

Table S1. Complete list of all publications analysed in this review.

No	Author(s)	Year	Journal	Title
1	Roesch, F., Nerb, J. & Riess, W.	2015	International Journal of Science Education	Promoting Experimental Problem-solving Ability in Sixth-grade Students Through Problem-oriented Teaching of Ecology: Findings of an intervention study in a complex domain.
2	Ljung-Djärf, A., Åberg-Bengtsson, L., Ottosson, T. & Beach, D.	2015	Environmental Education Research	Making sense of iconic symbols: a study of preschool children conducting a refuse-sorting task.
3	Baur, A. & Haase, H. M	2015	Environmental Education Research	The influence of active participation and organisation in environmental protection activities on the environmental behaviour of pupils: study of a teaching technique.
4	Gozalbo, M. E., & Aragón Núñez, L.	2016	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	Experiencias en torno al huerto ecológico como recurso didáctico y contexto de aprendizaje en la formación inicial de maestros de Infantil.
5	Jørgensen, K. A.	2016	Environmental Education Research	Bringing the jellyfish home: environmental consciousness and ‘sense of wonder’ in young children’s encounters with natural landscapes and places.
6	Gail Bergman, B.	2016	Environmental Education Research	Assessing impacts of locally designed environmental education projects on students’ environmental attitudes, awareness, and intention to act.
7	Dentzau, M. W. & Gallard Martínez, A. J.	2016	Environmental Education Research	The development and validation of an alternative assessment to measure changes in understanding of the longleaf pine ecosystem.
8	Supakata, N., Puangthongthub, S., Srithongouthai, S., Kanokkantapong, V. & Chaikaew, P.	2016	Applied Environmental education and communication	Environmental camp as a comprehensive communication tool to promote the RRR concept to elementary education students at Koh Si Chang School.
9	Kärkkäinen, S., Keinonen, T., Kukkonen, J., Juntunen, S. & Ratinen, I.	2017	Environmental Education Research	The effects of socio-scientific issue based inquiry learning on pupils’ representations of landscape.
10	Åberg-Bengtsson, L., Beach, D. & Ljung-Djärf, A.	2017	Environmental Education Research	Young primary students making sense of text and illustrations about how refuse can become soil.
11	Braun, T. & Dierkes, P.	2017	Environmental Education Research	Connecting students to nature – how intensity of nature experience and student age influence the success of outdoor education programs.
12	Andersson, K.	2017	Environmental Education Research	Starting the pluralistic tradition of teaching? Effects of education for sustainable development (ESD) on pre-service teachers’ views on teaching about sustainable development.
13	Murley, L. D., Kay Gandy, S. & Huss, J. M	2017	The Journal of environmental Education	Teacher candidates research, teach, and learn in the nation's first net zero school.

14	Cincera, J. & Simonova, P.	2017	Applied Environmental education and communication	"I am not a big man": Evaluation of the issue investigation program.
15	Pérez Martín, J. M., & Bravo Torija, B.	2018	Revista Internacional de Educación para la Justicia Social	Experiencias para una Alfabetización Científica que Promueva la Justicia Ambiental en Distintos Niveles Educativos.
16	Gozalbo, M. E., Baltar, D. Z., & Ruiz-González, A.	2018	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	Huertos EcoDidácticos y Educación para la Sostenibilidad. Experiencias educativas para el desarrollo de competencias del profesorado en formación inicial.
17	Karvanková, P. & Popjaková, D.	2018	International Journal of Science Education	How to link geography, cross-curricular approach and inquiry in science education at the primary schools.
18	Evans, T. G. & Elisan-Visperas, A.	2018	Journal of Biological Education	Resolving spatial and temporal patterns of coral bleaching risk using image analysis: an active learning experience to improve climate change literacy in college students.
19	de Oliveira Loureiro, J. & Dal-Farra, R. A.	2018	Environmental Education Research	Botany and environmental education in elementary school in Brazil: articulating knowledge, values, and procedures.
20	Braun, T., Cottrell, R. & Dierkes, P.	2018	Environmental Education Research	Fostering changes in attitude, knowledge and behavior: demographic variation in environmental education effects.
21	Bonazzi Piasentin, F. & Roberts, L.	2018	Environmental Education Research	What elements in a sustainability course contribute to paradigm change and action competence? A study at Lincoln University, New Zealand.
22	Liefländer, A.. K. & Bogner, F. X.	2018	Environmental Education Research	Educational impact on the relationship of environmental knowledge and attitudes.
23	Gozalbo, M. E., Baltar, D. Z., & Ruiz-González, A.	2018	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	Huertos EcoDidácticos y Educación para la Sostenibilidad. Experiencias educativas para el desarrollo de competencias del profesorado en formación inicial.
24	Pérez Martín, J. M., & Bravo Torija, B.	2018	Revista Internacional de Educación para la Justicia Social	Experiencias para una Alfabetización Científica que Promueva la Justicia Ambiental en Distintos Niveles Educativos.
25	Salvador, S. L., Pastrana, M. R., & Prieto, J. M. M.	2019	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	Impacto de un programa de intervención metacognitivo sobre la Conciencia Ambiental de docentes de Primaria en formación inicial.
26	Jaén, M., Esteve, P., & Banos-González, I.	2019	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	Los futuros maestros ante el problema de la contaminación de los mares por plásticos y el consumo.
27	Lopera Pérez, M., Díaz Posada, L. E., Villagrà Sobrino, S., Charro Huerga, E. & Molpeceres Sanz, C.	2019	Enseñanza de las ciencias	La teoría de inteligencias múltiples aplicada a la educación ambiental en escenarios inclusivos.

