# Kalle Juuti

List of Publications by Year
in descending order



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|---|---|---|---|
| 59 papers | 952 citations | 516710 16 h-index | 526287 27 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 730 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Students' interest in biology and their out-of-school experiences. Journal of Biological Education, 2006, 40, 124-129. | 1.5 | 126 |
| 2 | Investigating optimal learning moments in U.S. and finnish science classes. Journal of Research in Science Teaching, 2016, 53, 400-421. | 3.3 | 79 |
| 3 | Secondary school students' interests, attitudes and values concerning school science related to environmental issues in Finland. Environmental Education Research, 2011, 17, 167-186. | 2.9 | 71 |
| 4 | High school students' situational engagement associated with scientific practices in designed science learning situations. Science Education, 2020, 104, 667-692. | 3.0 | 49 |
| 5 | Pupil interest in physics: A survey in Finland. Nordic Studies in Science Education, 2012, 1, 72-85. | 0.2 | 46 |
| 6 | SCIENCE TEACHING METHODS PREFERRED BY GRADE 9 STUDENTS IN FINLAND. International Journal of Science and Mathematics Education, 2010, 8, 611-632. | 2.5 | 39 |
| 7 | Design-Based Research in Science Education: One Step Towards Methodology. Nordic Studies in Science Education, 2012, 2, 54-68. | 0.2 | 34 |
| 8 | A Teacherâ€“Researcher Partnership for Professional Learning: Co-Designing Project-Based Learning Units to Increase Student Engagement in Science Classes. Journal of Science Teacher Education, 2021, 32, 625-641. | 2.5 | 31 |
| 9 | A professional development project for improving the use of information and communication technologies in science teaching. Technology, Pedagogy and Education, 2006, 15, 159-174. | 5.4 | 28 |
| 10 | Maker-Centered Project-Based Learning in Inclusive Classes: Supporting Studentsâ€™ Active Participation with Teacher-Directed Reflective Discussions. International Journal of Science and Mathematics Education, 2020, 18, 691-712. | 2.5 | 28 |
| 11 | Promoting Studentsâ€™ Interest and Motivation Towards Science Learning: the Role of Personal Needs and Motivation Orientations. Research in Science Education, 2013, 43, 2517-2539. | 2.3 | 26 |
| 12 | Science classroom activities and student situational engagement. International Journal of Science Education, 2019, 41, 316-329. | 1.9 | 24 |
| 13 | Designing a userâ€friendly microcomputerâ€based laboratory package through the factor analysis of teacher evaluations. International Journal of Science Education, 2003, 25, 1471-1487. | 1.9 | 23 |
| 14 | Strategyâ€based development of teacher educators' ICT competence through a coâ€operative staff development project. European Journal of Teacher Education, 2006, 29, 241-265. | 3.7 | 23 |
| 15 | Questions asked by primary student teachers about observations of a science demonstration. European Journal of Teacher Education, 2011, 34, 347-361. | 3.7 | 19 |
| 16 | The Relations of Science Task Values, Self-Concept of Ability, and STEM Aspirations Among Finnish Students From First to Second Grade. Frontiers in Psychology, 2019, 10, 1449. | 2.1 | 19 |
| 17 | Accommodating to <scp>E</scp>nglishâ€medium instruction in teacher education in <scp>F</scp>inland. International Journal of Applied Linguistics, 2016, 26, 291-310. | 0.9 | 18 |
| 18 | Adoption of ICT in Science Education: a Case Study of Communication Channels in A Teachersâ€™ Professional Development Project. Eurasia Journal of Mathematics, Science and Technology Education, 2009, 5, . | 1.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Investigating Situational Interest in Primary Science Lessons. International Journal of Science Education, 2015, 37, 3015-3037. | 1.9 | 16 |
| 20 | Elementary school students' motivational profiles across Finnish language, mathematics and science: Longitudinal trajectories, gender differences and STEM aspirations. Contemporary Educational Psychology, 2021, 64, 101927. | 2.9 | 16 |
| 21 | How fieldwork-oriented biology teachers establish formal outdoor education practices. Journal of Biological Education, 2020, 54, 115-128. | 1.5 | 15 |
| 22 | Interest in Dialogic and Non-Dialogic Teacher Talk Situations in Middle School Science Classroom. International Journal of Science and Mathematics Education, 2020, 18, 1531-1546. | 2.5 | 15 |
| 23 | The Innovative School as an Environment for the Design of Educational Innovations. , 2014, , 99-113. | | 14 |
| 24 | TEACHERâ€™S REFLECTION OF INQUIRY TEACHING IN FINLAND BEFORE AND DURING AN IN-SERVICE PROGRAM: EXAMINATION BY A PROGRESS MODEL OF COLLABORATIVE REFLECTION. International Journal of Science and Mathematics Education, 2013, 11, 359-383. | 2.5 | 12 |
| 25 | Coulombic interaction in Finnish middle school chemistry: a systemic perspective on students' conceptual structure of chemical bonding. Chemistry Education Research and Practice, 2015, 16, 901-917. | 2.5 | 11 |
