Topic 9 - Top Papers Report

Total papers analyzed: 5781

Papers above threshold: 159

Threshold value: 0.2370

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| Title | Year | Type | Submitted By | Topic 9 Score |
| Bioremediation of Antarctic soils contaminated with hydrocarbons. Rational design of bioremediation strategies | 2011 | ip | Argentina | 0.7982 |
| Solution of the problem of influence of Freon clathrate hydrates in the drilling fluid on lake water purity in the deep borehole at the Russian Vostok station | 2016 | ip | Russian Federation | 0.7869 |
| Approaches to study of the water layer of subglacial lakes in the Antarctic | 2013 | wp | Russian Federation | 0.7606 |
| Methodology for clean access to the subglacial environment associated with the Whillans Ice Stream | 2011 | ip | United States | 0.7224 |
| To discovery of unknown bacteria in Lake Vostok | 2013 | ip | Russian Federation | 0.6666 |
| Argentine activities of bioprospecting and bioremediation in Antarctica | 2006 | ip | Argentina | 0.6547 |
| Uses of a krill diet for the treatment of atherosclerosis | 1997 | ip | Uruguay | 0.6460 |
| Answers to comments on CEE for “Water Sampling the Subglacial Lake Vostok” | 2010 | wp | Russian Federation | 0.6319 |
| Biological Prospecting in Antarctica | 2005 | ip | Spain | 0.6266 |
| Presence of SARS-CoV-2 in waste water in Antarctica and risk assessment. | 2023 | ip | Chile | 0.6039 |
| Study of the water column of the Subglacial Lake Vostok | 2014 | ip | Russian Federation | 0.6034 |
| Wastewater Treatment in Antarctica: Challenges and Process Improvements | 2006 | ip | United States | 0.6004 |
| Technology for investigating water strata of subglacial Lake Vostok | 2011 | wp | Russian Federation | 0.5635 |
| Potential of Technical Measures to Reduce the Acoustical Effects of Airguns | 2011 | ip | Germany | 0.5632 |
| Uses of a krill diet for the treatment of atherosclerosis: six studies | 1997 | ip | Uruguay | 0.5543 |
| Technology for investigating the water layer of subglacial Lake Vostok through the ice borehole 5G at the Russian Antarctic Vostok station | 2012 | wp | Russian Federation | 0.5532 |
| Preliminary studies on Environmental Monitoring at King Sejong Station, King George Island, during the 1992/1993 season | 1995 | ip | Korea (ROK) | 0.5427 |
| The SCAR Lecture - Psychrophiles: a challenge for life | 2010 | ip | SCAR | 0.5353 |
| Reducing sewage pollution in the Antarctic marine environment using a sewage treatment plant | 2005 | ip | United Kingdom | 0.5188 |
| Potential for zoonotic transmission of SARS-CoV-2 from humans to Antarctic wildlife | 2021 | ip | Chile | 0.5078 |
| Contribution to further understanding of the terms 'minor' or 'transitory' impacts. Russian viewpoint: brief version | 1997 | ip | Russian Federation | 0.5055 |
| Expert conclusion for the Project “Justification and development of the ecologically clean technology for penetrating the subglacial Lake Vostok (Antarctica)” | 2001 | wp | Russian Federation | 0.4945 |
| Russian studies of the subglacial Lake Vostok in 1995-2002 | 2003 | ip | Russian Federation | 0.4917 |
| Greenhouse cultivation of vegetables in Antarctic mineral soil enriched by penguin guano | 2003 | ip | Poland | 0.4909 |
| Marine oil spills in the Antarctic Treaty Area – Environmental considerations regarding oil spill behaviour and potential for impacts | 2010 | ip | New Zealand | 0.4855 |
| Recent Trends in the Biological Prospecting | 2006 | ip | Belarus | 0.4800 |
| Introduction of a 20Kw wind generator at the German Antarctic Station "Georg von Neumeyer" | 1991 | ip | Germany | 0.4797 |
| Current state and long-term variability of ozone in the Antarctic atmosphere according to Russian Antarctic Research | 1994 | ip | Russian Federation | 0.4747 |
| Using treated wastewater for hydroponic cultivation of vegetables in the Antarctic | 2021 | ip | Portugal, Bulgaria | 0.4738 |
| Russian studies of subglacial Lake Vostok in the season 2014–2015 | 2015 | ip | Russian Federation | 0.4721 |
| Subglacial Antarctic Lake Environments (SALE) in the International Polar Year 2007-2008 | 2007 | ip | SCAR | 0.4689 |
| Russian studies of acoustic influence on marine biota | 2007 | wp | Russian Federation | 0.4637 |
| Energy Efficiency project in Antarctic Research Station Artigas | 2012 | bp | Uruguay | 0.4544 |
| Initial Environmental Evaluation "RMM-technology on recycling of solid food wastes at Ukrainian Antarctic Vernadsky station" | 2008 | ip | Ukraine | 0.4522 |
| Assessment of Environmental impacts arising from sewage discharge at Davis Station | 2012 | bp | Australia | 0.4474 |
| Fuel spill management in Antarctica: recent advances in first response and remediation | 2006 | ip | Australia | 0.4420 |
| Initial Approach to Biological Monitoring in the Uruguayan “Artigas” Base | 2005 | ip | Uruguay | 0.4403 |
| A New Waste Water Treatment System for New Zealand’s Scott Base - Rationale, Selection Process and Outcome | 2002 | ip | New Zealand | 0.4328 |
| The geological record of the transition from greenhouse to icehouse (Eocene to Oligocene) in Western Antarctica | 2014 | bp | Brazil | 0.4241 |
