# Andrey Darin

List of Publications by Year
in descending order



| 69 | 903 | 623734 14 | 501196 28 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 72 | 72 | 72 | 931 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Holocene environments and climate in the Mongolian Altai reconstructed from the Hoton-Nur pollen and diatom records: a step towards better understanding climate dynamics in Central Asia. Quaternary Science Reviews, 2009, 28, 540-554. | 3.0 | 204 |
| 2 | 800-yr-long records of annual air temperature and precipitation over southern Siberia inferred from Teletskoye Lake sediments. Quaternary Research, 2007, 67, 400-410. | 1.7 | 85 |
| 3 | A multi-proxy approach for revealing recent climatic changes in the Russian Altai. Climate Dynamics, 2012, 38, 175-188. | 3.8 | 49 |
| 4 | Seasonal and centennial cycles of carbonate mineralisation during the past 2500 years from varved sediment in Lake Shira, South Siberia. Quaternary International, 2013, 290-291, 245-252. | 1.5 | 41 |
| 5 | Status of X-ray fluorescence elemental analysis at VEPP-3. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 570-575. | 1.6 | 32 |
| 6 | Reconstruction of annual air temperatures for three thousand years in Altai region by lithological and geochemical indicators in Teletskoe Lake sediments. Doklady Earth Sciences, 2009, 426, 681-684. | 0.7 | 32 |
| 7 | Scanning X-ray microanalysis of bottom sediments using synchrotron radiation from the BINP VEPP-3 storage ring. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 182-184. | 0.6 | 28 |
| 8 | Environmental changes in the northern Altai during the last millennium documented in Lake Teletskoye pollen record. Quaternary Research, 2007, 67, 394-399. | 1.7 | 27 |
| 9 | ENVIRONMENTAL CHANGES IN THE MONGOLIAN ALTAI DURING THE HOLOCENE. Archaeology, Ethnology and Anthropology of Eurasia, 2008, 36, 2-14. | 0.2 | 21 |
| 10 | Use of a scanning XRF analysis on SR beams from VEPP-3 storage ring for research of core bottom sediments from Teletskoe Lake with the purpose of high resolution quantitative reconstruction of last millennium paleoclimate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 255-258. | 1.6 | 19 |
| 11 | Microelemental and mineral compositions of pathogenic biomineral concrements: SRXFA, X-ray powder diffraction and vibrational spectroscopy data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 603, 141-143. | 1.6 | 18 |
| 12 | Chemical and Textural Re-equilibration in the UG2 Chromitite Layer of the Bushveld Complex, South Africa. Journal of Petrology, 2018, 59, 1193-1216. | 2.8 | 17 |
| 13 | Reconstruction of ice conditions in the northern Chukchi Sea during recent centuries: Geochemical proxy compared with observed data. Quaternary International, 2019, 522, 23-37. | 1.5 | 17 |
| 14 | Scanning xâ€ray fluorescent microanalysis of rock samples. Review of Scientific Instruments, 1989, 60, 2456-2457. | 1.3 | 14 |
| 15 | Mineral and microelement compositions of urinary stones. Russian Journal of Inorganic Chemistry, 2006, 51, 1098-1105. | 1.3 | 14 |
| 16 | Tracing the North Atlantic decadal-scale climate variability in a late Holocene pollen record from southern Siberia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 426, 75-84. | 2.3 | 14 |
| 17 | Geochemical indicators of paleo-typhoons in shelf sediments. Geochemistry International, 2015, 53, 383-388. | 0.7 | 13 |
| 18 | Palaeoclimate chronology and aridization tendencies in the Transbaikalia for the last 1900 years. Geography and Natural Resources, 2010, 31, 144-147. | 0.3 | 12 |

