

Theme 5: Geothermal energy



Index No.	Paper No.	Paper Title	Authors	Affiliation
1	12	Development of a small and compact geothermal desalination system	Guo Xie, Licheng Sun and Tiantong Yan	Sichuan University
2	25	3-D Numerical Prediction of Vortices Group in Multiple Francis Turbines based on RNG-ELES Approach	Mengjiao Yang, Changbing Zhang, Duan Chen and Jinyao Li	Sichuan University
3	30	Research on the mechanical and thermal performance of the graphite-cement mixed composites	Haoran Guo, Lan Qiao and Yunyang Xiao	University of Science and Technology Beijing
4	35	Experimental investigation on the hydraulic property of single fractured granite under high temperature and high pressure	Peihua Jin, Yaoqing Hu, Jixi Shao, Guokai Zhao and Xiaozhou Zhu	Taiyuan University of Technology
5	58	A numerical analysis of Self-Similar Heat Exchanger for cooling the heat release equipments in deep space under the ground	Wei Tang, Licheng Sun, Jingjing Bao, Guo Xie, Min Du and Jiguo Tang	Sichuan University
6	88	High heat generating granites of Saudi Arabian shield. Future candidates for CO2 emissions reduction and climate mitigation.	Dornadula Chandrasekharam, Khalid Bankher and Ranjith Pathegama	Indian Institute of Technology Hyderabad
7	105	An efficient computational model for city-scale geothermal system	Zhihong Zhao, Guihong Liu and Hai Pu	Tsinghua University
8	108	An improved pipe network model for simulating fluid flow through discrete fracture networks	Chaoshui Xu, Corrado Fidelibus, Peter Dowd and Michael Leonard	The University of Adelaide
9	114	Digital rock physics and applications of high-resolution micro-CT techniques for geomaterials	Bankim Mahanta, P G Ranjith, T N Singh, Vikram Vishal, Wenhui Duan and Mohammed Sazid	Indian Institute of Technology Bombay, Mumbai, India
10	129	Effect of well layout on the output performance of enhanced geothermal system with multiple wells and areal flow	Bisheng Wu, Xi Zhang and Robert Jeffrey	CSIRO

Theme 5: Geothermal energy



11	133	An Acoustic Emission Device for True Triaxial Experiment System and Its Application	Huang Jie, Song Zhenlong and Yin Guangzhi	Chongqing University
12	137	Overpressure-induced fracture slip triggering in granite	Yinlin Ji, Yunzhong Jia and Wei Wu	Nanyang Technological University
13	151	Preliminary laboratory study on initiation and propagation of hydraulic fractures in granite using X-ray Computed Tomography	Li Zhuang, Kwang Yeom Kim, Sun Yeom, Sung Gyu Jung and Melvin Diaz	Korea University of Science and Technology