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Эх сурвалж: https://www.scopus.com

1. Aikawa, M., Y. Hanada, D. Ichinkhorloo, H. Haba, S. Takács, F. Ditrói, and Z. Szűcs. 2022. "Production Cross Sections of 47Sc Via Alpha-Particle-Induced Reactions on Natural Calcium Up to 29 MeV." *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms* 515: 1-6. doi:10.1016/j.nimb.2022.01.008.
2. Akrami, M. A. and **B. Bayartogtokh**. 2022. "A New Species of the Oribatid Mite Genus Epilohmannia (Acari: Oribatida: Epilohmanniidae), with a Key to Known Species from Iran." *Systematic and Applied Acarology* 27 (10): 1901-1910. doi:10.11158/saa.27.10.5.
3. Altanchimeg, T., A. Damdinsuren, **T. Renchin**, and D. Chimidnyam. 2022. "RELATIONSHIP ANALYSIS BETWEEN FOREST ABOVEGROUND BIOMASS AND VEGETATION INDICES USING SENTINEL-2 DATA.".
4. Altannavch, N., X. Zhou, M. A. Khan, A. Ahmed, **S. Naranmandakh**, J. -J Fu, and H. -C Chen. 2022. "Anti-Oxidant and Anticancerous Effect of Fomitopsis Officinalis (Vill. Ex Fr. Bond. Et Sing) Mushroom on Hepatocellular Carcinoma Cells in Vitro through NF-kB Pathway." *Anti-Cancer Agents in Medicinal Chemistry* 22 (8): 1561-1570. doi:10.2174/1871520621666210608101152.
5. Altansukh, G. and D. R. Osborn. 2022. "Using Structural Break Inference for Forecasting Time Series." *Empirical Economics* 63 (1): 1-41. doi:10.1007/s00181-021-02137-w.
6. Altantsetseg, N. 2022. "Chinese Studies in Mongolia during the “Double Cold War"." In *Sinology during the Cold War*, 127-153. doi:10.4324/9781003193548-8.
7. Amanze, C., X. Zheng, R. Anaman, X. Wu, B. A. Fosua, S. Xiao, M. Xia, et al. 2022. "Effect of Nickel (II) on the Performance of Anodic Electroactive Biofilms in Bioelectrochemical Systems." *Water Research* 222. doi:10.1016/j.watres.2022.118889.
8. Amanze, C., X. Zheng, M. Man, Z. Yu, C. Ai, X. Wu, S. Xiao, et al. 2022. "Recovery of Heavy Metals from Industrial Wastewater using Bioelectrochemical System Inoculated with Novel Castellaniella Species." *Environmental Research* 205. doi:10.1016/j.envres.2021.112467.
9. Amarsaikhan, D., A. Enkhmanlai, T. Bat-Erdene, E. Jargaldalai, and C. Bolorchuluun. 2022. "FEATURE EXTRACTION AND CLASSIFICATION OF HYPERSPECTRAL DATA OF MONGOLIA USING MACHINE LEARNING METHODS.".
10. Amarsanaa, S., A. Lkhagva, B. Chogsom, B. Bayaraa, B. Damdin, B. Tsooj, J. Nyamjav, B. Baival, and C. Jamsranjav. 2022. "Quantifying the Spatial Extent of Roads and their Effects on the Vegetation in Mongolia’s Gobi Desert." *Land* 11 (6). doi:10.3390/land11060820.
11. **Amartaivan, T. and P. Zuzaan**. 2022. "Trace Elements Analysis of Blood Samples and Serum using Total Reflection x-Ray Fluorescence." In *X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications*, 265-269. doi:10.1002/9781119645719.ch16.
12. Amarzaya, E., E. Jamsranjav, **T. Amartaivan**, and R. Khoroljav. 2022. "BREAKAGE OF DNA MOLECULES INDUCED BY ULTRA VIOLET LIGHT." *Advanced Physical Research* 4 (1): 10-15.
13. Arildii, D., S. Davaasambuu, A. Bazarvaani, and D. Javzandulam. 2022. "Optimization of Mordant Bleaching of Yak Wool with Hydrogen Peroxide at Low Temperature." *Journal of Natural Fibers* 19 (7): 2527-2538. doi:10.1080/15440478.2020.1819512.
14. Arildii, D., O. Ranaajav, O. Genenbat, A. Bazarvaani, and S. Davaasambuu. 2022. "Effect of various Transition Metal Ions on Mordanting Stage of Yak Wool Bleaching Process." *Mongolian Journal of Chemistry* 23 (49). doi:10.5564/mjc.v23i49.2138.
15. Ariunbold, G. O., V. A. Sautenkov, H. Li, R. K. Murawski, X. Wang, M. Zhi, **T. Begzjav,** A. V. Sokolov, M. O. Scully, and Y. V. Rostovtsev. 2022. "Observations of Ultrafast Superfluorescent Beatings in a Cesium Atomic Vapor Excited by Femtosecond Laser Pulses." *Physics Letters, Section A: General, Atomic and Solid State Physics* 428. doi:10.1016/j.physleta.2022.127945.
16. Ariunsaikhan, A., B. Batbaatar, B. Dorjsuren, and **S. Chonokhuu.** 2022. "Air Pollution Levels and PM2.5 Concentrations in Khovd and Ulaanbaatar Cities of Mongolia." *International Journal of Environmental Science and Technology*. doi:10.1007/s13762-022-04493-1.

17. Arsenault, E. R., J. H. Thorp, M. J. Polito, M. Minder, W. K. Dodds, F. Tromboni, A. Maasri, et al. 2022. "Intercontinental Analysis of Temperate Steppe Stream Food Webs Reveals Consistent Autochthonous Support of Fishes." *Ecology Letters* 25 (12): 2624-2636. doi:10.1111/ele.14113.
18. Augugliaro, C., S. Anile, B. Munkhtsog, C. Janchivlamdan, E. Batzorig, I. Mazzon, and C. Nielsen. 2022. "Activity Overlap between Mesocarnivores and Prey in the Central Mongolian Steppe." *Ethology Ecology and Evolution* 34 (5): 514-530. doi:10.1080/03949370.2021.1975312.
19. Baasandorj, G., **E. Byambajav**, N. Janchig, and T. Tserendorj. 2022. "Hydrotreatment of Middle Distillate from Mongolian Coal Tars." *Petroleum Chemistry* 62 (9): 1055-1061. doi:10.1134/S0965544122090122.
20. Baasanmunkh, S., **B. Oyuntsetseg**, Z. Tsegmed, I. D. Illarionova, N. Nyambayar, and H. J. Choi. 2022. "Taxonomic Notes and Distribution of Gueldenstaedtia (Chesneyinae, Fabaceae) in Mongolia." *Korean Journal of Plant Taxonomy* 52 (1): 64-70. doi:10.11110/kjpt.2022.52.1.64.
21. Baasanmunkh, S., **B. Oyuntsetseg**, M. Urgamal, J. Norris, T. Shiga, and H. J. Choi. 2022. "Notes on the Taxonomy of Nymphaeaceae and Menyanthaceae in Mongolia." *Journal of Asia-Pacific Biodiversity* 15 (1): 129-137. doi:10.1016/j.japb.2021.09.011.
22. Baasanmunkh, S., M. Urgamal, **B. Oyuntsetseg**, A. P. Sukhorukov, Z. Tsegmed, D. C. Son, A. Erst, et al. 2022. "Flora of Mongolia: Annotated Checklist of Native Vascular Plants." *PhytoKeys* 192: 63-169. doi:10.3897/PHYTOKEYS.192.79702.
23. Balgan, A., **T. Renchin**, and K. Ojgoosh. 2022. "An Experiment in Applying Differentiated Instruction in STEAM Disciplines." *Eurasian Journal of Educational Research* 2022 (98): 21-37. doi:10.14689/ejer.2022.98.02.
24. Bataa, B., K. Motohira, D. Dugar, T. -A Sainnokhoi, L. Gendenpil, T. Sainnokhoi, B. Pelden, et al. 2022. "Accumulation of Metals in the Environment and Grazing Livestock Near A Mongolian Mining Area." *Toxics* 10 (12). doi:10.3390/toxics10120773.
25. **Batbold, T.** 2022. "ON SOME HILBERT–PACHPATTE INEQUALITIES WITH ALTERNATING SIGNS." *Journal of Mathematical Inequalities* 16 (4): 1275-1283. doi:10.7153/jmi-2022-16-85.
26. **Batbold, T**., Y. Sawano, and G. Tumendemberel. 2022. "Sharp Bounds for Certain m-Linear Integral Operators on p-Adic Function Spaces." *Filomat* 36 (3): 801-812. doi:10.2298/FIL2203801B.
27. Batchuluun, S., K. Yasui, H. Matsune, K. Shiomori, S. Kiyoyama, and **O. Bayanjargal.** 2022. "Preparation and Characterization of Polystyrene Microcapsule Containing Phase Change Material by Volatile Exchange Impregnation." *Journal of Chemical Engineering of Japan* 55 (5): 217-224. doi:10.1252/jcej.21we120.
28. Batdelger, T. 2022. *Mining Development Strategy*. Contributions to Economics. doi:10.1007/978-981-19-5515-0_4.
29. Batdelger, T., D. Tuvshintugs, E. Usny-Ekh, K. -E Bayartsogt, M. Zagdbazar, O. Davaakhuu, O. Tserendorj, and U. Davaa. 2022. *Impact of Mining on Local Livelihood and Social Licensing in Mongolia*. Contributions to Economics. doi:10.1007/978-981-19-5515-0_6.
30. Batdelger, T. and M. Zagdbazar. 2022. "Does Mining Improve Rural Livelihood?: Evidence from Mongolia." *Resources Policy* 78. doi:10.1016/j.resourpol.2022.102794.
31. Baterdene, A., S. Nagao, B. Zorigt, **A. Ochir,** K. Fukushi, **D. Davaasuren**, B. Gankhurel, E. Munkhsuld, S. Tsetsgee, and A. Yunden. 2022. "Seasonal Variation and Vertical Distribution of Inorganic Nutrients in a Small Artificial Lake, Lake Bulan, in Mongolia." *Water (Switzerland)* 14 (12). doi:10.3390/w14121916.
32. Batsuren, K., G. Bella, A. Arora, V. Martinovic, K. Gorman, Z. Žabokrtský, A. Ganbold, et al. 2022. "The SIGMORPHON 2022 Shared Task on Morpheme Segmentation.".
33. Batsuren, K., G. Bella, and F. Giunchiglia. 2022. "A Large and Evolving Cognate Database." *Language Resources and Evaluation* 56 (1): 165-189. doi:10.1007/s10579-021-09544-6.
34. Batsuren, K., O. Goldman, S. Khalifa, N. Habash, W. Kieraś, G. Bella, B. Leonard, et al. 2022. "UniMorph 4.0: Universal Morphology.".

