Applied Artificial Intelligence</i> , 2005, 19, 881-904.	2.0	19
59	Pharmacy Studentsâ€™ Utilization of an Online Tool for Immediate Formative Feedback on Reflective Writing Tasks. <i>American Journal of Pharmaceutical Education</i> , 2019, 83, 6800.	0.7	19
60	Evaluating Machine Learning Approaches to Classify Pharmacy Studentsâ€™ Reflective Statements. <i>Lecture Notes in Computer Science</i> , 2019, , 220-230.	1.0	19
61	Moodoo: Indoor Positioning Analytics for Characterising Classroom Teaching. <i>Lecture Notes in Computer Science</i> , 2020, , 360-373.	1.0	19
62	ClaiMaker: Weaving a Semantic Web of Research Papers. <i>Lecture Notes in Computer Science</i> , 2002, , 436-441.	1.0	18
63	On online collaboration and construction of shared knowledge: Assessing mediation capability in computer supported argument visualization tools. <i>Journal of the Association for Information Science and Technology</i> , 2016, 67, 1052-1067.	1.5	17
64	Educational data scientists. , 2013, , .		16
65	Combining factor analysis with writing analytics for the formative assessment of written reflection. <i>Computers in Human Behavior</i> , 2021, 120, 106733.	5.1	16
66	Evidenceâ€based Dialogue Maps as a research tool to investigate the quality of school pupilsâ€™ scientific argumentation. <i>International Journal of Research and Method in Education</i> , 2008, 31, 291-315.	1.1	15
67	Analytics meet patient manikins. , 2017, , .		15
68	Visualizing Internetworked Argumentation. <i>Computer Supported Cooperative Work / Series Ed By: Dan Diaper and Colston Sanger</i> , 2003, , 185-204.	1.1	15
69	Negotiating the Construction of Organisational Memories. , 1998, , 55-78.		15
70	Factors That Influence Healthcare Professionalsâ€™ Online Interaction in a Virtual Community of Practice. <i>Social Networking</i> , 2013, 02, 174-184.	0.3	15
71	ClaimSpotter. , 2005, , .		14
72	Supporting ontology driven document enrichment within communities of practice. , 2001, , .		14

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73	Training software engineers in a novel usability evaluation technique. <i>International Journal of Human Computer Studies</i> , 1998, 49, 245-279.	3.7	13
74	Rapid knowledge construction: a case study in corporate contingency planning using collaborative hypermedia. <i>Knowledge and Process Management</i> , 2002, 9, 119-128.	2.9	13
75	Dancing on the Grid: using e-Science tools to extend choreographic research. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2793-2806.	1.6	13
76	Visualizing social learning ties by type and topic. , 2013, , .		13
77	Critical perspectives on writing analytics. , 2016, , .		13
78	How to provide automated feedback on the writing process? A participatory approach to design writing analytics tools. <i>Computer Assisted Language Learning</i> , 2022, 35, 1838-1868.	4.8	13
79	The Multimodal Matrix as a Quantitative Ethnography Methodology. <i>Communications in Computer and Information Science</i> , 2019, , 26-40.	0.4	13
80	Educational Authoring Tools and the Educational Object Economy: Introduction to this Special Issue from the East/West Group. <i>Journal of Interactive Media in Education</i> , 1998, 1998, 10.	1.1	13
81	Scholarly publishing and argument in hyperspace. , 2003, , .		12
82	Towards a Social Learning Space for Open Educational Resources. <i>Advances in Higher Education and Professional Development Book Series</i> , 2012, , 309-327.	0.1	12
83	A cognitive processing framework for learning analytics. , 2014, , .		12
84	Where is the teacher? Digital analytics for classroom proxemics. <i>Journal of Computer Assisted Learning</i> , 2020, 36, 741-762.	3.3	12
85	Modelling Spatial Behaviours in Clinical Team Simulations using Epistemic Network Analysis: Methodology and Teacher Evaluation. , 2021, , .		12
86	Hypermedia as a productivity tool for doctoral research. <i>New Review of Hypermedia and Multimedia</i> , 2005, 11, 91-101.	0.9	11
87	The FuturICT education accelerator. <i>European Physical Journal: Special Topics</i> , 2012, 214, 215-243.	1.2	11
88	Mapping learner-data journeys. , 2018, , .		11
89	Towards skills-based curriculum analytics. , 2020, , .		11
90	Educational data mining meets learning analytics. , 2012, , .		10

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91	Critical Data Studies, Abstraction & Learning Analytics. Journal of Learning Analytics, 2019, 6, .	1.8	10
92	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
93	JIME: An interactive journal for interactive media. First Monday, 2001, 6, .	0.6	10
94	Storytelling With Learner Data: Guiding Student Reflection on Multimodal Team Data. IEEE Transactions on Learning Technologies, 2021, 14, 695-708.	2.2	10
95	Knowledge Cartography for Open Sensemaking Communities. Journal of Interactive Media in Education, 2008, 2008, 10.	1.1	9
96	Cognitive coherence relations and hypertext. , 2001, , .		8
97	Classifying help seeking behaviour in online communities. , 2017, , .		8
98	Learning Analytics for Natural User Interfaces: A Framework, Case Studies and a Maturity Analysis. Journal of Learning Analytics, 2017, 4, .	1.8	8
99	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
100	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
101	The Practice Level in Participatory Design Rationale: Studying Practitioner Moves and Choices. Human Technology, 2010, 6, 71-105.	0.4	8
102	Delivering HCI modelling to designers: A framework and case study of cognitive modelling. Interacting With Computers, 1994, 6, 314-341.	1.0	7
103	A debate dashboard to enhance online knowledge sharing. VINE: the Journal of Information and Knowledge Management Systems, 2012, 42, 67-93.	1.0	7
104	Visual analytics of academic writing. , 2014, , .		7
105	The connected learning analytics toolkit. , 2016, , .		7
106	Towards mining sequences and dispersion of rhetorical moves in student written texts. , 2017, , .		7
107	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
108	Transferring HCI Modelling and Design Techniques to Practitioners: A Framework and Empirical Work. , 0, , 21-36.		6

