

Niall Seery

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

461
citations

840728

11
h-index

794568

19
g-index

52
all docs

52
docs citations

52
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	A Heuristic Framework of Spatial Ability: a Review and Synthesis of Spatial Factor Literature to Support its Translation into STEM Education. <i>Educational Psychology Review</i> , 2018, 30, 947-972.	8.4	91
2	Promoting deep learning in a teacher education programme through self- and peer-assessment and feedback. <i>European Journal of Teacher Education</i> , 2012, 35, 179-197.	3.7	69
3	The validity and value of peer assessment using adaptive comparative judgement in design driven practical education. <i>International Journal of Technology and Design Education</i> , 2012, 22, 205-226.	2.6	55
4	Investigating the use of spatial reasoning strategies in geometric problem solving. <i>International Journal of Technology and Design Education</i> , 2019, 29, 341-362.	2.6	37
5	Visualization, inductive reasoning, and memory span as components of fluid intelligence: Implications for technology education. <i>International Journal of Educational Research</i> , 2018, 90, 64-77.	2.2	24
6	Reconceptualising PCK research in D&T education: proposing a methodological framework to investigate enacted practice. <i>International Journal of Technology and Design Education</i> , 2019, 29, 473-491.	2.6	16
7	Spatial cognition in engineering education: developing a spatial ability framework to support the translation of theory into practice. <i>European Journal of Engineering Education</i> , 2019, 44, 164-178.	2.3	15
8	Agendas, influences, and capability: Perspectives on practice in design and technology education. <i>International Journal of Technology and Design Education</i> , 2019, 29, 143-159.	2.6	14
9	Implicit theories of intelligence in STEM education: perspectives through the lens of technology education students. <i>International Journal of Technology and Design Education</i> , 2019, 29, 75-106.	2.6	14
10	Exploring problem conceptualization and performance in STEM problem solving contexts. <i>Instructional Science</i> , 2020, 48, 395-425.	2.0	14
11	Integrating learners into the assessment process using adaptive comparative judgement with an ipsative approach to identifying competence based gains relative to student ability levels. <i>International Journal of Technology and Design Education</i> , 2019, 29, 701-715.	2.6	12
12	The importance of supporting technological knowledge in post-primary education: a cohort study. <i>Research in Science and Technological Education</i> , 2019, 37, 36-53.	2.5	12
13	Exploring the Use of Electroencephalography to Gather Objective Evidence of Cognitive Processing During Problem Solving. <i>Journal of Science Education and Technology</i> , 2018, 27, 114-130.	3.9	11
14	Operationalising pedagogical content knowledge research in technology education: Considerations for methodological approaches to exploring enacted practice. <i>British Educational Research Journal</i> , 2019, 45, 755-769.	2.5	8
15	Heuristics and CAD modelling: an examination of student behaviour during problem solving episodes within CAD modelling activities. <i>International Journal of Technology and Design Education</i> , 2018, 28, 939-956.	2.6	7
16	Framing the constructive alignment of design within technology subjects in general education. <i>International Journal of Technology and Design Education</i> , 2021, 31, 867-883.	2.6	7
17	Modelling as a Form of Critique. <i>Contemporary Issues in Technology Education</i> , 2017, , 255-273.	0.5	7
18	The experiential domain: developing a model for enhancing practice in D&T education. <i>International Journal of Technology and Design Education</i> , 2018, 28, 85-99.	2.6	5