35. Battulga, B., M. Kawahigashi, and **B. Oyuntsetseg**. 2022. "Characterization of Biofilms Formed on Polystyrene Microplastics (PS-MPs) on the Shore of the Tuul River, Mongolia." *Environmental Research* 212. doi:10.1016/j.envres.2022.113329.
36. **Batzorig, U.** 2022. "DETERMINANTAL POLYNOMIALS OF A WEIGHTED SHIFT MATRIX WITH PALINDROMIC GEOMETRIC WEIGHTS." *Operators and Matrices* 16 (1): 309-322. doi:10.7153/oam-2022-16-24.
37. Bayaraa, B., A. Hirano, **M. Purevtseren**, **B. Vandansambuu**, B. Damdin, and E. Natsagdorj. 2022. "Applicability of Different Vegetation Indices for Pasture Biomass Estimation in the North-Central Region of Mongolia." *Geocarto International* 37 (25): 7415-7430. doi:10.1080/10106049.2021.1974956.
38. Bayarkhuu, B., B. -O Bat-Ochir, and I. Omura. 2022. "Feedback Controlled IPM Inverter with Single PCB Rogowski Coil Sensor.".
39. Bayarmagnai, D., **T. Rentsen,** and B. Darkhijav. 2022. "DEVELOPMENT LAND COVER CLASSIFICATION APPROACH USING LINEAR MIXING MODEL AND RANDOM FOREST IN GOOGLE EARTH ENGINE.".
40. **Bayarmagnai, G.** and S. Delger. 2022. "On the p-Adic Valuations of Sums of Powers of Integers." *Journal of Integer Sequences* 25 (8).
41. **Bayarsaikhan, U.,** T. K. Akitsu, K. Tachiiri, T. Sasagawa, T. Nakano, **B. -S Uudus**, and K. N. Nasahara. 2022. "Early Validation Study of the Photochemical Reflectance Index (PRI) and the Normalized Difference Vegetation Index (NDVI) Derived from the GCOM-C Satellite in Mongolian Grasslands." *International Journal of Remote Sensing* 43 (14): 5145-5172. doi:10.1080/01431161.2022.2128923.
42. **Bayartogtokh, B**. and Y. -S Bae. 2022. "New and Little Known Species of Soil Mites of the Family Oppiidae (Acari: Oribatida) from Korea." *International Journal of Acarology* 48 (3): 241-255. doi:10.1080/01647954.2022.2058086.
43. **Bayartogtokh, B**. and Y. -S Bae.2022. "New Findings of Oribatid Mites of the Genera Rhinoppia and Suctobelbella (Acari: Oribatida) from Korea." *Systematic and Applied Acarology* 27 (7): 1356-1387. doi:10.11158/saa.27.7.5.
44. **Bayartogtokh, B.,** S. G. Ermilov, and O. Joharchi. 2022. "Ontogenetic Instars of Lepidacarus Maafushiensis Sp. Nov. from the Maldives, with Remarks on Morphological Ontogeny of Lohmanniidae (Acari, Oribatida)." *Zootaxa* 5187 (1): 7-29. doi:10.11646/zootaxa.5187.1.4.
45. **Bayartogtokh, B.,** S. G. Ermilov, and A. A. KHAUSTOV. 2022. "An Interesting Sexually Dimorphic Species, Chamobates Callipygis Pavlichenko, 1991 (Acari, Oribatida, Chamobatidae), with Remarks on Sexual Dimorphism in Ceratozetoidea." *Zootaxa* 5115 (1): 91-102. doi:10.11646/zootaxa.5115.1.6.
46. Bella, G., E. Byambadorj, Y. Chandrashekar, K. Batsuren, D. A. Cheema, and F. Giunchiglia. 2022. "Language Diversity: Visible to Humans, Exploitable by Machines.".
47. Block-Berlitz, M., B. Ducke, H. Rohland, C. Franken, P. Suchowska, T. Batbayar, and **U. Erdenebat.** 2022. "Area-Optimized, Rapid UAV-Borne Recording of Medieval Heritage in Central Asia." *Journal of Field Archaeology* 47 (2): 90-104. doi:10.1080/00934690.2021.2007661.
48. Bold, B. -E, E. Urnukhsaikhan, and **T. Mishig-Ochir.** 2022. "Biosynthesis of Silver Nanoparticles with Antibacterial, Antioxidant, Anti-Inflammatory Properties and their Burn Wound Healing Efficacy." *Frontiers in Chemistry* 10. doi:10.3389/fchem.2022.972534.
49. **Bolortuya, D. and P. Zuzaan.** 2022. "X-Ray Fluorescence Analysis of Human Hair." In *X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications*, 405-418. doi:10.1002/9781119645719.ch27.
50. Bukhsuren, E., **U. Sambuu, O. -E Namsrai, B. Namsrai**, and K. H. Ryu. 2022. "Decision Support System for Mongolian Portfolio Selection." *Journal of Information Processing Systems* 18 (5): 637-649. doi:10.3745/JIPS.04.0255.
51. Bumaa, B., E. Uyanga, G. Sevjidsuren, **J. Davaasambuu**, and P. Altantsog. 2022. "Evolution of Electrochemical Properties of Polyaniline Doped by Graphene Oxide." *Polymer Bulletin* 79 (9): 7443-7458. doi:10.1007/s00289-021-03837-0.