28	Alcántara Manzanares, J. & Medina Quintana, S.	2019	Enseñanza de las ciencias	El uso de los itinerarios didácticos (sig) en la educación ambiental.
29	Lorenzo Rial, M. A., Álvarez Lires, M. M., Arias Correa, A. & Pérez Rodríguez, U.	2019	Enseñanza de las ciencias	Aprender a interpretar la acidificación oceánica con recursos on-line y experimentación con-textualizada.
30	Simms, W. & Shanahan, M. C.	2019	Environmental Education Research	Using reflection to support environmental identity development in the classroom context.
31	Malandrakis, G., Gkitsas, S. & Bara, E. Z.	2019	Environmental Education Research	The role of digital stories and civic actions on student-teachers' understanding about social sustainability in urban settings.
32	Mullenbach, L. E., Andrejewski, R. G. & Mowen, A. J.	2019	Environmental Education Research	Connecting children to nature through residential outdoor environmental education.
33	Zandvliet, D.	2019	Journal of outdoor and environmental Education	Ecological education via "islands of discourse": teacher education at the intersection of culture and environment.
34	Moreno, J. R., de Pro Chereguini, C., & de Pro Bueno, A.	2020	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	¿Qué se puede aprender «Jugando con la electricidad» en Educación Infantil?
35	Alò, D., Castillo, A., Marín Vial, P. & Samaniego, H.	2020	International Journal of Science Education	Low-cost emerging technologies as a tool to support informal environmental education in children from vulnerable public schools of southern Chile.
36	Talebpour, L. M., Busk, P. L., Heimlich, J. E. & Ardoin, N. M.	2020	Environmental Education Research	Children's connection to nature as fostered through residential environmental education programs: Key variables explored through surveys and field journals.
37	Georgiou, M., Ziogka, K., & Galani, L.	2020	Interdisciplinary Journal of Environmental and Science Education	Are Pre-Service Teachers Ready to Write Stories in the Sciences?
38	Pinillas Fernández S. & Torralba-Burrial A.	2021	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	El cuaderno de campo como eje de aprendizaje de naturaleza cercana en Educación Infantil.
39	Pozo-Muñoz M. P., Velasco-Martínez L. C., Martín-Gámez C. & Tójar-Hurtado J. C.	2021	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	¿Qué sabe el alumnado sobre las problemáticas socio-ambientales del agua y su gestión sostenible? Investigación mixta en Educación Primaria.
40	Marín, F. R., Guerrero, M. Á. P., & Gutiérrez, M. P.	2021	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	El Huerto Escolar como recurso para iniciar la Alfabetización Ambiental en Educación Infantil.
41	Malandrakis, G., Bara, E. Z. & Gkitsas, S.	2021	Environmental Education Research	Perceived factors affecting student-teachers' learning about social urban sustainability.

42	Zuiker, S. J. & Riske, A. K.	2021	Environmental Education Research	Growing garden-based learning: mapping practical and theoretical work through design.
43	Murphy, C., Mallon, B., Smith, G., Kelly, O., Pitsia, V. & Martinez Sainz, G.	2021	Environmental Education Research	The influence of a teachers' professional development programme on primary school pupils' understanding of and attitudes towards sustainability.
44	Sass, W., Quintelier, A., Boeve-de Pauw, J., De Maeyer, S., Gericke, N. & Van Petegem, P.	2021	Environmental Education Research	Actions for sustainable development through young students' eyes.
45	Casas Jr., E. V., Pormon, M. M., Manus, J. J. & Lejano, R. P.	2021	The Journal of environmental Education	Relationality and resilience: Environmental education in a time of pandemic and climate crisis.
46	Dentzau, M.	2021	Interdisciplinary Journal of Environmental and Science Education	Student Mental Models of the Longleaf Pine Ecosystem.
47	Cook, E. L & Ormsby, A. A.	2021	Applied Environmental education and communication	Measuring and developing ecological literacy to conserve the critically endangered Mariana Crow.
48	Schneller, A. J. Harrison, L. M., Adelman, J. & Post, S.	2021	Applied Environmental education and communication	Outcomes of art-based environmental education in the Hudson River Watershed.
49	Pinillas Fernández S. & Torralba-Burrial A.	2021	Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	El cuaderno de campo como eje de aprendizaje de naturaleza cercana en Educación Infantil.