

Vince S Geiger

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,108
citations

471509

17
h-index

454955

30
g-index

54
all docs

54
docs citations

54
times ranked

569
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | The Role of Mathematics in interdisciplinary STEM education. ZDM - International Journal on Mathematics Education, 2019, 51, 869-884. | 2.2 | 119 |
| 2 | Perspectives on technology mediated learning in secondary school mathematics classrooms. Journal of Mathematical Behavior, 2003, 22, 73-89. | 0.9 | 90 |
| 3 | A rich interpretation of numeracy for the 21st century: a survey of the state of the field. ZDM - International Journal on Mathematics Education, 2015, 47, 531-548. | 2.2 | 84 |
| 4 | Early Shared Reading, Socioeconomic Status, and Children's Cognitive and School Competencies: Six Years of Longitudinal Evidence. Scientific Studies of Reading, 2018, 22, 485-502. | 2.0 | 68 |
| 5 | Reshaping teacher and student roles in technology-enriched classrooms. Mathematics Education Research Journal, 2000, 12, 303-320. | 1.7 | 64 |
| 6 | The affordances of using a flipped classroom approach in the teaching of mathematics: a case study of a grade 10 mathematics class. Mathematics Education Research Journal, 2016, 28, 149-171. | 1.7 | 59 |
| 7 | Cas-enabled technologies as "agents provocateurs" in teaching and learning mathematical modelling in secondary school classrooms. Mathematics Education Research Journal, 2010, 22, 48-68. | 1.7 | 46 |
| 8 | A critical orientation to numeracy across the curriculum. ZDM - International Journal on Mathematics Education, 2015, 47, 611-624. | 2.2 | 45 |
| 9 | Improving numeracy education in rural schools: a professional development approach. Mathematics Education Research Journal, 2011, 23, 129-148. | 1.7 | 44 |
| 10 | A social perspective on technology-enhanced mathematical learning: from collaboration to performance. ZDM - International Journal on Mathematics Education, 2010, 42, 91-104. | 2.2 | 38 |
| 11 | Transforming Professional Practice in Numeracy Teaching. Advances in Mathematics Education, 2014, , 81-102. | 0.2 | 34 |
| 12 | Developing a task design and implementation framework for fostering mathematical modelling competencies. Educational Studies in Mathematics, 2022, 109, 313-336. | 2.8 | 32 |
| 13 | Connecting social perspectives on mathematics teacher education in online environments. ZDM - International Journal on Mathematics Education, 2012, 44, 705-715. | 2.2 | 24 |
| 14 | The Role of Digital Technologies in Numeracy Teaching and Learning. International Journal of Science and Mathematics Education, 2015, 13, 1115-1137. | 2.5 | 23 |
| 15 | Video-stimulated recall as a catalyst for teacher professional learning. Journal of Mathematics Teacher Education, 2016, 19, 457-475. | 1.8 | 22 |
| 16 | An interdisciplinary approach to designing online learning: fostering pre-service mathematics teachers' capabilities in mathematical modelling. ZDM - International Journal on Mathematics Education, 2018, 50, 217-232. | 2.2 | 21 |
| 17 | Using mathematics to solve real world problems: the role of enablers. Mathematics Education Research Journal, 2018, 30, 7-19. | 1.7 | 21 |
| 18 | Technology in Mathematics Education. , 2012, , 111-141. | | 16 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Technology Enriched Classrooms: Some Implications for Teaching Applications and Modelling. , 2003, , 111-125. | | 15 |
| 20 | Using mathematics as evidence supporting critical reasoning and enquiry in primary science classrooms. ZDM - International Journal on Mathematics Education, 2019, 51, 929-940. | 2.2 | 15 |
| 21 | Designing for Mathematical Applications and Modelling Tasks in Technology Rich Environments. Mathematics Education in the Digital Era, 2017, , 285-301. | 0.4 | 14 |
| 22 | Welcome to the era of vague news: a study of the demands of statistical and mathematical products in the COVID-19 pandemic media. Educational Studies in Mathematics, 2022, 111, 5-28. | 2.8 | 14 |
| 23 | Theoretical perspectives on mathematics teacher change. Journal of Mathematics Teacher Education, 2010, 13, 499-507. | 1.8 | 13 |