52. Buyandelger, S. and B. Otgonbayar. 2022. "Mongolian Marmot Burrow Influences an Occupancy of Isabelline Wheatear." *Landscape and Ecological Engineering* 18 (2): 239-245. doi:10.1007/s11355-022-00494-x.
53. Buyandelger, S., B. Otgonbayar, and R. P. Reading. 2022. "MONGOLIAN MARMOT (Marmota Sibirica) ECOSYSTEM ENGINEERING EFFECTS ON HERPETOFAUNA." *Russian Journal of Herpetology* 29 (5): 275-283. doi:10.30906/1026-2296-2022-29-5-275-283.
54. Byambaa, M., G. Koutaki, and **L. Choimaa**. 2022. "6D Pose Estimation of Transparent Object from Single RGB Image for Robotic Manipulation." *IEEE Access* 10: 114897-114906. doi:10.1109/ACCESS.2022.3217811.
55. Byambaa, M., G. Koutaki, and **L. Choimaa**. 2022. *6D Pose Estimation of Transparent Objects using Synthetic Data*. Communications in Computer and Information Science. Vol. 1578 CCIS. doi:10.1007/978-3-031-06381-7_1.
56. Byambadorj, S. -O, **B. Nyam-Osor**, B. B. Park, T. Avirmed, G. S. Scippa, D. Chiatante, A. Montagnoli, and A. Dimitrova. 2022. "Afforestation of Mongolian Steppe: Patterns of Biomass Partitioning in Populus Sibirica and Ulmus Pumila Trees in Response to Management Supporting Measures." *Plant Biosystems* 156 (4): 969-981. doi:10.1080/11263504.2021.1985002.
57. Byambajav, U., W. -K Qie, A. Yarinpil, E. Batkhuyag, E. Choindonjamts, and D. Puntsag. 2022. "Uppermost Devonian–Lower Carboniferous Conodonts from the Indert Formation in the Shine Jinst Area, South Mongolia." *Palaeoworld*. doi:10.1016/j.palwor.2022.10.004.
58. Cardinali, I., M. Bodner, M. R. Capodiferro, C. Amory, N. Rambaldi Migliore, E. J. Gomez, E. Myagmar, et al. 2022. "Mitochondrial DNA Footprints from Western Eurasia in Modern Mongolia." *Frontiers in Genetics* 12. doi:10.3389/fgene.2021.819337.
59. Charzyński, P., M. Urbańska, G. Franco Capra, A. Ganga, P. Holmes, M. Szulczewski, U. -O Baatar, et al. 2022. "A Global Perspective on Soil Science Education at Third Educational Level; Knowledge, Practice, Skills and Challenges." *Geoderma* 425. doi:10.1016/j.geoderma.2022.116053.
60. **Choijil, E**., C. E. Méndez, W. -K Wong, J. P. Vieito, and **M. -U Batmunkh**. 2022. "Thirty Years of Herd Behavior in Financial Markets: A Bibliometric Analysis." *Research in International Business and Finance* 59. doi:10.1016/j.ribaf.2021.101506.
61. Christensen, I., L. K. Pedersen, M. Søndergaard, T. L. Lauridsen, S. Tserenpil, K. Richardson, C. A. Amorim, J. P. Pacheco, and E. Jeppesen. 2022. "Impact of Zooplankton Grazing on Phytoplankton in North Temperate Coastal Lakes: Changes Along Gradients in Salinity and Nutrients." *Hydrobiologia*. doi:10.1007/s10750-022-05017-1.
62. Chuluunbaatar, A. and **E. Rentsen**. 2022. "SOLVING A FRACTIONAL PROGRAMMING PROBLEM IN A COMMERCIAL BANK." *Journal of Industrial and Management Optimization* 18 (6): 4183-4190. doi:10.3934/jimo.2021153.
63. Chuluunbaatar, U. and L. U. Leland. 2022. *Reconsidering the Degree of Oppression of Mongol Women Under the Qing*. Journal of Asian History. Vol. 56. doi:10.13173/jah/2022/1-2/6.
64. Chuluunbat, S., **B. Boldgiv**, and J. C. Morse. 2022. "Caddisflies (Trichoptera) of Mongolia: An Updated Checklist with Faunistic and Biogeographical Notes." *ZooKeys* 1111: 245-265. doi:10.3897/zookeys.1111.76239.
65. Chuluundorj, K., T. Batdelger, and Y. Hosoi. 2022. *Introduction*. Contributions to Economics. doi:10.1007/978-981-19-5515-0_1.
66. Chuluundorj, K., D. Tuvshintugs, M. Zagdbazar, and U. Davaa. 2022. *Mining Sector Contracting in Mongolia*. Contributions to Economics. doi:10.1007/978-981-19-5515-0_2.
67. Dalkhsuren, D., K. Iwabuchi, T. Itoh, T. Narita, M. I. Piash, **B. Nachin**, and G. Sukhbaatar. 2022. "Effects of Ash Composition and Combustion Temperature on Reduced Particulate Matter Emission by Biomass Carbonization." *Bioenergy Research*. doi:10.1007/s12155-022-10526-x.
68. Damdinchogsom, J. 2022. "Relationship between Thermodynamics and the Rate of Organic Reaction (Open Discussion)." *Mongolian Journal of Chemistry* 23 (49): 63-65.
69. Damiran, S., O. Dorjdagva, B. Sukhee, and T. Myagmarsuren. 2022. "MACROECONOMIC DETERMINANTS OF STOCK MARKET VOLATILITY: EVIDENCE FROM POST

SOCIALIST COUNTRIES." *Journal of Eastern European and Central Asian Research* 9 (4): 569-580. doi:10.15549/jeecar.v9i4.966.
70. Dandarmaa, B., B. Bazartseren, U. Buyantogtokh, T. Luvsan, T. Oyun-Erdene, D. Batsuuri, B. -E Ochirbold, and S. Amarsanaa. 2022. "Dust Controls at the Coarse Ore Storage Facility, Oyu Tolgoi, Mongolia.". doi:10.36487/ACG_repo/2215_26.
71. Dashdondog, B. 2022. "NESTORIAN CHRISTIANITY AMONG THE MONGOLS." In *The Mongol World*, 631-641. doi:10.4324/9781315165172-48.
72. Dashdondog, B. 2022. "SHAMANS AT THE COURT OF THE QA'AN." In *The Mongol World*, 625-630. doi:10.4324/9781315165172-47.
73. Dashdondog, B. 2022. "THE MONGOLS IN THE EYES OF THE ARMENIANS." In *The Mongol World*, 761-771. doi:10.4324/9781315165172-61.
74. **Davaapurev, B. -O**, A. Fukumoto, B. Bolortuya, D. Boldbaatar, Y. Maehata, Y. Iizaka, F. Kato, **J. Batkhuu**, and Y. Anzai. 2022. "Methyl-β-D-Glucopyranoside from Scabiosa Comosa as a Quorum-Sensing Inhibitor." *Natural Product Communications* 17 (11). doi:10.1177/1934578X221139972.
75. Davaasambuu, S., D. Chuluunsukh, and **A. Amarsanaa**. 2022. "Formation of Arsenic Minerals in Aqueous Media during Electrocoagulation using Iron Electrodes." *ChemistrySelect* 7 (48). doi:10.1002/slct.202202403.
76. Delaplace, G. and P. Chuluunbat. 2022. "When the Picture Comes in." *Inner Asia* 24 (1): 103-130. doi:10.1163/22105018-02302019.
77. Dolzhenkova, E., G. Babenko, A. Voronov, I. Pritula, A. G. Fedorov, R**. Galbadrakh, and L. Enkhtor.** 2022. "Growth, Quality Characterization and Mechanical Hardness of DAST Crystals." *Acta Physica Polonica A* 141 (1): 41-46. doi:10.12693/APHYSPOLA.141.41.
78. **Dorjsuren, B., N. Batsaikhan**, D. Yan, O. Yadamjav, S. Chonokhuu, A. Enkhbold, S. Dorligjav, K. Wang, B. Weng, and T. Qin. 2022. "Trend Analysis of Hydro-Climatic Variables in Lake Baikal Basin." *Water Resources* 49 (1): 46-57. doi:10.1134/S0097807822010031.
79. Dovchin, S. and B. Shinjee. 2022. "The Non-Normativity of the Global South and the Normativity of the Global North: The Languaging as the Normativity of Diversity." *Discourse, Context and Media* 48. doi:10.1016/j.dcm.2022.100621.
80. Durden, L. A., C. Robinson, J. A. Cook, K. C. Bell, B. Nyamsuren, and S. E. Greiman. 2022. "Sucking Lice (Phthiraptera: Anoplura) Parasitizing Mongolian Rodents with the Description of a New Species of Hoplopleura from Mountain Voles (Alticola Spp.)." *Journal of Parasitology* 108 (4): 353-365. doi:10.1645/22-2.
81. Ebata, S., M. Aikawa, D. Gantumur, and H. Haba. 2022. "Activation Cross Sections of Alpha-Particle-Induced Reactions on Natural Lanthanum Up to 50 MeV." *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms* 530: 18-22. doi:10.1016/j.nimb.2022.09.002.
82. Enkhbayar, K., G. Battulga, and **S. Batbileg**. 2022. "Multi-Period Loan Interest Rate Nash Model with Basel II Solvency Constraint." *Bulletin of Irkutsk State University, Series Mathematics* 41: 3-18. doi:10.26516/1997-7670.2022.41.3.
83. Enkhbold, A., **U. Khukhuudei**, T. Kusky, X. Chun, G. Yadamsuren, B. Ganbold, and **T. Gerelmaa**. 2022. "Morphodynamic Development of the Terkhiin Tsagaan Lake Depression, Central Mongolia: Implications for the Relationships of Faulting, Volcanic Activity, and Lake Depression Formation." *Journal of Mountain Science* 19 (9): 2451-2468. doi:10.1007/s11629-021-7144-1.
84. Enkhbold, A., U. Khukhuudei, T. Kusky, **B. Tsermaa**, and D. Doljin. 2022. "Depression Morphology of Bayan Lake, Zavkhan Province, Western Mongolia: Implications for the Origin of Lake Depression in Mongolia." *Physical Geography* 43 (6): 727-752. doi:10.1080/02723646.2021.1899477.
85. Enkhtur, O., D. H. Gruman, and M. Munkhbat. 2022. "'Put Students' Dreams First': Student Perspectives on Secondary School Climate Improvement in Mongolia." *School Psychology International*. doi:10.1177/01430343221147268.
86. Erdemchimeg, B., A. G. Artukh, S. A. Klygin, G. A. Kononenko, T. I. Mikhailova, Y. M. Sereda, and A. N. Vorontsov. 2022. "Investigation of Production of Forward-Angle Fragments

