

Crossing boundaries between research and practitioner communities: The role of research use and cross-community journal authorship

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Purpose of the Study was to understand:

- The writing collaborations by researchers and practitioners, individually and jointly, publishing in science educ. research and practitioner journals
- The role different types of resource materials (i.e., journals, books, websites, etc) have in practitioner journal publications

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Research Articles

- Scientific reasoning skills predict type of participation in science education: Till Bruckermann, Hannah Greving, Anke Schumann, Milena Stillefried, Konstantin Bömer, Sophia E. Kimmig, Robert Hagen, Miriam Brandt, and Ute Heuer. Published online 28 November 2022 in Wiley Online Library. 1915
- Equity analysis of an augmented reality-mediated group activity in a college biochemistry classroom: Song Wang, Row-Jia Sung, Daniel L. Reinholz, and Thomas J. Bassry. Published online 18 January 2023 in Wiley Online Library. 1942
- Graduate teaching assistants impact student motivation and engagement in course-based undergraduate research experiences: Emma Crystal Goodwin, Jessica R. Cary, Vivian D. Phan, Hayley Therrien, and Erin Elizabeth Shortridge. Published online 1 February 2023 in Wiley Online Library. 1967
- Multilingual learners' epistemologies in practice in the context of computational modeling in an elementary science classroom: Scott E. Grapin, Allison Haas, Lorena Lina, Daniel Wendel, Ashlyn Pierson, and Oliver Lee. Published online 6 February 2023 in Wiley Online Library. 1998
- Narrating science: Can it benefit science learning, and how? A theoretical review: Sara Soares, Mantle Gonçalves, Rita Jerónimo, and Rágnor Kolinsky. Published online 13 February 2023 in Wiley Online Library. 2042
- Relationships between undergraduate instructors' conceptions of how students learn and their instructional practices: Robert C. Icardi, Julie A. Luft, Jenna L. Wingfield, Blake Whit, Paula A. Barriga, and Jason D. Long. Published online 9 March 2023 in Wiley Online Library. 2076
- Epistemological beliefs and values as predictors of preservice science teachers' environmental moral reasoning: Bişra Tuncay-Yüksek, Özgül Yılmaz-Fişcin, and Dana L. Zeidler. Published online 29 July 2023 in Wiley Online Library. 2111

- Academic and practitioner writing collaborations are uncommon, even in practitioner journals.
- Science education research articles are infrequently cited in practitioner journals (see red arrow). This has implications for teachers understanding research contributions.
- More bidirectional collaborations are encouraged, especially more collaborative writing.



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- Bibliometric analysis of practitioner journal and research journal content was conducted.
- Author type (biographies), article type, and types of citations were enumerated, cross-tabulated, and summarized.

