

Topical index of articles published in the journal “Geosystems of Transition Zones” in 2021 (volume 5)

Author(s). Title	Year, Issue: Pages
Geotectonics and geodynamics	
<i>Zhigulev V.V., Zhigulev A.V.</i> Geological evolution of the northern Mid Kuril trough based on seismic facies analysis https://doi.org/10.30730/gtr.2021.5.3.275-286	2021, 3: 275–286
General and regional geology. Volcanology, Petrology	
<i>Degterev A.V., Chibisova M.V., Zharkov R.V.</i> Activity of Chirinkotan and Sarychev Peak volcanoes in 2021 (Kuril Islands) https://doi.org/10.30730/gtr.2021.5.4.354-360	2021, 4: 354–360
<i>Rasskazov S.V., Rybin A.V., Degterev A.V., Chuvashova I.S., Yasnygina T.A., Saranina E.V.</i> Pliocene adakite-like accent of andesites and dacites from the Orlov volcanic field (Sakhalin Island) https://doi.org/10.30730/gtr.2021.5.3.255-274	2021, 3: 255–274
<i>Kostrov Yu.V., Degtyarev V.A., Marinin A.V., Khmarin E.K., Kamenev P.A.</i> Study of fractured reservoirs during geological exploration in the north-eastern part of the Sakhalin Island https://doi.org/10.30730/gtr.2021.5.2.153-166	2021, 2: 153–166
<i>Degterev A.V., Chibisova M.V.</i> Activation of the Sarychev Peak volcano in 2020–2021 (Matua Isl., the Central Kuril Islands) https://doi.org/10.30730/gtr.2021.5.2.167-171	2021, 2: 167–171
<i>Bondarenko V.I., Rashidov V.A.</i> Underwater gas-hydrothermal activity within the Kuril island arc https://doi.org/10.30730/gtr.2021.5.1.004-013	2021, 1: 4–13
<i>Kazakov A.I., Veselov O.V., Kozlov D.N.</i> Statistical analysis of the distribution of phreatic eruption products in the caldera of the Golovnin volcano (Kunashir Island, Kuril Islands) https://doi.org/10.30730/gtr.2021.5.1.014-026	2021, 1: 14–26
Geophysics. Seismology	
<i>Safonov D.A., Fokina T.A.</i> Seismicity of the South Far East of Russia in 2020 https://doi.org/10.30730/gtr.2021.5.4.308-319	2021, 4: 308–319
<i>Leksin V.K.</i> Paleo-incisions and gas zones of Pliocene-Quaternary sediments at the site of engineering and geological surveys on the shelf of Sakhalin Island https://doi.org/10.30730/gtr.2021.5.4.320-327	2021, 4: 320–327
<i>Rebetsky Yu.L.</i> Concerning the theory of LURR based deterministic earthquake prediction https://doi.org/10.30730/gtr.2021.5.3.192-208.208-222	2021, 3: 192–222
<i>Valitov M.G., Proshkina Z.N.</i> Change in the amplitude indicators in tidal variations of gravity during the preparation of nearby earthquakes https://doi.org/10.30730/gtr.2021.5.3.223-228	2021, 3: 223–228
<i>Malyshev A.I., Malysheva L.K.</i> Precedent-extrapolation estimate of the seismic hazard in the Sakhalin and the Southern Kurils region https://doi.org/10.30730/gtr.2021.5.2.084-098.099-112	2021, 2: 84–112
<i>Prytkov A.S., Vasilenko N.F.</i> The March 25, 2020 M_w 7.5 Paramushir earthquake https://doi.org/10.30730/gtr.2021.5.2.113-120.121-127	2021, 2: 113–127
<i>Rodkin M.V.</i> On the foreshock cascade and extraordinary predictions, in relevance to the article by A.I. Malysheva and L.K. Malysheva “Precedent-extrapolation estimate of the seismic hazard in the Sakhalin and the Southern Kurils region” https://doi.org/10.30730/gtr.2021.5.2.128-132.133-137	2021, 2: 128–137
<i>Bogomolov L.M., Sychev V.N.</i> Fundamental for self-developing processes model and problems of its application to earthquakes prediction in the Far East region https://doi.org/10.30730/gtr.2021.5.2.138-145.145-152	2021, 2: 138–152
<i>Zakupin A.S., Boginskaya N.V.</i> Mid-term earthquake prediction using the LURR method on Sakhalin Island: A summary of retrospective studies for 1997–2019 and new approaches https://doi.org/10.30730/gtr.2021.5.1.027-045	2021, 1: 27–45
<i>Dudchenko I.P., Kostylev D.V., Gulyakov S.A., Stovbun N.S.</i> A geophysical pulse voltage generator for seismic and electric exploration of the subsurface https://doi.org/10.30730/gtr.2021.5.1.046-054	2021, 1: 46–54
<i>Rebetsky Yu.L.</i> On some aspects of the article «On the stress drop in North Eurasia earthquakes source-sites versus specific seismic energy». https://doi.org/10.30730/gtr.2021.5.1.055-059	2021, 1: 55–59
Geomorphology and evolution geography	
<i>Razjigaeva N.G., Ganzey L.A., Grebennikova T.A., Kopoteva T.A., Klimin M.A., Lyashevskaya M.S., Panichev A.M., Arslanov Kh.A., Maksimov F.E., Petrov A.Yu.</i> Development of Solontsovskie Lakes as indicator of humidity within Central Sikhote-Alin in the Late Holocene https://doi.org/10.30730/gtr.2021.5.3.287-304	2021, 3: 287–304
Geoinformatics	
<i>Bulgakov R.F.</i> 3D modeling of the hydroisostasy effect with a configuration of Moho surface of the Sea of Okhotsk close to real https://doi.org/10.30730/gtr.2021.5.4.339-345	2021, 4: 339–345
<i>Elokhina S.N., Myznikova T.S., Khudyakov A.A.</i> State of the information and analytic database of exogenous geological processes on the territory of the Ural Federal District https://doi.org/10.30730/gtr.2021.5.4.346-353	2021, 4: 346–353