in the 22Ne +Be/Ta(42 MeV/Nucleon) Nuclear Reactions." *Bulletin of the Russian Academy of Sciences: Physics* 86 (11): 1400-1405. doi:10.3103/S1062873822110107.

87. **Erdenebat, U.,** J. Burentogtokh, and W. Honeychurch. 2022. "THE ARCHAEOLOGY OF THE MONGOL EMPIRE." In *The Mongol World*, 507-533. doi:10.4324/9781315165172-42.
88. **Erdenetsogt, B. -O**, S. K. Hong, J. Choi, and I. Lee. 2022. "Depositional Environment and Petroleum Source Rock Potential of Mesozoic Lacustrine Sedimentary Rocks in Central Mongolia." *Marine and Petroleum Geology* 140. doi:10.1016/j.marpetgeo.2022.105646.
89. Erkhembayar, D., **T. Renchin**, and B. Darhijav. 2022. "MONITORING GROSS PRIMARY PRODUCTION USING THE SATELLITE DATA.".
90. Ermilov, S. G. and **B. Bayartogtokh**. 2022. "Ontogenetic Instars of Elliptochthonius Profundus Norton, 1975 (Acari, Oribatida, Elliptochthoniidae), with Remarks on Juveniles of the Superfamily Parhypochthonioidea." *Zootaxa* 5187 (1): 53-68. doi:10.11646/zootaxa.5187.1.6.
91. Fleming, K. and B. Shinjee. 2022. "English High-Stakes Testing and Constructing the 'International' in Kazakhstan and Mongolia." *Applied Linguistics Review*. doi:10.1515/applirev-2022-0067.
92. Galbayar, G. 2022. "The Hidden Meanings and Poetic Features of the Treatise “Činggis-Un Yisün Örlüg-Tei Öničin Köbegün-ü Čečelegsen Šastir”*." *Vestnik Sankt-Peterburgskogo Universiteta Vostokovedenie i Afrikanistika* 14 (3): 488-506. doi:10.21638/spbu13.2022.307.
93. Ganbat, D., Y. Bao, S. Dalantai, B. Natsagdorj, N. Tseren, T. Batsaikhan, U. Mandakh, and S. Bayarsaikhan. 2022. "CHANGES OF SAND DUNE DISTRIBUTION - A CASE STUDY IKH NUURUUDYN KHOTGOR OF MONGOLIA.". doi:10.5194/isprs-archives-XLIII-B4-2022-621-2022.
94. Gankhurel, B., K. Fukushi, **D. Davaasuren**, E. Imai, T. Kitajima, U. Udaanjargal, T. Gerelmaa, Y. Sekine, Y. Takahashi, and N. Hasebe. 2022. "Arsenic and Uranium Contamination of Orog Lake in the Valley of Gobi Lakes, Mongolia: Field Evidence of Conservative Accumulation of U in an Alkaline, Closed-Basin Lake during Evaporation." *Journal of Hazardous Materials* 436. doi:10.1016/j.jhazmat.2022.129017.
95. Gankhuu, B., J. Kleinow, A. Lkhamsuren, and A. Horsch. 2022. "DIVIDENDS AND COMPOUND POISSON PROCESSES: A NEW STOCHASTIC STOCK PRICE MODEL." *International Journal of Theoretical and Applied Finance* 25 (3). doi:10.1142/S0219024922500145.
96. Gantumur, B., F. Wu, **B. Vandansambuu**, B. Tsegmid, E. Dalaibaatar, and Y. Zhao. 2022. "Spatiotemporal Dynamics of Urban Expansion and its Simulation using CA-ANN Model in Ulaanbaatar, Mongolia." *Geocarto International* 37 (2): 494-509. doi:10.1080/10106049.2020.1723714.
97. Gantumur, D., M. Aikawa, T. Khishigjargal, **E. Norov**, S. Ebata, and H. Haba. 2022. "Production Cross Sections of 52Mn in Alpha-Particle-Induced Reactions on Natural Vanadium." *Applied Radiation and Isotopes* 184. doi:10.1016/j.apradiso.2022.110204.
98. Gao, Z., W. Li, X. Ding, W. Li, and **B. Nyamosor**. 2022. "Flow Field Characteristics of Wet Curtain and Fan in Multi-Span Greenhouse." *Paiguan Jixie Gongcheng Xuebao/Journal of Drainage and Irrigation Machinery Engineering* 40 (10): 1033-1039. doi:10.3969/j.issn.1674-8530.21.0281.
99. Giunchiglia, F., V. Maltese, A. Ganbold, and A. Zamboni. 2022. "An Architecture and a Methodology Enabling Interoperability within and Across Universities.". doi:10.1109/ICKG55886.2022.00017.
100. Gledenov, Y. M., Z. Cui, J. Liu, H. Jiang, Y. Hu, H. Bai, J. Chen, et al. 2022. "Cross Section of the 232Th(n, f) Reaction in the MeV Neutron Energy Region." *European Physical Journal A* 58 (5). doi:10.1140/epja/s10050-022-00716-8.
101. Golovchenko, V., S. Popov, V. Smirnov, V. Khlopin, F. Vityazev, **S. Naranmandakh,** A. S. Dmitrenok, and A. S. Shashkov. 2022. "Polysaccharides of Salsola Passerina: Extraction, Structural Characterization and Antioxidant Activity." *International Journal of Molecular Sciences* 23 (21). doi:10.3390/ijms232113175.
102. **Gompil, B**., B. Tseveen, and J. Almasbek. 2022. "Modeling and Control of Mongolian Forest Utilization: Impact of Illegal Logging." *Natural Resource Modeling* 35 (1). doi:10.1111/nrm.12333.

