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Titolo	Rocks and rock formations : a key to identification // Jurg Meyer ; Translated by Mark Epstein
Pubbl/distr/stampa	Princeton, New Jersey : , : Princeton University Press, , [2021] ©2021
ISBN	0-691-21755-6
Descrizione fisica	1 online resource (192 p.) : 534 color photos
Collana	Princeton Field Guides ; ; 152
Disciplina	552
Soggetti	Rock-forming minerals Rocks Field guides.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- CONTENTS -- Preface -- Why Rocks Are Different -- PART I: The Fundamentals -- Rocks: An Overview -- Rock-Forming Minerals -- Rock Textures and Structures -- Fossils in Rocks -- Secondary Alterations in Rocks -- Weathering Crusts -- Equipment Necessary for Rock Identification -- Approaching Rocks Intelligently -- Additional Research Methods for Rocks -- PART II: Identification Key -- Layout and Logic of the Key -- Prerequisites and Instructions for Use -- Identification Key with Illustrations -- PART III: An Introduction to Rock Classification -- Igneous Rocks 1: Plutonic Rocks (Plutonites) -- Igneous Rocks 2: Volcanic Rocks -- Sedimentary Rocks -- Metamorphic Rocks -- Photo Credits -- Index
Sommario/riassunto	The first field guide that allows amateur rock enthusiasts to identify basic rocks and rock formations in a systematic wayMany of us are fascinated by rocks—but identifying them can seem daunting. It's often tricky even for geologists, who rely on experience, intuition, and in- depth familiarity with rock-forming components. Rocks and Rock Formations allows everyone, amateur or professional, to successfully distinguish these amazing masses of minerals, using only careful observation, a magnifying glass, a pocket knife—and a bit of patience. Jürg Meyer provides a structured approach to the identification of all

rocks within the three groups: sedimentary, igneous, and metamorphic. Bringing together more than 530 diagrams and photographs to illustrate essential characteristics, Meyer highlights some basics on rocks—their mineral constituents, structures, textures, fossils, weathering patterns, and more—which are important for a determination. The main part of the book is a handy and thorough identification key, which takes into account all possible rock variations, mixtures, and structural differences. The concluding section of the guide delves into rock systematics. Assuming little prior experience or knowledge, *Rocks and Rock Formations* is an invaluable resource for rock enthusiasts everywhere. Suitable for beginners and amateurs. Helpful, systematic identification key. Exploration of all types of rocks. More than 530 diagrams and photographs.