<i>Nikonov V.S.</i> An algorithm for processing ice areas by Earth remote sensing data (by the example of MASIE-NH data) https://doi.org/10.30730/gtr.2021.5.1.067-071 Oceanology <i>Kovalev D.P., Kovalev P.D., Borisov A.S., Kirillov K.V.</i> Wave characteristics in the southern part of the Sea of Okhotsk – the area of water transport routes to the southern Kuril Island https://doi.org/10.30730/gtr.2021.5.4.328-338 <i>Shakirov R.B., Venikova A.L., Sokolova N.L., Obzhairov A.I., Veselov O.V., Maltceva E.V., Kuziv F.V.</i> Peculiarities of anomalous gas-geochemical fields in the East Deryugin graben of the Sea of Okhotsk https://doi.org/10.30730/gtr.2021.5.3.229-239 <i>Mishukova G.I., Yatsuk A.V., Shakirov R.B.</i> Distribution of methane fluxes on the water–atmosphere interface in different regions of the World Ocean https://doi.org/10.30730/gtr.2021.5.3.240-247.247-254 <i>Shevchenko G.V., Chastikov V.N.</i> On the unusual distribution of modified Amur River water in the Aniva Bay (Sakhalin) in November 2001 https://doi.org/10.30730/gtr.2021.5.2.172-178 <i>Korablev O.A.</i> On a new predictor affecting ice formation in the Sea of Okhotsk https://doi.org/10.30730/gtr.2021.5.1.060-066 Geoecology <i>Nikitenko O.A., Ershov V.V.</i> Hydrogeochemical indicators for the exploration and development of hydrocarbon fields: review, analysis and prospects for use on Sakhalin Island https://doi.org/10.30730/gtr.2021.5.4.361-377 <i>Kazmiruk V.D.</i> Mechanisms of plastic microparticles retention by buffer zones with macrophytes https://doi.org/10.30730/gtr.2021.5.4.378-388 <i>Ponomareva A.L., Polonik N.S., Obzhairov A.I., Shakirov R.B., Grigorov R.A., Schmale O., Mau S.</i> Interrelation of methane distribution with psychro-, meso- and thermophilic hydrocarbon-oxidizing microorganisms in the bottom sediments of the Kara Sea https://doi.org/10.30730/gtr.2021.5.4.389-393.394-398 <i>Lupakov S.Yu.</i> Estimation of the runoff elasticity of the rivers in the eastern part of the Amur River basin https://doi.org/10.30730/gtr.2021.5.2.179-188 Mechanics of deformable solids <i>Krasnyuk I.B., Zabolotin A.E.</i> Deterministic and stochastic oscillations of fractal type during cooling of the melt https://doi.org/10.30730/gtr.2021.5.4.439-447 Ecology <i>Motylkova I.V.</i> Taxonomic structure and ecology-geographical characteristic of phytoperiphyton in the Lyutoga River (Sakhalin Island) https://doi.org/10.30730/gtr.2021.5.4.399-427 <i>Kaganov V.V., Kordyukov A.V., Ezhkin A.K.</i> Distribution features of epiphytic lichens on <i>Populus maximowiczii</i> in Yuzhno-Sakhalinsk city and its suburbs. https://doi.org/10.30730/gtr.2021.5.4.428-438 Current Events Third National scientific and practical conference with international participation: «Oil and gas complex: problems and solutions»	2021, 1: 67–71 2021, 4: 328–338 2021, 3: 229–239 2021, 3: 240–254 2021, 1: 172–178 2021, 1: 60–66 2021, 4: 361–377 2021, 4: 378–388 2021, 4: 389–398 2021, 2: 179–188 2021, 4: 439–447 2021, 4: 399–427 2021, 4: 428–438 2021, 1: 72
--	--