#	ARTICLE	IF	CITATIONS
19	The Role of Observational Sketching in Forming and Manipulating Graphical Libraries. , 0, , .		5
20	Student interests and undergraduate performance: the importance of studentâ€™course alignment. Irish Educational Studies, 2011, 30, 345-363.	2.5	4
21	An exploration of the variables contributing to graphical education studentsâ€™ CAD modelling capability. International Journal of Technology and Design Education, 2020, 30, 389-411.	2.6	4
22	An exploration into the criteria used in assessing design activities with adaptive comparative judgment in technology education. Irish Educational Studies, 2020, , 1-19.	2.5	4
23	Assessment and Learning: The Proximal and Distal Effects of Comparative Judgment. Encyclopedia of Earth Sciences Series, 2017, , 1-14.	0.1	4
24	Multidisciplinary teaching: The emergence of an holistic STEM teacher. , 2018, , .		3
25	The development of pre-service design educator's capacity to make professional judgments on design capability using Adaptive Comparative Judgment. , 0, , .		3
26	A Review of the Valid Methodological Use of Adaptive Comparative Judgment in Technology Education Research. Frontiers in Education, 2022, 7, .	2.1	3
27	Freehand Sketching As A Catalyst For Developing Concept Driven Competencies. , 0, , .		3
28	Exploring the Prototypical Definitions of Intelligent Engineers Held by Irish and Swedish Higher Education Engineering Students. Psychological Reports, 2022, 125, 1397-1437.	1.7	2
29	Examining the Development of Sketch Thinking and Behaviour. , 0, , .		2
30	Assessment and Learning: The Proximal and Distal Effects of Comparative Judgment. Springer International Handbooks of Education, 2018, , 735-748.	0.1	2
31	A Comparison of Swedish and Irish Secondary Students' Conceptions of Engineers and Engineering using the Draw-an-Engineer Test. , 0, , .		1
32	The Importance of Spatial Ability Within Technology Education. Contemporary Issues in Technology Education, 2022, , 165-182.	0.5	1
33	Using Teachersâ€™ Judgments of Quality to Establish Performance Standards in Technology Education Across Schools, Communities, and Nations. Frontiers in Education, 2022, 7, .	2.1	1
34	Maximising The Impact Of Creative And Innovative Activities Within The Constraints Of Defined Education Structures. , 0, , .		1
35	The Psychological Domain. Advances in Early Childhood and K-12 Education, 2017, , 109-127.	0.2	0
36	The Psychological Domain. , 2018, , 511-529.		0

#	ARTICLE	IF	CITATIONS
37	Pedagogy Involving Social and Cognitive Interaction Between Teachers and Pupils. Contemporary Issues in Technology Education, 2020, , 297-310.	0.5	0
38	An exploratory study of studentsâ€™ approaches to generating, maintaining and communicating visual-mental images. , 0, , .		0
39	The Value of Transfer Activities when Developing Technological Knowledge and Skills. , 0, , .		0
40	The Understated Value Of Freehand Sketching In Technology Education. , 0, , .		0
41	Considering Cognitive Load as a Key Element in Instructional Design for Developing Graphical Capability. , 0, , .		0
42	Pre-Service STEM Educatorsâ€™ Perceptions of the Design Activities to Inform Educational Practice (Research to Practice). , 0, , .		0
43	Exploring the Value of Democratic Assessment in Design-Based Activities of Graphical Education. , 0, , .		0
44	Theorizing the Role of Engineering Education for Society: Technological Activity in Context?. , 0, , .		0
45	A Participative Pedagogical Approach To Knowledge Comprehension Based On Students Preferential Learning Styles. , 0, , .		0
46	A comparative study exploring the impact of assessment criteria on eliciting graphical capability. , 0, , .		0
47	A Holistic Evaluation Of The Effects Of An Informed Pedagogy On Initial Teacher Education. , 0, , .		0
48	An Autonomous Approach To Safe Machine Tool Operation And Education. , 0, , .		0
49	Constructivist e-Portfolios: The Use of Media in the Collecting and Evidencing of Student Learning. , 0, , .		0
50	Challenges Facing Continuous Professional Development For Technology Education In The Irish Second Level System. , 0, , .		0
51	Investigating Student Teachers' Approach to Solving Applied Analytical Graphical Problems. , 0, , .		0
52	Observational Study of Studentsâ€™ Individual Heuristics when Solving Technological Problems. , 0, , .		0