103. Gundegmaa, V., T. Dashmaa, C. Bilegtmandakh, Z. Tsegmed, J. Norris, **B. Oyuntsetseg,** A. S. Erst, and S. Baasanmunkh. 2022. "The Vascular Flora of the Sutai Khairkhan Mountain Nature Reserve, Mongolia." *Botanica Pacifica* 11 (1). doi:10.17581/BP.2022.11102.
104. Gundsambuu, S. 2022. "English Medium Instruction Programs in Private Universities in Mongolia - Rationales and Challenges." *Higher Education Forum* 19: 21-43.
105. Guo, M., Y. Zhao, J. Guo, **E. Byambajav**, G. Yan, Z. Zhang, P. Zhao, Z. Ni, and B. Zhang. 2022. "Removal Behavior and Mechanism of AAEMs and Fe in Zhundong Coal Under Acidic Ionic Liquid System." *Fuel* 320. doi:10.1016/j.fuel.2022.123997.
106. Guo, Z. -J, W. -Q Xie, Z. -J Cai, Y. -Y Zhang, Y. -L Ding, **S. Naranmandakh**, Y. -S Li, and W. -F Xiao. 2022. "The Top 100 most-Cited Articles on Exercise Therapy for Sarcopenia: A Bibliometric Analysis." *Frontiers in Medicine* 9. doi:10.3389/fmed.2022.961318.
107. Gupta, M., N. Thakur, D. Bansal, G. Chaudhary, B. Davaasambuu, and Q. Hua. 2022. "CNN-LSTM Hybrid Real-Time IoT-Based Cognitive Approaches for ISLR with WebRTC: Auditory Impaired Assistive Technology." *Journal of Healthcare Engineering* 2022. doi:10.1155/2022/3978627.
108. Hoang, V. K., O. Sambuu, J. Nishiyama, and T. Obara. 2022. "Feasibility of Sodium-Cooled Breed-and-Burn Reactor with Rotational Fuel Shuffling." *Nuclear Science and Engineering* 196 (1): 109-120. doi:10.1080/00295639.2021.1951063.
109. Hou, X., H. Bagan, T. Te, **B. Uudus**, and Q. Wang. 2022. "RESEARCH ON THE SPATIOTEMPORAL DISTRIBUTION OF XCO2 EMISSIONS BASED ON GOSAT SATELLITES IN CHINA.".
110. Iwanycki Ahlstrand, N., S. Gopalakrishnan, F. G. Vieira, V. C. Bieker, H. M. Meudt, S. Dunbar-Co, C. J. Rothfels, et al. 2022. "Travel Tales of a Worldwide Weed: Genomic Signatures of Plantago Major L. Reveal Distinct Genotypic Groups with Links to Colonial Trade Routes." *Frontiers in Plant Science* 13. doi:10.3389/fpls.2022.838166.
111. Jargalsaikhan, D., B. Darkhijav, **T. Rentsen**, E. Natsagdorj, and O. Lkhamjav. 2022. "Development of Prediction Method for Agricultural Land using Time Series Analysis in Dornod, Mongolia.".
112. Jiang, H., Z. Cui, Y. Hu, J. Liu, H. Bai, J. Chen, G. Zhang, et al. 2022. "Cross-Section Measurements for the 58,60,61Ni(n, α)55,57,58Fe Reactions at 8.50, 9.50 and 10.50 MeV Neutron Energies." *Chinese Physics C* 46 (2). doi:10.1088/1674-1137/ac3412.
113. Karasev, S., V. Vasilenko, and J. Urangua. 2022. "The Organization of Construction in the Territory of the Uryankhaysky Region at the Beginning of the 20th Century: Maintenance of Urban Policy, Cult Construction and Feature of their Realization.". doi:10.1063/5.0091637.
114. Kashihara, W., M. Shinoda, K. Tsuchiya, T. Isozaki, **B. Mijiddorj**, K. Ueda, and T. Suzuki. 2022. "Photochemical Reaction of Ketoprofen with Proteinogenic Amino Acids." *Journal of Physical Chemistry B* 126 (10): 2098-2107. doi:10.1021/acs.jpcb.1c10108.
115. Kechaykin, A. A., A. I. Shmakov, A. A. Batkin, V. Gundegmaa, Sh Baasanmunkh, **B. Oyuntsetseg**, H. J. Choi, et al. 2022. "New Findings in the Flora of Mongolia. Part 2." *Turczaninowia* 25 (1): 105-123. doi:10.14258/turczaninowia.25.1.9.
116. Khishigsuren, T., G. Bella, K. Batsuren, A. A. Freihat, N. C. Nair, A. Ganbold, H. Khalilia, Y. Chandrashekar, and F. Giunchiglia. 2022. "Using Linguistic Typology to Enrich Multilingual Lexicons: The Case of Lexical Gaps in Kinship.".
117. Khishigsuren, T., G. Bella, T. Brochhagen, D. Marav, F. Giunchiglia, and K. Batsuren. 2022. "How Universal is Metonymy? Results from a Large-Scale Multilingual Analysis.".
118. Khishigsuren, T., G. Bella, T. Brochhagen, D. Marav, F. Giunchiglia, and K. Batsuren.2022. "Metonymy as a Universal Cognitive Phenomenon: Evidence from Multilingual Lexicons.".
119. Khorloo, O., E. Ulambayar, and E. Altantsetseg. 2022. "Virtual Reconstruction of the Ancient City of Karakorum." *Computer Animation and Virtual Worlds* 33 (3-4). doi:10.1002/cav.2087.

120. Khosbayar, A., M. S. Andrade, and R. M. Miller. 2022. "The Relationship between Workaholism and Productivity for Mongolian Workers." *International Journal of Interdisciplinary Organizational Studies* 18 (1): 61-77. doi:10.18848/2324-7649/CGP/v18i01/61-77.
121. **Khukhuudei, U.,** T. Kusky, B. F. Windley, O. Otgonbayar, and L. Wang. 2022. "Ophiolites and Ocean Plate Stratigraphy (OPS) Preserved Across the Central Mongolian Microcontinent: A New Mega-Archive of Data for the Tectonic Evolution of the Paleo-Asian Ocean." *Gondwana Research* 105: 51-83. doi:10.1016/j.gr.2021.12.008.
122. Khurelbaatar, L., A. Batdelger, T. Khinayat, and **B. Oyuntsetseg**. 2022. "Pattern Recognition Method from Hydrochemical Parameters to Predict Uranium Concentrations in Groundwater." *Chemometrics and Intelligent Laboratory Systems* 222. doi:10.1016/j.chemolab.2022.104509.
123. Kikuchi, A., S. Erdenebayar, T. Kinoshita, and K. Konno. 2022. "A Study on Protruding Pattern Recognition of Jomon Potteries from 3D Point Clouds.". doi:10.1117/12.2626133.
124. Kim, N. K., Y. P. Kim, Y. S. Ghim, M. J. Song, C. H. Kim, K. S. Jang, K. Y. Lee, et al. 2022. "Spatial Distribution of PM2.5 Chemical Components during Winter at Five Sites in Northeast Asia: High Temporal Resolution Measurement Study." *Atmospheric Environment* 290. doi:10.1016/j.atmosenv.2022.119359.
125. Kodner, J., S. Khalifa, K. Batsuren, H. Dolatian, R. Cotterell, F. Akkuş, A. Anastasopoulos, et al. 2022. "SIGMORPHON-UniMorph 2022 Shared Task 0: Generalization and Typologically Diverse Morphological Inflection.".
126. Lacerot, G., S. Kosten, R. Mendonça, E. Jeppesen, J. L. Attayde, N. Mazzeo, F. Teixeira-de-Mello, et al. 2022. "Large Fish Forage Lower in the Food Web and Food Webs are More Truncated in Warmer Climates." *Hydrobiologia* 849 (17-18): 3877-3888. doi:10.1007/s10750-021-04777-6.
127. Lamchin, M., T. M. Bilintoh, W. -K Lee, **A. Ochir**, and C. -H Lim. 2022. "Exploring Spatio-Temporal Change in Global Land Cover using Categorical Intensity Analysis." *Frontiers in Forests and Global Change* 5. doi:10.3389/ffgc.2022.994713.
128. Lamchin, M., W. -K Lee, and S. W. Wang. 2022. "Multi-Temporal Analysis of Past and Future Land-Cover Changes of the Third Pole." *Land* 11 (12). doi:10.3390/land11122227.
129. Li, C. -S, G. C. Lai, S. Tsendsuren, R. J. Butler, and C. -C Liu. 2022. "Cognitive Abilities and Life Insurance Holdings: Evidence from 16 European Countries." *GENEVA Risk and Insurance Review*. doi:10.1057/s10713-022-00077-8.
130. Li, K., J. Wang, W. Cheng, Y. Wang, Y. Zhou, and **O. Altansukh**. 2022. "Deep Learning Empowers the Google Earth Engine for Automated Water Extraction in the Lake Baikal Basin." *International Journal of Applied Earth Observation and Geoinformation* 112. doi:10.1016/j.jag.2022.102928.
131. Li, Q., J. Wang, H. Xie**, A. Ochir, and D. Davaasuren**. 2022. "Applicability of Grassland Production Estimation using Remote Sensing for the Mongolian Plateau by Comparing Typical Regions in China and Mongolia." *Sustainability (Switzerland)* 14 (5). doi:10.3390/su14053122.
132. Liu, J., H. Jiang, Z. Cui, Y. Hu, H. Bai, J. Chen, G. Zhang, et al. 2022. "Cross Sections of the Ca 40 (n, α0)37Ar and Ca 40 (n, α)37Ar Reactions in the 8.50-9.50 MeV Neutron Energy Range." *Physical Review C* 106 (5). doi:10.1103/PhysRevC.106.054610.
133. Liu, X., Q. Lai, S. Yin, Y. Bao, S. Qing, S. Bayarsaikhan, L. Bu, et al. 2022. "Exploring Grassland Ecosystem Water use Efficiency using Indicators of Precipitation and Soil Moisture Across the Mongolian Plateau." *Ecological Indicators* 142. doi:10.1016/j.ecolind.2022.109207.
134. Liu, Z., D. Zhang, J. Guo, T. A. Tsiftsis, Y. Su, B. Davaasambuu, S. Garg, and T. Sato. 2022. "A Spatial Delay Domain-Based Prony Channel Prediction Method for Massive MIMO LEO Communications." *IEEE Systems Journal*: 1-12. doi:10.1109/JSYST.2022.3223145.
135. Luvsandavaajav, O., G. Narantuya, E. Dalaibaatar, and R. Zoltan. 2022. "A Longitudinal Study of Destination Image, Tourist Satisfaction, and Revisit Intention." *Journal of Tourism and Services* 13 (24): 128-149. doi:10.29036/jots.v13i24.341.

