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Titolo	Advances in geosciences [[electronic resource]] . Volume 6 Hydrological science (HS) // editor-in-chief, Wing-Huen Ip; volume editor-in-chief, Namsik Park
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Collana	Advances in geosciences ; ; 6
Altri autori (Persone)	IpW.-H ParkNamsik
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Soggetti	Planetary meteorology Space environment Earth sciences Space sciences Planetology Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	CONTENTS; Stochastic Generation of Multi-Site Rainfall Occurrences Ratnasingham Srikanthan and Geoffrey G. S. Pegram; 1. Introduction; 2. Multi-Site Rainfall Occurrence Model; 2.1. Hidden covariance model; 3. Daily Rainfall Data; 4. Discussion of Results; 5. Conclusions; Acknowledgments; References; A Spatial-Temporal Downscaling Approach for Construction of Intensity-Duration-Frequency Curves in Consideration of GCM-Based Climate Change Scenarios Tan-Danh Nguyen, Van-Thanh-Van Nguyen and Philippe Gachon; 1. Introduction; 2. The Spatial-Temporal Downscaling Method 2.1. Spatial downscaling technique using SDSM 2.2. A temporal downscaling method using the scaling GEV distribution; 3. Numerical Application; 4. Conclusions; References; Development and Applications of the Advanced Regional Eta-Coordinate Numerical Heavy-Rain Prediction Model System in China Cui Chunguang, Li Jun and Shi Yan; 1.

Development of Advanced Regional Eta Model; 2. Application of AREM in China; 2.1. Precipitation forecast experiments of different operational models; 2.2. Temporal and spatial evolution forecast experiment of AREM
2.3. Simulation experiments of some important rain event 2.4. Data assimilation experiments based on AREM; 3. Considerations for Further Development; References; Method of Correcting Variance of Point Monthly Rainfall Directly Estimated Using Low Frequent Observations From Space Eiichi Nakakita, Syunsuke Okane and Lisako Konoshima; 1. Introduction; 2. Correction of the Variance of Point Monthly Rainfall; 2.1. Feasibility of correction; 2.2. Modeling the relationship between the sample variance of the monthly precipitation and the number of observations
3. Verification of the Model Equation of the Sample Variance 3.1. Verification using information from the ground-based radar; 3.2. Verification using information from the ground-based radar considering observation frequency of the TRMM/PR; 3.3. Validation using TRMM/PR observation; 4. Introducing Spatial Correlation and Estimation of Temporal and Spatial, Correlation Lengths; 5. Conclusions; Acknowledgments; References; Monte Carlo Simulation for Calculating Drought Characteristics Chavalit Chaleeraktragoon and Supamit Noikumsin; 1. Introduction; 2. Simplified Monte Carlo Simulation Approach
3. Drought Characteristics 4. Assessment of the Simulation Approach; 4.1. Medium-scale system; 4.2. Large-scale system; 5. Summary and Conclusions; References; On Regional Estimation of Floods for Ungaged Sites Van-Thanh-Van Nguyen; 1. Introduction; 2. The Scaling Approach to Regional Estimation of Floods; 2.1. The scaling process; 2.2. The scaling GEV distribution; 3. Numerical Application; 3.1. Delineation of homogeneous regions; 3.2. Estimation of quantiles for ungaged sites; 4. Conclusions; References
Determination of Confidence Limits for Model Estimation Using Resampling Techniques N. K. M. Nanseer, M. J. Hall and H. F. P. Van Den Boogaard

Sommario/riassunto

Advances in Geosciences is the result of a concerted effort in bringing the latest results and planning activities related to earth and space science in Asia and the international arena. The Editors are all leading scientists in their research fields covering six sections: Hydrological Science (HS), Planetary Science (PS), Solar Terrestrial (ST), Solid Earth (SE), Ocean Science (OS) and Atmospheric Science (AS). The main purpose is to highlight the scientific issues essential to the study of earthquakes, tsunamis, atmospheric dust storms, climate change, drought, flood, typhoons, monsoons, spa

2. Record Nr.	UNICAMPANIAVAN00114795
Autore	Holzhauser, Michael
Titolo	Generalized network improvement and packing problems / Michael Holzhauser
Pubbl/distr/stampa	Wiesbaden, : Springer Spektrum, 2016
Titolo uniforme	Generalized network improvement and packing problems
Descrizione fisica	XVI, 213 p. : ill. ; 24 cm
Soggetti	90-XX - Operations research, mathematical programming [MSC 2020] 90B10 - Deterministic network models in operations research [MSC 2020] 90C60 - Abstract computational complexity for mathematical programming problems [MSC 2020] 90C90 - Applications of mathematical programming [MSC 2020]
Lingua di pubblicazione	Tedesco Inglese
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Livello bibliografico	Monografia
Note generali	Tesi di dottorato

3. Record Nr.	UNINA9910557726503321
Autore	Uhrlandt Dirk
Titolo	Environmental Compatible Circuit Breaker Technologies
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (156 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Recent research and development in the field of high-current circuit breaker technology are devoted to meeting two challenges: the environmental compatibility and new demands on electrical grids caused by the increasing use of renewable energies. Electric arcs in gases or a vacuum are the key component in the technology at present and will play a key role also in future concepts, e.g., for hybrid and fast switching required for high-voltage direct-current (HVDC) transmission systems. In addition, the replacement of the environmentally harmful SF6 in gas breakers and gas-insulated switchgear is an actual issue. This Special Issue comprises eight peer-reviewed papers, which address recent studies of switching arcs and electrical insulation at high and medium voltage. Three papers consider issues of the replacement of the environmentally harmful SF6 by CO2 in high-voltage gas circuit breakers. One paper deals with fast switching in air with relevance for hybrid fault current limiters and hybrid HVDC interrupters. The other four papers illustrate actual research on vacuum current breakers as an additional option for environmentally compatible switchgear; fundamental studies of the vacuum arc ignition, as well as concepts for the use of vacuum arcs for DC interruption.</p>