

1. Record Nr.	UNINA9910483624103321
Titolo	International Conference on Science Education 2012 Proceedings : Science Education: Policies and Social Responsibilities // edited by Baohui Zhang, Gavin W. Fulmer, Xiufeng Liu, Weiping Hu, Shujin Peng, Bing Wei
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-642-54365-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (241 p.)
Disciplina	370 507.1
Soggetti	Science education Science Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part 1 National/Local Science Education Standards -- Part 2 Public Science Education -- Part 3 Science Teacher Education -- Part 4 Other Topics.
Sommario/riassunto	This book contains papers presented at the International Conference on Science Education 2012, ICSE 2012, held in Nanjing University, Nanjing, China. It features the work of science education researchers from around the world addressing a common theme, Science Education: Policies and Social Responsibilities. The book covers a range of topics including international science education standards, public science education and science teacher education. It also examines how STEM education has dominated some countries' science education policy, ways brain research might provide new approaches for assessment, how some countries are developing their new national science education standards with research-based evidence, and ways science teacher educators can learn from each other. Science education research is vital in the development of national science education policies, including science education standards, teacher professional development and public understanding of science. Featuring the work of an international group of science education researchers, this book

offers many insightful ideas, experiences and strategies that will help readers better understand and address challenges in the field.

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