

No.	Conference, Workshop, Journal etc.	Title	Author (○ : First Author) Abbreviations of authors' affiliations are listed at the bottom of the page.
1	Chemosphere: Volume 291, Part 1, March 2022, 132775 [Peer-reviewed]	Soil-soil solution distribution coefficients of global fallout ²³⁹ Pu and ²³⁷ Np in Japanese paddy soils	○Jian Zheng ¹ , Tagami Keiko ¹ , Uchida Shigeo ¹ , Shibutani Sanae ² , Ishida Keisuke ² , Hamamoto Takafumi ² (1. QST, 2. NUMO)
2	The American Ceramic Society, 2022 Glass and Optical Materials Division Annual Meeting (GOMD 2022), 22-26 May 2022, Baltimore, Maryland, USA [Peer-reviewed]	R&D program of operational model of long-term performance for vitrified high-level radioactive waste	○Matubara Ryuta ¹ , Fujisaki Kiyoshi ¹ , Ishida Keisuke ¹ , Ishiguro Katsuhiko ¹ , Inagaki Yaohiro ² , Okubo Takahiro ³ , Mitsui Seiichiro ⁴ , Iwata Hajime ⁴ , Sekine Nobuyuki ⁵ (1. NUMO, 2. Kyushu University (JP), 3. Chiba University (JP), 4. JAEA, 5. NESI Inc. (JP))
3	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13-16 June 2022, Nancy, France	Applicability of different bentonites as buffer material for geological disposal in Japan	○Yamamoto Yoichi ¹ , Goto Takahiro ¹ , Yokoyama Shingo ² , Watanabe Yasutaka ² , Shimbashi Misato ² , Chijimatsu Masakazu ³ , Ito Ayumu ³ , Tachibana Shinya ⁴ (1. NUMO, 2. CRIEPI, 3. Hazama Ando Corporation (JP), 4. Kobe University (JP))
4	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13-16 June 2022, Nancy, France	Swelling characteristics and permeability of bentonites of various effective montmorillonite dry densities and exchangeable cation compositions	○Watanabe Yasutaka ¹ , Yokoyama Shingo ¹ , Shimbashi Misato ¹ , Yamamoto Yoichi ² , Goto Takahiro ² (1. CRIEPI, 2. NUMO)
5	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13-16 June 2022, Nancy, France	Numerical simulation of swelling pressure test on different types of unsaturated bentonite	○Ito Shinji ¹ , Tachibana Shinya ¹ , Iizuka Atsushi ¹ , Watanabe Yasutaka ² , Yamamoto Yoichi ³ (1. Kobe University (JP), 2. CRIEPI, 3. NUMO)
6	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13-16 June 2022, Nancy, France	Measurement of water potential and thermal conductivity of various bentonite mixed soils	○Ito Ayumu ¹ , Chijimatsu Masakazu ¹ , Yamamoto Yoichi ² , Goto Takahiro ² , Watanabe Yasutaka ³ (1. Hazama Ando Corporation (JP), 2. NUMO, 3. CRIEPI)

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7	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13–16 June 2022, Nancy, France	Study of critical density to prohibit microbially influenced corrosion in various domestic bentonites in Japan	○Goto Takahiro ¹ , Suzuki Satoru ¹ , Kitagawa Yoshito ¹ , Nagaoka Toru ² , Hirano Shinichi ² , Kurita Tokihiro ² , Yokoyama Shingo ² , Watanabe Yasutaka ² , Shimbashi Misato ² (1. NUMO, 2. CRIEPI)
8	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13–16 June 2022, Nancy, France	Analysis of re-saturation process of PEM for high level radioactive waste disposal	○Suzuki Satoru ¹ , Goto Takahiro ¹ , Sato Shin ¹ , Moriwa Motoki ² , Yamamoto Shuichi ² , Shimura Tomoyuki ² (1. NUMO, 2. Obayashi Corporation(JP))
9	Clay Conference 2022, 8th International Conference on Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, 13–16 June 2022, Nancy, France	Diffusion processes of anions in compacted bentonite evaluated from the activation energy	○Uematsu Shinichiro ¹ , Goto Takahiro ² , Suzuki Satoru ² , Nagaoka Toru ³ , Watanabe Nako ¹ , Kozaki Tamotsu ¹ (1. Hokkaido University(JP), 2. NUMO, 3. CRIEPI)
10	8th International Wworkshop on long-term prediction of corrosion in nuclear waste systems (LTG2022) , 22–24 June 2022, Baden, Switzerland	Study of microbial viability in various bentonite materials in Japan and impact on the corrosion assessment	○Suzuki Satoru ¹ , Nagaoka Toru ² , Hirano Shinichi ² , Goto Takahiro ¹ , Ogawa Yusuke ¹ , Yamamoto Yoichi ¹ , Kitagawa Yoshito ¹ (1. NUMO, 2. CRIEPI)
11	8th International Wworkshop on long-term prediction of corrosion in nuclear waste systems (LTG2022) , 22–24 June 2022, Baden, Switzerland	Electrochemical behaviour of copper-coating materials in compacted bentonite for geological disposal of HLW in Japan	○Nagata Shuhei ¹ , Ogawa Yusuke ¹ , Suzuki Satoru ¹ , Inoue Hiroyuki ² , Peter G. Keech ³ (1. NUMO, 2. Osaka Metropolitan University(JP), 3. NWMO)
12	8th International Wworkshop on long-term prediction of corrosion in nuclear waste systems (LTG2022) , 22–24 June 2022, Baden, Switzerland	Corrosion studies on a cast steel overpack for high-level radioactive waste disposal in Japan	○Ogawa Yusuke ¹ , Suzuki Satoru ¹ , Taniguchi Naoki ² , Kitayama Ayami ² , Kawasaki Manabu ² , Suzuki Hiroyuki ³ , Takahashi Rieko ⁴ (1. NUMO, 2. JAEA, 3. Inspection Development Company Ltd. (JP), 4. NESI Inc. (JP))

