# Johannes Strobel

List of Publications by Year
in descending order



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|---|---|---|---|
| 57 papers | 1,819 citations | 643344 15 h-index | 388640 36 g-index |
| 59 all docs | 59 docs citations | 59 times ranked | 1474 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Exploring lived experiences of agile developers with daily stand-up meetings: a phenomenological study. Behaviour and Information Technology, 2023, 42, 403-423. | 2.5 | 6 |
| 2 | Work-in-Progress: Pre-college Teachersâ€™ Metaphorical Beliefs about Engineering. , 2021, , . | | 0 |
| 3 | A literature overview of differences between engineering education and other disciplinary education. , 2021, , . | | 2 |
| 4 | Engineersâ€™ job-related perceptions of empathy in Germany. , 2020, , . | | 0 |
| 5 | A National INCLUDES Alliance Effort to Integrate Problem-Solving Skills into Computer Science Curriculum. , 2019, , . | | 0 |
| 6 | Effects of Chronotypes on Studentsâ€™ Choice, Participation, and Performance in Online Learning. Journal of Educational Computing Research, 2018, 55, 1069-1087. | 3.6 | 6 |
| 7 | Balancing Academic Rigor and Creative Thinking: A Transformational Approach to Teaching Senior Design. Journal of Biomechanical Engineering, 2018, 140, . | 0.6 | 4 |
| 8 | Technology Education as a Practice-Based Discipline. Springer International Handbooks of Education, 2018, , 523-536. | 0.1 | 1 |
| 9 | Examining the relationship between resistance to change and undergraduate engineering studentsâ€™ environmental knowledge and attitudes. Studies in Higher Education, 2017, 42, 390-409. | 2.9 | 15 |
| 10 | Insights from industry: a quantitative analysis of engineers' perceptions of empathy and care within their practice. European Journal of Engineering Education, 2017, 42, 1128-1153. | 1.5 | 16 |
| 11 | The Development of Empathic Perspectiveâ€Taking in an Engineering Ethics Course. Journal of Engineering Education, 2017, 106, 534-563. | 1.9 | 35 |
| 12 | Trends in Texas high school student enrollment in mathematics, science, and CTE-STEM courses. International Journal of STEM Education, 2017, 4, 9. | 2.7 | 7 |
| 13 | The impact of student teaching experience on pre-service teachersâ€™ readiness for technology integration: A mixed methods study with growth curve modeling. Educational Technology Research and Development, 2017, 65, 597-629. | 2.0 | 22 |
| 14 | Technology Education as a Practice-Based Discipline. Encyclopedia of Earth Sciences Series, 2017, , 1-14. | 0.1 | 0 |
| 15 | Authorship and Content Analysis of Engineering Education Research: A Case Study. International Journal of Engineering Pedagogy, 2016, 6, 39. | 0.7 | 5 |
| 16 | Visualization of Teacher Social Capital in a Computer-Supported Engineering Education Teacher Professional Development Program. , 2016, , . | | 0 |
| 17 | Access, Inclusion, and Heterogeneity in Pre-University Engineering Education. , 2016, , 155-177. | | 0 |
| 18 | Voices from the workplace: practitionersâ€™ perspectives on the role of empathy and care within engineering. Engineering Studies, 2016, 8, 212-242. | 0.6 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Building Course-Specific Regression-based Models to Identify At-risk Students. , 2015, , 26.304.1. | | 7 |
| 20 | Hopes and Goals Survey for use in STEM elementary education. International Journal of Technology and Design Education, 2015, 25, 245-259. | 1.7 | 15 |
| 21 | Validation of the Teaching Engineering Selfâ€Efficacy Scale for Kâ€12 Teachers: A Structural Equation Modeling Approach. Journal of Engineering Education, 2014, 103, 463-485. | 1.9 | 47 |
| 22 | Equipping the Designers of the Future. Games and Culture, 2014, 9, 167-181. | 1.7 | 5 |
| 23 | Firstâ€Year Students' Environmental Awareness and Understanding of Environmental Sustainability Through a Life Cycle Assessment Module. Journal of Engineering Education, 2014, 103, 154-181. | 1.9 | 30 |
| 24 | The role of authenticity in design-based learning environments: The case of engineering education. Computers and Education, 2013, 64, 143-152. | 5.1 | 74 |
| 25 | Editorâ€™s Note: Remembering David Jonassen. Educational Psychology Review, 2013, 25, 145-156. | 5.1 | 0 |
| 26 | Ideologies in the Conceptualization and use of Educational Technology. , 2013, , 329-344. | | 1 |
| 27 | Sustainability and the engineering worldview. , 2013, , . | | 4 |
| 28 | Interplay of computer and paper-based sketching in graphic design. International Journal of Technology and Design Education, 2013, 23, 785-802. | 1.7 | 9 |
| 29 | Analysis of the Influence of the International Journal of Electrical Engineering Education on Electrical Engineering and Electrical Engineering Education. International Journal of Electrical Engineering and Education, 2013, 50, 316-340. | 0.4 | 3 |
| 30 | Impact of Household Location on Firstâ€Year Engineering Students' Environmental Awareness and Resistance to Change. Journal of Engineering Education, 2013, 102, 603-625. | 1.9 | 1 |
| 31 | Empathy and care within engineering: qualitative perspectives from engineering faculty and practicing engineers. Engineering Studies, 2013, 5, 137-159. | 0.6 | 78 |
| 32 | Elementary Engineering Education (EEE) Adoption and Expertise Development Framework: An Inductive and Deductive Study. Journal of Pre-College Engineering Education Research, 2013, 3, . | 0.3 | 17 |
| 33 | Engineering in the Kâ€12 STEM Standards of the 50 U.S. States: An Analysis of Presence and Extent. Journal of Engineering Education, 2012, 101, 539-564. | 1.9 | 103 |
| 34 | Work in progress: Development of a metacognition scaffold in STEM/P-6 engineering context: MCinEDP. , 2012, , . | | 2 |
| 35 | A Conceptual K-6 Teacher Competency Model for Teaching Engineering. Procedia, Social and Behavioral Sciences, 2012, 56, 243-252. | 0.5 | 11 |
| 36 | Needs Assessment: Developing an Effective Online P-6 Engineering Professional Development Program. , 2012, , 207-220. | | 1 |