136. Ma, L., X. Huang, Q. Hai, B. Gang, S. Tong, Y. Bao, G. Dashzebeg, et al. 2022. "Model-Based Identification of Larix Sibirica Ledeb. Damage Caused by Erannis Jacobsoni Djak. Based on UAV Multispectral Features and Machine Learning." *Forests* 13 (12). doi:10.3390/f13122104.
137. Maestre, F. T., Y. Le Bagousse-Pinguet, M. Delgado-Baquerizo, D. J. Eldridge, H. Saiz, M. Berdugo, B. Gozalo, et al. 2022. "Grazing and Ecosystem Service Delivery in Global Drylands." *Science* 378 (6622): 915-920. doi:10.1126/science.abq4062.
138. **Marav, D.** 2022. "Mongolian Pre-Service English Teachers' Voices about their Teaching Practicum Experiences." *Education Sciences* 12 (5). doi:10.3390/educsci12050339.
139. **Marav, D**., A. Podorova, O. Yadamsuren, and B. Bishkhorloo. 2022. "Teaching Global English in a Local Context: Teachers' Realities in Mongolian Public Schools." *Asia Pacific Journal of Education* 42 (2): 276-289. doi:10.1080/02188791.2020.1823316.
140. Mas-Carrió, E., J. Schneider, B. Nasanbat, **S. Ravchig**, M. Buxton, C. Nyamukondiwa, C. Stoffel, et al. 2022. "Assessing Environmental DNA Metabarcoding and Camera Trap Surveys as Complementary Tools for Biomonitoring of Remote Desert Water Bodies." *Environmental DNA* 4 (3): 580-595. doi:10.1002/edn3.274.
141. Maskey, A., P. Lepcha, H. R. Shrestha, W. D. Chamika, T. L. D. Malmadayalage, M. Kishimoto, Y. Kakimoto, et al. 2022. "One Year on-Orbit Results of Improved Bus, LoRa Demonstration and Novel Backplane Mission of a 1U CubeSat Constellation." *Transactions of the Japan Society for Aeronautical and Space Sciences* 65 (5): 213-220. doi:10.2322/tjsass.65.213.
142. Meurs, M., A. Amartuvshin, O. Banzragch, M. Boldbaatar, and G. Poyatzis. 2022. "Women Herders: Women's Role and Bargaining Power in Mongolian Herding Households." *Central Asian Survey* 41 (1): 79-99. doi:10.1080/02634937.2021.1968345.
143. Mitova, M., P. Tomov, N. Kunicina, A. Patlins, M. Mansurova, and **O. -E Namsrai**. 2022. "Towards to Sustainability of Education: The Mutual Cooperation with Partners in Smart City Project.". doi:10.1109/ENERGYCON53164.2022.9830212.
144. Miyejav, I., B. Dorj, T. Oirov, and O. Itgel. 2022. "Examining the Reliability and Validity of a Mongolian Version of the Student Online Learning Readiness Instrument using Exploratory and Confirmatory Factor Analysis." *Journal of University Teaching and Learning Practice* 19 (5).
145. Mochizuki, Y., J. Bud, **E. Byambajav**, and N. Tsubouchi. 2022. "Influence of Ammonia Treatment on the CO2 Adsorption of Activated Carbon." *Journal of Environmental Chemical Engineering* 10 (2). doi:10.1016/j.jece.2022.107273.
146. Mochizuki, Y., J. Bud, **E. Byambajav**, and N. Tsubouchi. 2022. "Preparation and Evaluation of Activated Carbon from Low-Rank Coal Via Alkali Activation and its Fundamental CO2 Adsorption Capacity at Ambient Temperature Under Pure Pressurized CO2." *Reaction Chemistry and Engineering*. doi:10.1039/d2re00003b.
147. **Monkhoobor, D**., T. Altantuya, **B. Enkhsaruul, G. Enkhjargal**, J. Narangerel, and **G. Oyunbileg**. 2022. "Characterization and Pyrolysis of Mongolian Uvdug Khooloin Gashuun Oil Shale." *Oil Shale* 39 (2): 97-113. doi:10.3176/oil.2022.2.01.
148. Monna, F., T. Rolland, J. Magail, Y. Esin, B. Bohard, A. -C Allard, J. Wilczek, and C. Chateau-Smith. 2022. "ERA: A New, Fast, Machine Learning-Based Software to Document Rock Paintings." *Journal of Cultural Heritage* 58: 91-101. doi:10.1016/j.culher.2022.09.018.
149. Montagnoli, A., B. Lasserre, M. Terzaghi, S. -O Byambadorj, **B. Nyam-Osor**, G. S. Scippa, and D. Chiatante. 2022. "Fertilization Reduces Root Architecture Plasticity in Ulmus Pumila used for Afforesting Mongolian Semi-Arid Steppe." *Frontiers in Plant Science* 13. doi:10.3389/fpls.2022.878299.
150. Munclinger, P., A. Syrůčková, J. Náhlovský, W. Durka, A. P. Saveljev, F. Rosell, A. Stubbe, et al. 2022. "Recovery in the Melting Pot: Complex Origins and Restored Genetic Diversity in Newly Established Eurasian Beaver (Rodentia: Castoridae) Populations." *Biological Journal of the Linnean Society* 135 (4): 793-811. doi:10.1093/biolinnean/blac003.
151. Munkh-Erdene, A., B. Enkhbayar, O. Batkhishig, and **P. Myagmartseren.** 2022. "ENVIRONMENTAL IMPACT ASSESSMENT OF PIT LATRINES USING REMOTE

SENSING AND MULTI-CRITERIA SPATIAL ANALYSIS IN ULAANBAATAR (GER AREA), MONGOLIA.". doi:10.5194/isprs-archives-XLIII-B3-2022-1279-2022.

152. **Munkh-Erdene, L.** 2022. "MONGOL STATE FORMATION AND IMPERIAL TRANSFORMATION." In *The Mongol World*, 351-369. doi:10.4324/9781315165172-28.

153. Myagmar, K., B. Darkhijav, **T. Renchin**, and D. Chultem. 2022. "Cost–benefit Analysis for Riverbank Erosion Control Approaches in the Steppe Area." *Environment, Development and Sustainability*. doi:10.1007/s10668-022-02433-0.

154. Narantuya, C., M. Zagdbazar, K. -E Bayartsogt, D. Tuvshintugs, B. Munkh-Ireedui, and D. Begz. 2022. *Foreign Direct Investment in Mongolia: Impact and Determinants*. Contributions to Economics. doi:10.1007/978-981-19-5515-0_3.

155. Nyamsanjaa, K., **B. Oyuntsetseg**, Y. Takashima, N. Sakagami, and M. Watanabe. 2022. "Characteristics of Cenococcum Geophilum Sclerotia found in Steppe Forest Soil in Mongolia." *Journal of Forest Research* 27 (1): 76-82. doi:10.1080/13416979.2021.2008618.

156. Nyamsuren, O. and G. Ochirbat. 2022. "A Thin-Film Waveguide Problem with Positive Kerr Nonlinearity and its TM Standing Wave Solution.". doi:10.1088/1742-6596/2368/1/012017.