| 24 | The Role of Textbooks in Developing a Socio-critical Perspective on Mathematical Modelling in Secondary Classrooms. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2013, , 361-371. | 0.5 | 13 |
| 25 | A Reflection on Mathematical Modelling and Applications as a Field of Research: Theoretical Orientation and Diversity. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2015, , 161-171. | 0.5 | 12 |
| 26 | Facilitating Mathematisation in Modelling by Beginning Modellers in Secondary School. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2015, , 93-104. | 0.5 | 12 |
| 27 | Curriculum Intent, Teacher Professional Development and Student Learning in Numeracy. Advances in Mathematics Education, 2014, , 473-492. | 0.2 | 12 |
| 28 | Numeracy Across the Curriculum. , 0, , . | | 11 |
| 29 | Developing a diagnostic framework for evaluating student approaches to applied mathematics problems. International Journal of Mathematical Education in Science and Technology, 1998, 29, 533-559. | 1.4 | 9 |
| 30 | A case study of effective practice in mathematics teaching and learning informed by Valsinerâ€™s zone theory. Mathematics Education Research Journal, 2017, 29, 143-161. | 1.7 | 9 |
| 31 | Transformations of Teaching and Learning Through Digital Technologies. , 2016, , 255-280. | | 7 |
| 32 | Utilising a research-informed instructional design approach to develop an online resource to support teacher professional learning on embedding numeracy across the curriculum. ZDM - International Journal on Mathematics Education, 2020, 52, 1017-1031. | 2.2 | 7 |
| 33 | <p>Auditing the numeracy demands of the middle years curriculum</p>. Pna, 2012, 6, 147-158. | 0.5 | 7 |
| 34 | Choosing and Using Technology for Secondary Mathematical Modelling Tasks â€œ Choosing the Right Peg for the Right Hole. , 2003, , 126-140. | | 6 |
| 35 | The Role of Social Aspects of Teaching and Learning in Transforming Mathematical Activity: Tools, Tasks, Individuals and Learning Communities. , 2014, , 203-222. | | 6 |
| 36 | Technology, Communication, and Collaboration: Re-thinking Communities of Inquiry, Learning and Practice. New ICMI Study Series, 2009, , 251-284. | 1.0 | 5 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Teaching Secondary School Mathematics. , 0, , . | | 5 |
| 38 | MATHEMATICAL MODELLING IN AUSTRALIA. Series on Mathematical Education, 2015, , 73-82. | 0.0 | 3 |
| 39 | Exploring the Notion of Mathematical Literacy in Curricula Documents. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2017, , 255-263. | 0.5 | 3 |
| 40 | Using situated expectancy value theory to explore initial teacher education students' motivation to engage with challenging mathematical tasks. Teaching and Teacher Education, 2022, 113, 103663. | 3.2 | 3 |
| 41 | Mathematical modelling â€œ a key to citizenship education. , 2022, , 31-50. | | 3 |
| 42 | Mathematical Applications, Modelling and Technology as Windows into Industry Based Mathematical Practice. New ICMI Study Series, 2013, , 271-278. | 1.0 | 2 |
| 43 | Facets of Numeracy: Teaching, Learning and Practices. , 2020, , 59-89. | | 2 |
| 44 | Generating a Design and Implementation Framework for Mathematical Modelling Tasks Through Researcher-Teacher Collaboration. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2021, , 129-139. | 0.5 | 1 |
| 45 | Teaching Experiments and Professional Learning. , 2012, , 3276-3277. | | 1 |
| 46 | Taking Advantage of Incidental School Events to Engage with the Applications of Mathematics: The Case of Surviving the Reconstruction. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2013, , 175-184. | 0.5 | 1 |
| 47 | Numeracy Across the Curriculum as a Model of Integrating Mathematics and Science. Advances in STEM Education, 2020, , 117-136. | 0.5 | 1 |
| 48 | Teacher Professional Development on Mathematical Modelling: Initial Perspectives from Singapore. International Perspectives on the Teaching and Learning of Mathematical Modelling, 2013, , 437-442. | 0.5 | 0 |
| 49 | Topic Study Group No. 23: Mathematical Literacy. ICME-13 Monographs, 2017, , 481-485. | 1.0 | 0 |
| 50 | An analysis of media items about the Coronavirus pandemic: New insights for statistical literacy. , 2022, , . | | 0 |