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|---|---|---|---|
| 37 | Integrating engineering into secondary math and science curricula: A course for preparing teachers. , 2011, , . | | 2 |
| 38 | A keyword based scheme to define engineering education research as a field and its members. , 2011, , . | | 3 |
| 39 | Compound Problem Solving: Insights from the Workplace for Engineering Education. Journal of Professional Issues in Engineering Education and Practice, 2011, 137, 215-222. | 0.9 | 8 |
| 40 | How ID models help with game-based learning: an examination of the gentry model in a participatory design project. Educational Media International, 2011, 48, 287-306. | 0.9 | 8 |
| 41 | Why Choose Online Learning: Relationship of Existing Factors and Chronobiology. Journal of Educational Computing Research, 2011, 45, 379-397. | 3.6 | 9 |
| 42 | Analysis of Technological Ideologies in Education. TechnÃ© Research in Philosophy and Technology, 2011, 15, 170-181. | 0.2 | 1 |
| 43 | Expressions of critical thinking in role-playing simulations: comparisons across roles. Journal of Computing in Higher Education, 2010, 22, 73-94. | 3.9 | 28 |
| 44 | Applying a Critical and Humanizing Framework of Instructional Technologies to Educational Practice. , 2009, , 1-19. | | 3 |
| 45 | Extending Teacher Professional Development through an Online Learning Community: A Case Study. Journal of Educational Technology Development and Exchange, 2009, 2, . | 0.4 | 18 |
| 46 | When is PBL More Effective? A Meta-synthesis of Meta-analyses Comparing PBL to Conventional Classrooms. Interdisciplinary Journal of Problem-based Learning, 2009, 3, . | 0.2 | 469 |
| 47 | The evolution of a collaborative authoring system for non-linear hypertext: A design-based research study. Computers and Education, 2008, 51, 67-85. | 5.1 | 15 |
| 48 | CONSTRUCTIVISM AND EDUCATION: MISUNDERSTANDINGS AND PEDAGOGICAL IMPLICATIONS. Teacher Educator, 2007, 43, 72-86. | 0.8 | 63 |
| 49 | Integrating scaffolds into goal-based scenarios. , 2006, , . | | 2 |
| 50 | Everyday Problem Solving in Engineering: Lessons for Engineering Educators. Journal of Engineering Education, 2006, 95, 139-151. | 1.9 | 512 |
| 51 | Modeling for Meaningful Learning. , 2006, , 1-27. | | 39 |
| 52 | Model building for conceptual change. Interactive Learning Environments, 2005, 13, 15-37. | 4.4 | 67 |
| 53 | Communities of reflection-practice and clash of communities. ACM SIGGROUP Bulletin, 2003, 24, 50-54. | 0.4 | 2 |
| 54 | Exploring the Relationship between Empathy and Innovation among Engineering Students. , 0, , . | | 3 |

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|---|---|---|---|
| 55 | Trends in Texas High School Students' Enrollment in STEM Courses for Career and Technical Education (Fundamental). , 0, , . | | 1 |
| 56 | Implementation of PBL in Engineering Education: Conceptualization and Management of Tensions. Proceedings of the Canadian Engineering Education Association (CEEA), 0, , . | 0.2 | 2 |
| 57 | Is the Engineering Education Community Becoming More Interdisciplinary?. , 0, , . | | 2 |