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13	Journal of Nuclear Science and Technology : Atomic Energy Society of Japan, 13 October 2022, Volume60, Issue5, pp.536-546 [Peer-reviewed]	Sorption of Sn and Nb on montmorillonite at neutral to alkaline pH	○ Ishidera Takamitsu ¹ , Okazaki Mitsuhiro ² , Yamada Yoshihide ² , Tomura Tsutomu ² , Shibutani Sanae ³ (1. JAEA, 2. Inspection Development Company Ltd. (JP), 3. NUMO)
14	American Nuclear Society : 2022 International High Level Radioactive Waste Management Conference (IHLRWM2022 conference) , 13-17 November 2022, Phoenix, AZ, USA [Peer-reviewed]	Model development of coupled THMC processes for a geological repository at higher temperature region	○Takubo Yusaku ¹ , Takayama Yusuke ² , Andres Idiart ³ , Tanaka Tatsuya ⁴ , Ishida Keisuke ¹ , Fujisaki Kiyoshi ¹ (1. NUMO, 2. JAEA, 3. AMPHOS 21 Consulting(ES), 4. Obayashi Corporation(JP))
15	American Nuclear Society : 2022 International High Level Radioactive Waste Management Conference (IHLRWM2022 conference) , 13-17 November 2022, Phoenix, AZ, USA [Peer-reviewed]	Development of the repository layout options for the HLW disposal in Japan	○Ichimura Tetsuhiro, Suzuki Satoru, Yamamoto Yoichi (NUMO)
16	American Nuclear Society : 2022 International High Level Radioactive Waste Management Conference (IHLRWM2022 conference) , 13-17 November 2022, Phoenix, AZ, USA [Peer-reviewed]	Validation of the Sampling Methodology of Statistical Fracture Network Realizations for Three-Dimensional Nuclide Transport Analysis	○Fumiko Yoshida ¹ , Hiroyuki Umeki ¹ , Hiromitsu Saegusa ¹ , Kazuaki Mitsuyama ² , Hirokazu Takahashi ² , Wataru Haneishi ² , Hiroyasu Takase ² (1. NUMO, 2. QJ Science(JP))
17	American Nuclear Society : 2022 International High Level Radioactive Waste Management Conference (IHLRWM2022 conference) , 13-17 November 2022, Phoenix, AZ, USA [Peer-reviewed]	Case Studies of the Repository Layout Design in the Virtual SDMs	○Satoru Suzuki, Tetsuhiro Ichimura, Hiromitsu Saegusa, Yoshito Kitagawa (NUMO)

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18	Journal of Nuclear Science and Technology : Atomic Energy Society of Japan, February 2023, Vol.60, 2023 Issue 8, pp.900-910 [Peer-reviewed]	Solubility of FeSe ₂ (cr) at 318 K in the presence of iron	○Yoshida Yasushi ¹ , Kitamura Akira ¹ , Shibutani Sanae ² (1. JAEA, 2. NUMO)
19	Chemical Geology : ELSEVIER SCIENCE, March 2023, Vol.621, 121299 [Peer-reviewed]	Modern and fossil seawater identification using ground- and pore-water dating from the western coast of the Miura Peninsula, Japan	○Hasegawa Takuma ¹ , Nakata Kotaro ¹ , Tomioka Yuichi ¹ , Kondo Hirofumi ¹ , Kunimaru Takanori ² , W. Russell Alexander ³ (1. CRIEPI, 2. NUMO, 3. Bedrock Geosciences(CH))
20	PFLOTRAN, Bitbucket	PFLOTRAN-Updates for Fully Anisotropic Permiability	○S J Benbow ¹ , K Mitsuyama ² , D Kawama ² , K Ozone ² , A E Bond ¹ , K Ishida ³ , K Fujisaki ³ , H Saegusa ³ (1. Quintessa Limited (UK), 2. QJ Science (JP), 3. NUMO)

List of Abbreviations

Abbreviation	English
NWMO	Nuclear Waste Management Organization, Canada
CRIEPI	Central Research Institute of Electric Power Industry, Japan
JAEA	Japan Atomic Energy Agency, Japan
NUMO	Nuclear Waste Management Organization of Japan, Japan
QST	National Institutes for Quantum Science and Technology, Japan