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|---|---|---|---|
| 19 | Carotenoids of phototrophic organisms in bottom sediments of meromictic Lake Shira (Siberia, Russia) as an indicator of past stratification. Doklady Biological Sciences, 2011, 439, 228-231. | 0.6 | 12 |
| 20 | Vegetation of Central Transbaikalia in the Late Glacial period and Holocene. Geography and Natural Resources, 2013, 34, 172-178. | 0.3 | 12 |
| 21 | Sedimentation in Proval Bay (Lake Baikal) after earthquake-induced subsidence of part of the Selenga River delta. Russian Geology and Geophysics, 2010, 51, 1275-1284. | 0.7 | 11 |
| 22 | Reconstruction of the conditions of Late Holocene sedimentation by integrated analysis of a core of the bottom sediments from the Chukchi Sea. Doklady Earth Sciences, 2016, 469, 841-845. | 0.7 | 10 |
| 23 | Phosphorites of the Arkheologicheskaya Cave (Khakassia, East Siberia). Lithology and Mineral Resources, 2005, 40, 48-55. | 0.6 | 9 |
| 24 | Silicon isotope composition of diatoms as a paleoenvironmental proxy in Lake Huguangyan, South China. Journal of Asian Earth Sciences, 2012, 45, 268-274. | 2.3 | 9 |
| 25 | Annual Sedimentary Record From Lake Donguz-Orun (Central Caucasus) Constrained by High Resolution SR-XRF Analysis and Its Potential for Climate Reconstructions. Frontiers in Earth Science, 2018, 6, . | 1.8 | 9 |
| 26 | LATE HOLOCENE SEDIMENTATION IN ACTIVE GEOLOGICAL STRUCTURES OF THE CHUKCHI SEA. Geodinamika I Tektonofizika, 2018, 9, 199-219. | 0.7 | 9 |
| 27 | The rate of sedimentation in Lake Arakhlei (Central Transbaikalia), from radiogeochemical and palynological data. Russian Geology and Geophysics, 2014, 55, 369-375. | 0.7 | 8 |
| 28 | Scanning X-ray fluorescence microanalysis of annual layers in samples of Lake Shira bottom sediments. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 185-187. | 0.6 | 7 |
| 29 | Sedimentation rate in Cheko Lake (Evenkia, Siberia): New evidence on the problem of the 1908 Tunguska Event. Doklady Earth Sciences, 2017, 476, 1226-1228. | 0.7 | 7 |
| 30 | On the Search and Localization of Platinum-Group Microelements in Samples of the Chromite Horizon in the Bushveld Complex. Journal of Surface Investigation, 2018, 12, 123-127. | 0.5 | 7 |
| 31 | Sedimentation in Proval Bay (Lake Baikal) after catastrophic flooding of the coastal plain in 1862. Doklady Earth Sciences, 2007, 417, 1315-1319. | 0.7 | 6 |
| 32 | Influence of meteorological conditions on the geochemistry of modern bottom sediments exemplified by deposits of Donguz-Orun Lake, Caucasus. Doklady Earth Sciences, 2015, 463, 842-846. | 0.7 | 6 |
| 33 | Anomalies of bromine in the estuarine sediments as a signal of floods associated with typhoons. Chinese Journal of Oceanology and Limnology, 2015, 33, 1489-1495. | 0.7 | 6 |
| 34 | Complex use of the geochemical features of bottom deposits and pollen records for paleoclimate reconstructions (with lake Teletskoe, Altai Republic, as an example). Contemporary Problems of Ecology, 2015, 8, 405-413. | 0.7 | 6 |
| 35 | Climate prediction for the extratropical northern hemisphere for the next 500 years based on periodic natural processes. Russian Meteorology and Hydrology, 2016, 41, 593-600. | 1.3 | 6 |
| 36 | Scanning X-ray fluorescence microanalysis of phosphorites from the underwater mountains of the Pacific. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 318-320. | 1.6 | 5 |

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|---|---|---|---|
| 37 | Carotenoids in bottom sediments of lake Shira as a paleoindicator for reconstruction of Lake States in Khakassiya, Russia. Contemporary Problems of Ecology, 2012, 5, 434-442. | 0.7 | 5 |
| 38 | Physicochemical conditions of seasonal carbonate precipitation in Shira lake (Khakasia). Doklady Earth Sciences, 2012, 446, 1099-1101. | 0.7 | 5 |
| 39 | Influence of Global Climate Changes in Past Centuries on the Chemical Composition of Bottom Sediments in the Chukchi Sea. Russian Meteorology and Hydrology, 2018, 43, 251-257. | 1.3 | 5 |
| 40 | Reconstructing the Frequency of Catastrophic Floods on the Western Coast of the Sea of Japan Based on Sedimentary Proxy. Russian Meteorology and Hydrology, 2019, 44, 62-70. | 1.3 | 5 |
| 41 | Studying variations in the elemental composition of annual layers in microsections of lake teletskoye sediments by means of scanning X-ray fluorescent microanalysis using synchrotron radiation. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 188-190. | 0.6 | 4 |
| 42 | Seasonal geochemical signals in varves of the Lake Donguz-Orun bottom sediments from scanning X-ray fluorescence with the use of microcapillary X-ray optics. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 122-125. | 0.6 | 4 |
| 43 | Microrhythmic distribution of Co, Mn, Ni, and La contents in cobalt-rich ferromanganese crusts from the Magellan Seamounts. Geochemistry International, 2015, 53, 19-38. | 0.7 | 4 |
| 44 | Chukchi Sea Ice Conditions for the Last Few Centuries: Reconstruction from Sedimentation Records. Doklady Earth Sciences, 2018, 480, 767-772. | 0.7 | 4 |
| 45 | Ice Coverage of the Laptev Sea and Air Temperature Variation during Recent Centuries: Observed Data and Reconstructions Using a Geochemical Proxy. Current Chinese Science, 2022, 2, 198-212. | 0.5 | 4 |
| 46 | Estimation of modern sedimentation rate in Zun-Torei Lake (East Trans-Baikal Region) by 137Cs. Doklady Earth Sciences, 2011, 437, 335-339. | 0.7 | 3 |
| 47 | Measurement of rare-earth element content in rock standards by XFA method with use of synchrotron radiation from the storage ring VEPP-4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 292-294. | 1.6 | 2 |
| 48 | Microanalytical study of varves in the recent sediments of Lake Bele. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 131-133. | 0.6 | 2 |
| 49 | First results of the application of scanning XRF analysis with synchrotron-radiation beams from the VEPP-3 to study the spatial distribution of trace elements in samples of stratiform chromite ores. Journal of Surface Investigation, 2016, 10, 88-91. | 0.5 | 2 |
| 50 | Searching for Annually Stratified Bottom Sediments in Altai Mountain Lakes by Means of XRF Microanalysis Using Synchrotron Radiation. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 194-197. | 0.6 | 2 |
| 51 | Conceptual Design for a Microfocus Beamline on the SKIF Synchrotron. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 180-183. | 0.6 | 2 |
| 52 | Distribution of Germanium and Other Elements in Samples of the Chelyabinsk Meteorite, Determined via Scanning Synchrotron Radiation X-ray Fluorescence Microanalysis. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1433-1436. | 0.6 | 2 |
| 53 | Long-Chain Alkenones in Saline Meromictic Lakes of the North Minusinsk Depression (Southern) Tj ETQq1 1 0.784314 rgBT /Overlock 1<br>Problems of Ecology, 2020, 13, 643-655. | 0.7 | 2 |
| 54 | Distribution and carbon isotopic composition of long-chain leaf wax n-alkanes from Holocene lake sediments in the Altai Mountains. Quaternary International, 2022, 625, 29-37. | 1.5 | 2 |

