

InterPore2024

Monday, 13 May 2024

MS08: 1.1 (11:25 - 12:25)

time	[id] title	presenter
11:25	[6] Dispersion and Straining Behaviors of Non-Spherical Suspended Particles in Saturated Randomly Packed Beads: A Numerical and Theoretical Study	Mr CHEN, Yaoming
11:40	[7] Dispersion Control in Fractured Multi-Layer Porous Media System	LING, Bowen
11:55	[79] Non-monotonic effect of compaction on dispersion coefficient of porous medium	LIU, Yang
12:10	[487] Probing Transport in Geologic Porous Materials by Fast X-ray Micro-Computed Tomography	KUROTORI, Takeshi

MS08: 1.2 (13:25 - 14:55)

time	[id] title	presenter
13:25	[23] Investigating the limits of averaging: a numerical case study employing diffusion-reaction in porous media	RIEDER, David
13:40	[255] Reactive Solute Transport in Heterogeneous Porous Media	REN, Mengzi
13:55	[354] Fingering Instability During Mixing-Driven Precipitation Flow: Experiments and Simulations	Dr ZHAO, Benzong
14:10	[33] Pore-scale digital twin of sorption thermal energy storage in packed bed reactor using a machine-learning assisted dual-network model	QU, Mingliang
14:40	[95] Quantification of crystal surface reactivity using positron emission tomography (PET) techniques	SCHÖNGART, Jann

MS08: 1.3 (17:00 - 18:00)

time	[id] title	presenter
17:00	[437] Dissolution patterns and permeability evolution in dissolving fracture under mechanical deformation	LI, Kai
17:15	[565] A mechanistic investigation of oscillatory zoning using reactive transport modeling	Dr DENG, Hang
17:30	[789] Quantifying dissolution dynamics in porous media using a spatial flow focusing profile	SZAWELŁO, Tomasz
17:45	[417] Dynamics of contaminant flow through porous media containing biochar adsorbers	Dr PETTERSSON, Kaj

Tuesday, 14 May 2024

MS08: 2.1 (10:55 - 11:55)

time	[id] title	presenter
10:55	[192] Salinity-induced melting of underlying permafrost	WANG, Yumin
11:10	[299] How does access to continuous brine sources in saline aquifers enhance salt precipitation dynamics during geological CO2 storage?	Dr NOORAIPOUR, Mohammad
11:25	[808] Experimental and Numerical Study of Carbon Dioxide Geological Storage in Coal – A Comparative Analysis with the application of Positron Emission Tomography Imaging.	UTHAIA KUMARAN, Aaron
11:40	[832] Cotransport of clay and microplastics in saturated porous media	HORTA, Mahima