157. **Odsuren, M., G. Khuukhenkhuu**, C. Saikhanhavar, S. Davaa, O. Odgerel, and N. Baljinnyam. 2022. "Scattering Phase Shifts of Lithium Isotopes." *International Journal of Mathematics and Physics* 13 (1): 55-58. doi:10.26577/ijmph.2022.v13.i1.06.

158. **Odsuren, M., G. Khuukhenkhuu**, A. T. Sarsembayeva, N. Amangeldi, and K. Katō. 2022. "Analysis of Continuum Level Density for Virtual and Resonance States." *Indian Journal of Physics* 96 (2): 543-547. doi:10.1007/s12648-020-01994-y.

159. Orphanou, K., J. Otterbacher, S. Kleanthous, K. Batsuren, F. Giunchiglia, V. Bogina, A. S. Tal, A. Hartman, and T. Kuflik. 2022. "Mitigating Bias in Algorithmic Systems - A Fish-Eye View." *ACM Computing Surveys* 55 (5). doi:10.1145/3527152.

160. Otgonbayar, M., C. Atzberger, E. Sumiya, S. Dalantai, and J. Chambers. 2022. "Estimation of Bioclimatic Variables of Mongolia Derived from Remote Sensing Data." *Frontiers of Earth Science* 16 (2): 323-339. doi:10.1007/s11707-020-0862-9.

161. Oyundelger, K., D. Harpke, V. Herklotz, E. Troeva, Z. Zheng, Z. Li, B. Oyuntsetseg, V. Wagner, K. Wesche, and C. M. Ritz. 2022. "Phylogeography of Artemisia Frigida (Anthemideae, Asteraceae) Based on Genotyping-by-Sequencing and Plastid DNA Data: Migration through Beringia." *Journal of Evolutionary Biology* 35 (1): 64-80. doi:10.1111/jeb.13960.

162. **Sambuu, O**., V. K. Hoang, J. Nishiyama, and T. Obara. 2022. "Neutron Balance Features in Breed-and-Burn Fast Reactors." *Nuclear Science and Engineering* 196 (3): 322-341. doi:10.1080/00295639.2021.1980361.

163. **Sambuu, O**. and J. Terbish. 2022. "Burnable Poison Optimized on a Long-Life, Annular HTGR Core." *Nuclear Engineering and Technology* 54 (8): 3106-3116. doi:10.1016/j.net.2022.03.022.

164. Sattler, D. N., D. H. Gruman, O. Enkhtur, B. Muskavage, and **B. Bishkhorloo.** 2022. "Correction to: School Climate in Mongolia: Translation and Validation of the What's Happening in this School (Learning Environments Research, (2022), 25, 2, (325-340), 10.1007/s10984-021-09375-w)." *Learning Environments Research* 25 (2): 341. doi:10.1007/s10984-021-09387-6.

165. Sattler, D. N., D. H. Gruman, O. Enkhtur, B. Muskavage, and **B. Bishkhorloo.** 2022. "School Climate in Mongolia: Translation and Validation of the What's Happening in this School." *Learning Environments Research* 25 (2): 325-340. doi:10.1007/s10984-021-09375-w.

166. Seidl, A., K. Tremetsberger, S. Pfanzelt, L. Lindhuber, M. Kropf, B. Neuffer, F. R. Blattner, et al. 2022. "Genotyping-by-Sequencing Reveals Range Expansion of Adonis Vernalis (Ranunculaceae) from Southeastern Europe into the Zonal Euro-Siberian Steppe." *Scientific Reports* 12 (1). doi:10.1038/s41598-022-23542-w.

167. Sharavdorj, K., S. -O Byambadorj, Y. Jang, and J. -W Cho. 2022. "Application of Magnesium and Calcium Sulfate on Growth and Physiology of Forage Crops Under Long-Term Salinity Stress." *Plants* 11 (24). doi:10.3390/plants11243576.

168. Sharavdorj, K., Y. Jang, S. -O Byambadorj, and J. -W Cho. 2022. "The Effect of MgSO4 and CaSO4 on Seedlings of Forage Crops Under Environmental Stress." *Plant Physiology Reports* 27 (4): 702-716. doi:10.1007/s40502-022-00691-8.
169. Sharif, S., H. Q. Yousaf, S. Shaikh, F. Mirza, and U. Gantulga. 2022. "Hotels' Experience of Green Environment Management and Innovation Performance: Stewardship of Multiple Green Drivers." *Journal of Environmental Planning and Management*. doi:10.1080/09640568.2022.2070462.
170. Shiilegbat, I., **T. Rentsen**, B. Darkhijav, M. -E Altangerel, and J. Enkhtuya. 2022. "PREDICTING STEPPE FIRE USING SATELLITE DATA AND MACHINE LEARNING METHOD.".
171. Shimizu, K., **B. Mijiddorj**, M. Usami, I. Mizoguchi, S. Yoshida, S. Akayama, Y. Hamada, et al. 2022. "De Novo Design of a Nanopore for Single-Molecule Detection that Incorporates a β-Hairpin Peptide." *Nature Nanotechnology* 17 (1): 67-75. doi:10.1038/s41565-021-01008-w.
172. Shurenchuluun, T., U. Chinbat, C. Dari, **E. Rentsen**, E. Jamsranjav, and T. Tsogbadrakh. 2022. "Student Workload Computational Optimization: A Case of Business Administration Program.". doi:10.1145/3561877.3561905.
173. Soldatkhan, D., G. Yergaliuly, N. Amangeldi, B. Mauyey, **M. Odsuren**, A. A. Ibraheem, and S. Hamada. 2022. "New Measurements and Theoretical Analysis for the 16O + 12C Nuclear System." *Brazilian Journal of Physics* 52 (5). doi:10.1007/s13538-022-01153-0.
174. Solodovnikov, K. and **M. Erdene**. 2022. "The Phenomenon of Tall Stature of the People of Afanasyevo Culture in Altai and Khangai: Environmental Influence Or Eastern European Heritage?" *Stratum Plus* 2022 (2): 373-394. doi:10.55086/SP222373394.
175. Song, Y., T. Jeon, I. Paek, and **B. Dugarjav**. 2022. "Design and Validation of Pitch H-Infinity Controller for a Large Wind Turbine." *Energies* 15 (22). doi:10.3390/en15228763.
176. Sun, C., Y. Bao, **B. Vandansambuu**, and Y. Bao. 2022. "Simulation and Prediction of Land Use/Cover Changes Based on CLUE-S and CA-Markov Models: A Case Study of a Typical Pastoral Area in Mongolia." *Sustainability (Switzerland)* 14 (23). doi:10.3390/su142315707.
177. Sun, S. -J, M. Menšík, **C. Ganzorig,** P. Toman, and J. Pfleger. 2022. "Formation of Spin-Polarized Current in Antiferromagnetic Polymer Spintronic Field-Effect Transistors." *Physical Chemistry Chemical Physics* 24 (42): 25999-26010. doi:10.1039/d2cp03119a.
178. Suragtkhuu, S., S. Sunderiya, S. Purevdorj, M. Bat-Erdene, B. Sainbileg, M. Hayashi, A. S. R. Bati, J. G. Shapter, S. Davaasambuu, and M. Batmunkh. 2022. "Rhenium Anchored Ti3C2Tx (MXene) Nanosheets for Electrocatalytic Hydrogen Production." *Nanoscale Advances* 5 (2): 349-355. doi:10.1039/d2na00782g.
179. Suuri, B., O. Baatargal, **B. Bayartogtokh**, and R. P. Reading. 2022. "Ecosystem Engineering Influence of Mongolian Marmots (Marmota Sibirica) on Small Mammal Communities in Mongolia." *Journal of Asia-Pacific Biodiversity* 15 (2): 172-179. doi:10.1016/j.japb.2022.02.003.
180. Takatsuka, H., Y. Nomoto, K. Yamada, K. Mineta, C. Breuer, T. Ishida, A. Yamagami, K. Sugimoto, T. Nakano, and M. Ito. 2022. "MYB3R-SCL28-SMR Module with a Role in Cell Size Control Negatively Regulates G2 Progression in Arabidopsis." *Plant Signaling and Behavior*. doi:10.1080/15592324.2022.2153209.
181. Tang, Q., R. Burri, Y. Liu, A. Suh**, G. Sundev**, G. Heckel, and M. Schweizer. 2022. "Seasonal Migration Patterns and the Maintenance of Evolutionary Diversity in a Cryptic Bird Radiation." *Molecular Ecology* 31 (2): 632-645. doi:10.1111/mec.16241.
182. Temuujin, J., G. Ulziijargal, C. Yeruult, Z. Amarbayasgalan, T. Mungunzaya, **U. Bayarsaikhan, J. Khulan**, et al. 2022. "Distribution and Prevalence of Taenia Hydatigena, Taenia Multiceps, and Mesocestoides Spp. in Mongolian Sheepdogs." *Veterinary Parasitology: Regional Studies and Reports* 28. doi:10.1016/j.vprsr.2021.100680.
183. Terbish, B., I. Lietaert, B. Tegshee, and G. Roets. 2022. "Living at the Edge of the Capital City of Mongolia: Capturing the Socio-Spatial Aspects of Ger Residents' Lived Citizenship." *Citizenship Studies* 26 (3): 340-359. doi:10.1080/13621025.2022.2062705.

