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Rock Mechanics, Numerical Analysis, Engineering Geology

期刊論文(Journal papers)

(一) SCI期刊論文 (*表通訊作者)

1. Wang, T.T.*, O.L.A. Kwok, F.S. Jeng (2021): Seismic response of tunnels revealed following the Chi-Chi earthquake: a review, *Engineering Geology*, 287, 106090.
2. M.C. Weng*, C.Y. Chang, F.S. Jeng, H.H. Li (2020): Evaluating the stability of anti-dip slate slope using an innovative failure criterion for foliation. Engineering Geology 275,105737.
3. Wang, T.T.*, F.S. Jeng, T.T. Lee (2020): Environmental impact of Hsuehshan Tunnel on water quality at Feitsui Reservoir and its tributaries, *Environmental Monitoring and Assessment*, 192, 700.
4. Zhan, S.S., T.T. Wang*, F.S. Jeng (2018): Fracture characterization using hydrogeological approaches and measures taken for groundwater inrush mitigation in shaft excavation, *Tunnelling and Underground Space Technology*, 82, 554-567.
5. Jeng, F.S., K.P. uang, K.J. Chang* (2018). Analytical Solution of Folding Behaviors of Multi-layer Viscous Strata, Terr. Atmos. Ocean. Sci. 29(4):355-370.
6. Jeng,F.S., M. C. Weng*, F.H. Yeh, Y.H. Yang, T.H. Huang (2017). A Constitutive model of sandstone considering the post peak behavior. Journal of Mechanics 35(1), 13-25.

(二) 非SCI期刊論文：

1. 李紫彤、陳玟伶、楊宜蓉、鄭富書、王泰典、劉曉樺、曹孟真、黃奉琦(2021)：精細測繪於岩坡脆弱度評估及監測應用，*中國土木水利工程學刊*，33(2)，151-162。(EI)
2. M.C. Weng*, F.S. Jeng, C.C. Chiu, Y.C. Lin (2020): Modeling rock bolt reinforcement by using the particulate interface model of DEM. Journal of Geoengineering. (EI)
3. 曹孟真、陳玟伶、李文正、鄭富書、王泰典(2019)：中橫公路大沙溪路段工程地質特性對公路養護之影響，*工程環境會刊*，39，131-159。

研討會論文(Conference papers)

1. 黃宥傑、蘇仁偉、蘇芳郁、王泰典、鄭富書(2020)：板岩邊坡穩定受不連續面影響探討－以田古爾溪口附近為例，第 18 屆大地工程學術研究討論會，墾丁，B27。
2. 陳玟伶、曹孟真、王泰典、鄭富書(2020)：岩坡上潛在移動岩塊辨識與視覺化技術，第 18 屆大地工程學術研究討論會，墾丁，P05。(本文獲選為特優論文)
3. 楊宜蓉、Johnson, K.M.、王泰典、鄭富書(2020)：利用震源機制解與大地震同震應力變化量逆推地殼三維應力場與軸差應力絕對值，以日本 311 大地震為例，第 18 屆大地工程學術研究討論會，墾丁，I09。
4. Wang, T.T., W.L. Chen, F.S. Jeng, M.C. Tsao, W. Lo, W.J. Lee (2020): Engineering geological factors affect maintenance of Dasha River section of Tai-8 Highway, ISRM International Symposium Eurock 2020 – Hard Rock Engineering, Trondheim, Norway, 14-19 June.
5. Tsao, M.C., W.L. Chen, F.S. Jeng, T.T. Wang (2019): Influence of engineering geological characteristics on highway maintenance: Example of Dasha River section of Central Cross-Island Highway. Proceedings of the 5th ISRM Young Scholars' Symposium on Rock Mechanics and International Symposium on Rock Engineering for Innovative Future (YSRM 2019& REIF 2019), December 1-4, Okinawa, Japan. P-30.
6. 劉曉樺、王泰典、鄭富書、黃燦輝(2017)：圍岩應力狀態及節理面剪脹效應對岩栓支撐功效的影響，第十六屆海峽兩岸隧道與地下工程學術與技術研討會論文集，8 月 19-20 日，貴州貴陽，168-175。