1. Record Nr. UNINA9910450531603321

Titolo	Igneous rocks : a classification and glossary of terms : recommendations of the International Union of Geological Sciences, Subcommission on the Systematics of Igneous Rocks / / R.W. Le Maitre (editor) [and others] [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2002
ISBN	1-280-41767-6 9786610417674 1-139-14621-1 0-511-16974-4 0-511-06651-1 0-511-06020-3 0-511-32391-3 1-60119-746-2 0-511-53558-9 0-511-06864-6
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xvi, 236 pages) : digital, PDF file(s)
Disciplina	552/.1
Soggetti	Igneous rocks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction: 1.1. Changes to the 1st edition -- 2. Classification and nomenclature: 2.1. Principles; 2.2. Pyroclastic rocks and tephra; 2.3. Carbonatites; 2.4. Melilite-bearing rocks; 2.5. Kalsilite-bearing rocks; 2.6. Kimberlites; 2.7. Lamproites; 2.8. Leucite-bearing rocks; 2.9. Lamprophyres; 2.10. Charnockitic rocks; 2.11. Plutonic rocks; 2.12. Volcanic rocks; 2.13. References -- 3. Glossary of terms: 3.1. Detailes of entries; 3.2. Historical perspective; 3.3. Glossary -- 4. Bibliography of terms: 4.1. Bibliographic analysis; 4.2. References -- Appendices: Appendix A. Lists of participants; Appendix B. Recommended IUGS names; Appendix C. IUGSTAS software package.
Sommario/riassunto	Decades of field and microscope studies, and more recent quantitative

geochemical analyses have resulted in a vast, and sometimes overwhelming, array of nomenclature and terminology associated with igneous rocks. This book presents a complete classification of igneous rocks based on all the recommendations of the International Union of Geological Sciences (IUGS) Subcommission on the Systematics of Igneous Rocks. The glossary of igneous terms has been fully updated since the first edition and now includes 1637 entries, of which 316 are recommended by the Subcommission. Incorporating a comprehensive bibliography of source references for all the terms included in the glossary, this book is an indispensable reference guide for all geologists studying igneous rocks, either in the field or the laboratory. It presents a standardised and widely accepted naming scheme that will allow geologists to interpret terminology in the primary literature and provide formal names for rock samples based on petrographic analyses. It is also supported by a website with downloadable code for chemical classifications.