

# List of the most important scientific achievements for 2021

## Earth and Space Sciences

Bačík, Peter - Fridrichová, Jana - Uher, Pavel - Vaculovič, Tomáš - Bizovská, Valéria - Škoda, Radek - Dekan, Július - Miglierini, Marcel - Malíčková, Iveta  
Beryl crystal chemistry and trace elements: Indicators of pegmatite development and fractionation (Damara Belt, Namibia)  
In: Lithos. - Vol. 2021, No. 404-405 (2021), Art. No. 6441  
IF - JCR: 2020 - 4,004

Gurnáň, Daniel - Tolmáči, Ladislav - Danielová, Katarína - Gajdoš, Alfonz - Madleňák, Tibor - Pouš, Richard - Tolmáči, Anna - Zubriczký, Gabriel  
Geografia Afriky  
Bratislava : Univerzita Komenského v Bratislave, 2021. - 832 s. - ISBN 978-80-223-5126-3

Hyžný, Matúš - Dulai, Alfréd  
Badenian decapods of Hungary  
Szeged : Institute of Geosciences, University of Szeged, Hungary, 2021. - 291 s. - ISBN 978-963-306-783-3

Šujan, Michal - Rybár, Samuel - Kováč, Michal - Bielik, Miroslav - Majcin, Dušan - Minár, Jozef - Plašienka, Dušan - Nováková, Petronela - Kotulová, Júlia  
The polyphase rifting and inversion of the Danube Basin revised  
In: Global and Planetary Change. - Vol. 2021, No. 196 (2021), Art. No. 103375  
IF - JCR: 2020 - 5,114

Zahorec, Pavol - Papčo, Juraj - Pašteka, Roman - Bielik, Miroslav - Bonvalot, Sylvain - Nogová, Ema et al.  
The first pan-Alpine surface-gravity database, a modern compilation that crosses frontiers  
In: Earth System Science Data. - Vol. 13, No. 5 (2021), s. 2165-2209  
IF - JCR: 2020 - 11,333

Falt'an, Vladimír - Petrovič, František - Gábor, Marián - Šagát, Vladimír - Hruška, Matej  
Mountain Landscape Dynamics after Large Wind and Bark Beetle Disasters and Subsequent Logging - Case Studies from the Carpathians  
In: Remote Sensing. - Vol. 13, No. 19 (2021), Art. No. 3873  
IF - JCR: 2020 - 4,848