| 26 | <scp>U.S.</scp> and Finnish high school science engagement during the COVIDâ€19 pandemic. International Journal of Psychology, 2022, 57, 73-86. | 2.8 | 10 |
| 27 | Primary Studentsâ€™ Experiences of Remote Learning during COVID-19 School Closures: A Case Study of Finland. Education Sciences, 2021, 11, 560. | 2.6 | 10 |
| 28 | Integrating geography with physics and visual arts: Analysis of student essays. Norsk Geografisk Tidsskrift, 2013, 67, 172-178. | 0.7 | 9 |
| 29 | Transferring a Teaching Learning Sequence Between Two Different Educational Contexts: the Case of Greece and Finland. International Journal of Science and Mathematics Education, 2018, 16, 443-463. | 2.5 | 9 |
| 30 | The resurgence of everyday experiences in school science learning activities. Cultural Studies of Science Education, 2020, 15, 1019-1045. | 1.3 | 9 |
| 31 | An Analysis of Science Textbooks for Grade 6: The Electric Circuit Lesson. Eurasia Journal of Mathematics, Science and Technology Education, 2013, 9, . | 1.3 | 9 |
| 32 | Quality over frequency in using digital technology: Measuring the experienced functional use. Computers and Education, 2022, 176, 104361. | 8.3 | 9 |
| 33 | Connection between academic emotions in situ and retention in the physics track: applying experience sampling method. International Journal of STEM Education, 2018, 5, 25. | 5.0 | 8 |
| 34 | How teaching practices are connected to student intention to enrol in upper secondary school physics courses. Research in Science and Technological Education, 2016, 34, 204-218. | 2.5 | 7 |
| 35 | Promoting Coherent Science Instruction through Coherent Science Teacher Education: A Model Framework for Program Design. Journal of Science Teacher Education, 2021, 32, 911-933. | 2.5 | 7 |
| 36 | Developing a collaborative model in teacher education â€“ An overview of a teacher professional development project. Lumat, 2016, 4, 67-86. | 0.5 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Upper secondary studentsâ€™ situational interest in physics learning in Finland and Chile. International Journal of Science Education, 2021, 43, 2577-2596. | 1.9 | 7 |
| 38 | Clarifying the Relation Between Epistemic Emotions and Learning by Using Experience Sampling Method and Pre-posttest Design. Frontiers in Education, 2022, 7, . | 2.1 | 7 |
| 39 | â€œHow stupid can a person be?â€•â€“ Students coping with authoritative dimensions of science lessons. Learning, Culture and Social Interaction, 2020, 24, 100367. | 1.8 | 6 |
| 40 | Finland, A Package Deal: Disciplinary Climate in Science Classes, Science Dispositions and Science Literacy. Sustainability, 2021, 13, 13857. | 3.2 | 6 |
| 41 | Learning to apply models of materials while explaining their properties. Research in Science and Technological Education, 2014, 32, 340-351. | 2.5 | 5 |
| 42 | Pragmatic Design-Based Research â€“ Designing as a Shared Activity of Teachers and Researches. , 2016, , 35-46. | | 5 |
| 43 | Instructional Activities Predicting Epistemic Emotions in Finnish Upper Secondary School Science Lessons: Combining Experience Sampling and Video Observations. Contributions From Science Education Research, 2021, , 317-329. | 0.5 | 4 |
| 44 | Primary school teachersâ€™ interviews regarding pedagogical content knowledge (PCK) and general pedagogical knowledge (GPK). European Journal of Science and Mathematics Education, 2013, 1, 84-105. | 1.1 | 4 |
| 45 | Enhancing Scientific Literacy through the Industry Site Visit. , 2010, , 225-239. | | 4 |
| 46 | Duration of On-Campus Academic Engagements of Student Teachers in Finland and Norway. Education Inquiry, 2017, 8, 89-103. | 2.9 | 2 |
| 47 | Phenomenographical Approach to Design for a Hypertext Teacherâ€™s Guide to MBL. , 2003, , 333-341. | | 2 |
| 48 | Science at Finnish Compulsory School. , 2016, , 125-144. | | 2 |
| 49 | Web-based interaction of unqualified primary teachers as off-campus students. International Journal of Web Based Communities, 2006, 2, 58. | 0.3 | 1 |
| 50 | The Lifeworld Earth and a Modelled Earth. Science and Education, 2014, 23, 1663-1680. | 2.7 | 1 |
| 51 | Science at Finnish Compulsory School. , 2012, , 131-147. | | 1 |
| 52 | Design and Development of Teaching-Learning Sequence (TLS) Materials Around Us: Description of an Iterative Process. , 2016, , 201-231. | | 1 |
| 53 | Luonnontieteen opetuksen ja opiskelun tyÃ¶tapojen yhteys lukiolaisten tilannekohtaiseen sitoutumiseen. , 2022, 53, 245-258. | | 1 |
| 54 | Issues on School E-Laboratories in Science Teaching. , 2004, , 43-58. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Ainedidaktiikka moninaistuu. Ainedidaktiikka, 2019, 3, 1-1. | 0.1 | 0 |
| 56 | Lukion yleissivistys rakentuu oppiaineissa. Ainedidaktiikka, 2019, 3, 1-1. | 0.1 | 0 |
| 57 | Ainedidaktiikan moninaisuus ja erityisyys. Ainedidaktiikka, 2020, 4, 1-2. | 0.1 | 0 |
| 58 | EtÃkoulu on digitaalisuuden interventio. Ainedidaktiikka, 2020, 4, 1-1. | 0.1 | 0 |
| 59 | Studentsâ€™ Emotions Related to Thermal Camera Activities in Primary Science Lessons. Innovations in Science Education and Technology, 2022, , 79-93. | 0.3 | 0 |