#	ARTICLE	IF	CITATIONS
109	Correlations between automated rhetorical analysis and tutors' grades on student essays. , 2015, , .		6
110	Large scale predictive process mining and analytics of university degree course data. , 2017, , .		6
111	Towards Proximity Tracking and Sensemaking for Supporting Teamwork and Learning. , 2017, , .		6
112	Towards data storytelling to support teaching and learning. , 2017, , .		6
113	Multidisciplinary Modelling for User-Centred System Design: An Air-traffic Control Case Study. , 1996, , 201-219.		6
114	Questioning learning analytics? Cultivating critical engagement as student automated feedback literacy. , 2022, , .		6
115	Towards 'cinematic' hypertext. , 2004, , .		5
116	Collective intelligence as community discourse and action. , 2012, , .		5
117	Connecting data with student support actions in a course. , 2017, , .		5
118	Modelling Embodied Mobility Teamwork Strategies in a Simulation-Based Healthcare Classroom. , 2017, , .		5
119	Implementing a Novel Software Program to Support Pharmacy Studentsâ€™ Reflective Practice in Scientific Research. American Journal of Pharmaceutical Education, 2021, 85, 8320.	0.7	5
120	Scholarly Discourse as Computable Structure. Lecture Notes in Computer Science, 2000, , 120-128.	1.0	5
121	Constructing Knowledge Art: An Experiential Perspective on Crafting Participatory Representations. Synthesis Lectures on Human-Centered Informatics, 2014, 7, 1-119.	0.4	4
122	Representing Scholarly Claims in Internet Digital Libraries: A Knowledge Modelling Approach. Lecture Notes in Computer Science, 1999, , 423-442.	1.0	4
123	Knowledge Cartography for Controversies: The Iraq Debate. Advanced Information and Knowledge Processing, 2008, , 249-265.	0.2	4
124	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
125	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
126	JIME:an interactive journal for interactive media. Learned Publishing, 2001, 14, 273-285.	0.8	3

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127	Semi-automatic annotation of contested knowledge on the world wide web. , 2004, , .		3
128	DCLA13. , 2013, , .		3
129	Hypermedia Support for Argumentation-Based Rationale. , 2006, , 111-132.		3
130	Knowledge Media Tools to Foster Social Learning. , 2009, , 357-380.		3
131	Classroom Dandelions: Visualising Participant Position, Trajectory and Body Orientation Augments Teachersâ€™ Sensemaking. , 2022, , .		3
132	Delivering HCI modelling to designers: a framework and case study of cognitive modelling. Interacting With Computers, 1994, 6, 311-313.	1.0	2
133	Mapping the Matrix: Using Compendium as a Tool for Recording the Analytic Group. Group Analysis, 2012, 45, 99-115.	0.2	2
134	Connecting levels and methods of analysis in networked learning communities. , 2012, , .		2
135	Recognizing Reflection: Computer-Assisted Analysis of First Year Medical Studentsâ€™ Reflective Writing. Medical Science Educator, 2021, 31, 109-116.	0.7	2
136	The connected university: connectedness learning across a lifetime. , 2019, , .		2
137	The Practice Level in Participatory Design Rationale: Studying Practitioner Moves and Choices. , 2013, , 287-325.		2
138	Constructing Knowledge Art: An Experiential Perspective on Crafting Participatory Representations. Synthesis Lectures on Human-Centered Informatics, 2014, 7, 1-119.	0.4	2
139	Understanding Revisions in Student Writing Through Revision Graphs. Lecture Notes in Computer Science, 2018, , 332-336.	1.0	2
140	Hypermedia Discourse: Contesting Networks of Ideas and Arguments. Lecture Notes in Computer Science, 2007, , 29-44.	1.0	2
141	Communicating HCI modelling to practitioners. , 1994, , .		1
142	Memetic: Semantic Meeting Memory. , 2006, , .		1
143	There's Nothing Like a Good Argument IEEE Software, 2007, 24, 21-23.	2.1	1
144	DCLA14. , 2014, , .		1

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145	Writing analytics literacy. , 2017, , .		1
146	Ontology-driven Knowledge Management: Philosophical, Modelling and Organizational Issues. , 2001, , 265-280.		1
147	Semantic Annotation Support in the Absence of Consensus. Lecture Notes in Computer Science, 2004, , 357-371.	1.0	1
148	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
149	Moodoo the Tracker: Spatial Classroom Analytics for Characterising Teachersâ€™ Pedagogical Approaches. International Journal of Artificial Intelligence in Education, 2022, 32, 1025-1051.	3.9	1
150	Using Social Network Analysis to Support Collective Decision-Making Process. , 0, , 87-103.		1
151	Cohere and XIP. , 2012, , .		0
152	The Moodoo Library: Quantitative Metrics to Model How Teachers Make Use of the Classroom Space by Analysing Indoor Positioning Traces (Extended Abstract). , 2021, , .		0
153	Knowledge Media Tools to Foster Social Learning. , 2010, , 864-884.		0
154	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