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|---|---|---|---|
| 55 | X-Ray fluorescence analysis using synchrotron radiation of manganese minerals from marine and lake bottom sediments. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 195-198. | 0.6 | 1 |
| 56 | Correlation between the mineral and microelement compositions of bottom sediments from the Sea of Okhotsk. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 98-102. | 0.6 | 1 |
| 57 | Reconstructing the levels of Lake Shira over the last 1500 years with an annual time scale based on data from X-Ray fluorescence microanalysis using beams of synchrotron radiation. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 126-130. | 0.6 | 1 |
| 58 | Natural periodic processes and climate variability in the Northern Hemisphere. Doklady Earth Sciences, 2017, 477, 1470-1472. | 0.7 | 1 |
| 59 | Indicators of Oxic and Anoxic Conditions in the System of the Current Sedimentation of Saline Lake Shira (Khakassia), According to High-Resolution SR XRF Data on Bottom Sediments Frozen In Situ. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 198-203. | 0.6 | 1 |
| 60 | Dynamics of the Regional Climatic Conditions over the Past 2000 Years on the Basis of Lithogeochemical Analysis of the Bottom Sediments of Lake Karakyol (Western Caucasus). Izvestiya Rossiiskoi Akademii Nauk Seriya Geograficheskaya, 2019, , 73-85. | 0.1 | 1 |
| 61 | GEOCHEMICAL SIGNALS OF PALEOCLIMATE IN THE VARVED CLASTIC AND CARBONATE LAKE SEDIMENTS. , 2013, , . | | 1 |
| 62 | Constructing Lithological/Geochemical Time Series in the Cross Sections of Bottom Sediments of Lake Karakel Using Data from Micro-XRF Scanning with a Beam of Synchrotron Radiation on the VEPP-3 Storage Ring. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 190-193. | 0.6 | 0 |
| 63 | Layered Nb-REE ores in the Tomtor Complex (Arctic Siberia): Formation conditions. E3S Web of Conferences, 2019, 98, 05011. | 0.5 | 0 |
| 64 | Geochemical Features of Annual Layers of Bottom Sediments of Freshwater Lakes, Studied via Synchrotron Radiationâ€“Induced XRF Microanalysis. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1437-1440. | 0.6 | 0 |
| 65 | THE SEARCH FOR PERIODICITY IN HIGH-RESOLUTION PALEOCLIMATIC RECONSTRUCTIONS LAST MILLENNIA ALTAI REGION. , 2013, , . | | 0 |
| 66 | GEOCHEMICAL INDICATORS OF CLIMATE CHANGE IN THE ANNUAL LAYERS OF BOTTOM SEDIMENT LAKE SHIRA (SOUTH SIBERIA). , 2013, , . | | 0 |
| 67 | THE AGE MODEL SEDIMENTATION IN LAKE SHIRA (KHAKASIA, RUSSIA) USING VARVES COUNTING AND RADIOCARBON DETERMINATIONS. , 2014, , . | | 0 |
| 68 | CLIMATE VARIABILITY IN ALTAI MOUNTAINS (RUSSIA) IN LATE HOLOCENE INFERRED FROM LAKE SEDIMENTS, GLACIER, AND MAXIMUM LATEWOOD DENSITY OF TREE. , 2016, , . | | 0 |
| 69 | FLUCTUATIONS OF THE WATER LEVEL OF LAKE TELETSKOYE, SOUTHERN SIBERIA, IN LATE HOLOCENE SHOWN BY THE BOTTOM SEDIMENT GEOCHEMISTRY AND SIBERIAN LARCH RADIAL GROWTH. , 2017, , . | | 0 |