

1. Record Nr.	UNINA9910136254603321
Autore	Pijaudier-Cabot Gilles
Titolo	Electrohydraulic fracturing of rocks / / Gilles Pijaudier-Cabot [and six others]
Pubbl/distr/stampa	London, England ; ; Hoboken, New Jersey : , : iSTE : , : Wiley, , 2016 ©2016
ISBN	1-119-03554-6 1-119-00528-0 1-119-03552-X
Descrizione fisica	1 online resource (97 p.)
Collana	Focus Series
Disciplina	622.3381
Soggetti	Hydraulic fracturing Gas well drilling Electronic books.
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 and index.
Nota di contenuto	Table of Contents; Title; Copyright; Preface; Introduction; I.1. Context; I.2. Principle of the technique and illustrative experiments; 1 Experiments in a Representative Environment; 1.1. Mechanical set-up; 1.2. Pulsed arc electric generator; 1.3 Material properties; 1.4. Measurements of radial permeability; 1.5. X-ray tomography; 1.6. Results on model materials; 1.7. Summary of the results on sandstone; 1.8. Discussion; 2 Computational Modeling of the Process: Principles; 2.1. Pressure generated by the pulsed arc electrical discharge; 2.2. Mechanical modeling of rocks under dynamic loads 2.3. Coupled effects between damage and permeability 2.4. Summary and conclusions; 3 Validation of the Computational Model; 3.1. Simulation of the experiments in uniaxial compression; 3.2. Confined tests on hollow cylinders; 3.3. Isotropic versus anisotropic permeability; 3.4. Conclusions; 4 Computations on Representative Reservoir Geometries; 4.1. Effect of repeated shocks; 4.2. Simulation on a typical reservoir geometry; 4.3. Optimization of the process; Concluding Remarks and Future Outlook; Bibliography; Index; End User License Agreement

2. Record Nr.	UNINA9910337482303321
Titolo	Acetabular Revision Surgery in Major Bone Defects / / edited by Eduardo García-Rey, Eduardo García-Cimbrelo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-98596-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (223 pages)
Disciplina	617.5810592
Soggetti	Orthopedics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Bone defects in acetabular revision hip surgery. Classification -- Bone defect determines acetabular revision hip surgery -- Uncemented acetabular components in revision hip surgery -- Revision hip surgery in ceramic acetabular liner fractures -- Trabecular metal use in acetabular revision hip surgery -- Bone impaction grafting: Rationale, technique and results in the acetabular side -- Acetabular reinforcement devices in revision hip surgery -- Dual mobility acetabular components in revision surgery -- Pelvic discontinuity management in revision hip surgery -- Re-revision acetabular surgery. Bone graft failure in large acetabular bone defects. .
Sommario/riassunto	This book reviews the most important issues related to acetabular revision hip surgery and assesses the different management procedures that are currently used in light of the challenging major defects. Since the 1970s there has been a continual rise in the annual number of total hip arthroplasty (THA) procedures which has increased the demand for revision surgeries. Most revisions operations of the hip are the result of acetabular problems and early failures are usually related to acetabular bone defects in complex primary THAs. Long-term failures are mostly due to wear debris and osteolysis-related problems and both types of complications are presented throughout the book. Surgeons with a special interest in hip reconstruction surgery will find this book to be an essential resource for successfully dealing with highly complex revision procedures. .