184. Topper, T., M. J. Betts, D. Dorjnamjaa, G. Li, L. Li, G. Altanshagai, B. Enkhbaatar, and C. B. Skovsted. 2022. "Locating the BACE of the Cambrian: Bayan Gol in Southwestern Mongolia and Global Correlation of the Ediacaran–Cambrian Boundary." *Earth-Science Reviews* 229. doi:10.1016/j.earscirev.2022.104017.
185. Tserendulam, N., L. Munkhchuluun, **T. Khishigjargal, and G. Chimed**. 2022. "Synthesis of CuFe2O4@GO Nanocomposites with Antibacterial and Sonophotocatalytic Properties for Wastewater Remediation." *MRS Communications* 12 (5): 873-877. doi:10.1557/s43579-022-00260-y.
186. **Tsermaa, B.,** J. S. Kim, B. C. Park, and K. Myung-Whun. 2022. "Numerical Simulation of Scalar Wave Scattering by a Circular Cylinder Buried in a Planar Substrate." *Journal of the Optical Society of America A: Optics and Image Science, and Vision* 39 (10): 1760-1765. doi:10.1364/JOSAA.464338.
187. Tsukada, K., Yurong, and B. Munguntsetseg. 2022. "Bilingual Advantage? Perception of the Japanese Consonant Length Contrast by Monolingual Vs Bilingual Speakers of Mongolian.". doi:10.1109/ISCSLP57327.2022.10037947.
188. Tuguldur, B., E. Urnukhsaikhan, N. Sukhbaatar, B. -E Bold, and **T. Mishig-Ochir.** 2022. "Spectroscopic Analysis of Everolimus and Human Serum Albumin Interaction.". doi:10.1063/5.0098027.
189. Tumurbat, S., **T. Khulan, and D. Dayantsolmon**. 2022. "A NOTE ON RADICALS OF ASSOCIATIVE RINGS AND ALTERNATIVE RINGS." *Miskolc Mathematical Notes* 23 (1): 175-182. doi:10.18514/MMN.2022.2601.
190. Udaanjargal, U., N. Hasebe, **D. Davaasuren**, K. Fukushi, Y. Tanaka, B. Gankhurel, N. Katsuta, S. Ochiai, Y. Miyata, and **T. Gerelmaa**. 2022. "Characteristics of Lake Sediment from Southwestern Mongolia and Comparison with Meteorological Data." *Geosciences (Switzerland)* 12 (1). doi:10.3390/geosciences12010007.
191. Unursaikhan, B., G. Amarsanaa, G. Sun, K. Hashimoto, O. Purevsuren, L. Choimaa, and T. Matsui. 2022. "Development of a Novel Vital-Signs-Based Infection Screening Composite-Type Camera with Truncus Motion Removal Algorithm to Detect COVID-19 within 10 Seconds and its Clinical Validation." *Frontiers in Physiology* 13. doi:10.3389/fphys.2022.905931.
192. Uranchimeg, K., B. Jargalsaikhan, A. Bor, K. Yoon, and H. Choi. 2022. "Comparative Study of the Morphology of Cellulose Nanofiber Fabricated using Two Kinds of Grinding Method." *Materials* 15 (20). doi:10.3390/ma15207048.
193. Urangua, K. J. 2022. "MONGOLIAN PAGE OF THE ULUS JOCHI' HISTORY." *Zolotoordynskoe Obozrenie* 10 (4): 819-839. doi:10.22378/2313-6197.2022-10-4.819-839.
194. Vaszkun, B., S. Koczkás, T. Ganbaatar, K. Chi-Hsien, Y. Yu, Y. Yao, B. Sárvári, and M. Orolmaa. 2022. "Does Confucius have a Say in Management Today? Empirical Evidence from Asia and Europe." *European Journal of International Management* 17 (2-3): 198-221. doi:10.1504/EJIM.2022.120715.
195. Ventresca Miller, A. R., S. Wilkin, J. Hendy, T. Turbat, D. Batsukh, N. Bayarkhuu, P. -H Giscard, et al. 2022. "The Spread of Herds and Horses into the Altai: How Livestock and Dairying Drove Social Complexity in Mongolia." *PLoS ONE* 17 (5 May). doi:10.1371/journal.pone.0265775.
196. Wang, B. -L, M. -U Batmunkh, O. Samdandash, D. Divaakhuu, and W. -K Wong. 2022. "Sustainability of Nursing Leadership and its Contributing Factors in a Developing Economy: A Study in Mongolia." *Frontiers in Public Health* 10. doi:10.3389/fpubh.2022.900016.
197. Wang, J., H. Wei, K. Cheng, A. Ochir, Y. Shao, J. Yao, Y. Wu, et al. 2022. "Updatable Dataset Revealing Decade Changes in Land Cover Types in Mongolia." *Geoscience Data Journal*. doi:10.1002/gdj3.149.
198. Wu, X. -L, W. -Q Liao, T. -J Peng, L. Shen, G. -Z Qiu, **D. Erdenechimeg,** and W. -M Zeng. 2022. "Biodissolution of Pyrite and Bornite by Moderate Thermophiles." *Journal of Central South University* 29 (11): 3630-3644. doi:10.1007/s11771-022-5166-7.

199. Xie, Y., H. Bagan, L. Tan, Y. La, T. Wu, **B. Uudus**, and Q. Wang. 2022. "MONITORING LAND SUBSIDENCE IN ULAANBAATAR, MONGOLIA BASED ON PS-INSAR TECHNOLOGY.".
200. Yao, J., J. Wang, X. Yan, H. Wei, **A. Ochir, and D. Davaasuren**. 2022. "Water Information Extraction of Selenga River Basin in Mongolia Based on Deep Neural Network." *Journal of Geo-Information Science* 24 (5): 1009-1017. doi:10.12082/dqxxkx.2022.210031.
201. Yi, Z., **T. K. Begzjav**, G. O. Ariunbold, A. M. Zheltikov, A. V. Sokolov, and M. O. Scully. 2022. "Multiple Pathway Quantum Beat Spectroscopy." *Frontiers in Physics* 10. doi:10.3389/fphy.2022.921499.
202. Zhang, G**., E. Sansarbayar**, Y. M. Gledenov, **G. Khuukhenkhuu**, L. Krupa, N. S. Gustova, M. G. Voronyuk, et al. 2022. "Cross Sections of the Zr 91 (n,α) Sr 88 Reaction in the 3.9-5.3 MeV Neutron Energy Region." *Physical Review C* 106 (6). doi:10.1103/PhysRevC.106.064602.
203. Zhang, Y., J. Wang, Y. Wang, **A. Ochir, and C. Togtokh**. 2022. "Land Cover Change Analysis to Assess Sustainability of Development in the Mongolian Plateau Over 30 Years." *Sustainability (Switzerland)* 14 (10). doi:10.3390/su14106129.
204. **Zhanlav, T**., C. Chun, and K. Otgondorj. 2022. "Construction and Dynamics of Efficient High-Order Methods for Nonlinear Systems." *International Journal of Computational Methods* 19 (9). doi:10.1142/S0219876222500207.
205. Zundui, T. and C. Avaajargal. 2022. "Word-Level Morpheme Segmentation using Transformer Neural Network.".
206. **Zuzaan, P. and D. Bolortuya.** 2022. "X-Ray Fluorescence Studies of Biological Objects in Mongolia." In *X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications*, 591-607. doi:10.1002/9781119645719.ch37.