| Clean-up Techniques for Antarctica | 2012 | bp | Australia | 0.4233 |
| Update of the activities of the Argentine Antarctic Program on Bioprospection and Bioremediation in the Antarctica | 2009 | ip | Argentina | 0.4214 |
| Progress on the development of a new waste water treatment facility at Australia’s Davis station | 2014 | bp | Australia | 0.4207 |
| Results of Russian activity for penetrating subglacial Lake Vostok in the season 2011–12 | 2012 | ip | Russian Federation | 0.4195 |
| Retrospection in Antarctica. Report of the delegation of Romania | 2005 | ip | Romania | 0.4160 |
| Grants program to attend SCAR-OSC 2010 | 2010 | ip | Argentina | 0.4143 |
| Mawson Station Wind Farm – Four Years of Operational Experience | 2007 | ip | Australia | 0.4140 |
| Cumulative impacts from walking in the Dry Valleys | 2009 | ip | United States | 0.4137 |
| Use of Ecodiesel in Antarctica - Experience at “Artigas Station” | 2007 | wp | Uruguay | 0.4127 |
| Advancing technologies for exploring subglacial Antarctic aquatic ecosystems (SAEs) | 2013 | ip | SCAR | 0.4125 |
| Decision XXX (2005) - Use of Heavy Fuel Oil (HFO) in Antarctica | 2005 | wp | ATS | 0.4119 |
| Water sampling of the subglacial Lake Vostok Draft Comprehensive Environmental Evalutation (revised) | 2003 | wp | Russian Federation | 0.4092 |
| Benthic Marine Invertebrates as a Tool for the Monitoring of Fuel Transfer from Transport Ships in King George Island | 2010 | ip | Uruguay | 0.4044 |
| Ozone depletion: the threat to Antarctic ecosystems | 1992 | ip | ASOC | 0.4024 |
| Near-term Antarctic Impacts of Black Carbon and Short-lived Climate Pollutant Mitigation | 2014 | ip | ASOC | 0.4017 |
| "Minor or Transitory Impact" Criterion for EIA in Different Regions... | 1998 | ip | Russian Federation | 0.4004 |
| The Tourism and the Antarctic Environment, two Components of the modern Civilization | 2000 | ip | Romania | 0.3995 |
| Assessment of communication masking in Antarctic marine mammals by airgun sound | 2021 | ip | Germany | 0.3951 |
| Anthropogenic acoustic noises and discharges and their impact on marine mammal populations | 2003 | wp | Spain | 0.3946 |
| Subglacial Lakes of Antarctica | 2004 | ip | SCAR | 0.3898 |
| Drilling of Additional 75 m in deep Borehole 5G-1 at Vostok Station. Initial Environmental Evaluation | 2006 | ip | Russian Federation | 0.3855 |
| Comment on the Draft Comprehensive Environmental Evaluation: Water Sampling of the Subglacial Lake Vostok | 2003 | ip | SCAR | 0.3842 |
| Treading lightly: a minimal impact Antarctic station | 1994 | ip | ASOC | 0.3832 |
| Monitoring of pathogenic micro-biota in the Antarctic | 2006 | ip | Russian Federation | 0.3798 |
| Bioprospecting activities of Brazil in Antarctica: a short report | 2009 | ip | Brazil | 0.3793 |
| Results of Russian studies of the subglacial Lake Vostok during the season 2007-2008 | 2008 | ip | Russian Federation | 0.3782 |
| Effectiveness of Environmental Protection Measures | 1996 | ip | Brazil | 0.3710 |
| Russian Studies of the subglacial Lake Vostok in the season of 2005-2006 and Work Plans for the season of 2006-2007 | 2006 | ip | Russian Federation | 0.3694 |
| Marine Acoustic Technology and the Antarctic Environment | 2003 | ip | ASOC | 0.3661 |
| Water sampling of the subglacial Lake Vostok | 2002 | wp | Russian Federation | 0.3649 |
| The experience in using a remote unmanned underwater vehicle in the Belarusian Antarctic Expedition in 2016-2017 | 2017 | ip | Belarus | 0.3647 |
| Natural disasters in the Antarctic | 1997 | wp | Chile | 0.3637 |
| The use of Anti-fouling Biocide Paints by National Antarctic Program Vessels | 2006 | ip | COMNAP | 0.3637 |
| An update on biological prospecting in Antarctica, including the development of the Antarctic Biological Prospecting Database | 2008 | wp | Belgium | 0.3602 |
| Discharge of sewage and grey water from vessels in Antarctic Treaty waters | 2013 | ip | ASOC | 0.3568 |
| Blood Falls, Taylor Valley, Victoria Land: an initiative towards proposal of a new Antarctic Specially Protected Area | 2010 | ip | United States | 0.3552 |
| Installation of a new waste water treatment facility at Australia’s Davis station | 2016 | bp | Australia | 0.3546 |
| Korean activities in the Arctic in the year 2003 | 2004 | ip | Korea (ROK) | 0.3528 |
| Use of alternative energy in the Peruvian scientific station of Machu Picchu | 1998 | ip | Peru | 0.3520 |
| Ocean Acidification and the Southern Ocean | 2011 | ip | ASOC | 0.3513 |
| Microbiological monitoring of the expedition infrastructure facilities in the Antarctic | 2009 | ip | Russian Federation | 0.3509 |
| Industry involvement in Antarctic bioprospecting | 2004 | ip | UNEP | 0.3431 |
| The Antarctic biological prospecting database | 2009 | wp | Belgium, Brazil, Bulgaria, Finland, France, Germany, Netherlands, Sweden | 0.3426 |
| Microbiological monitoring of coastal Antarctic stations and bases as a factor of study of anthropogenic impact on the Antarctic environment and the human organism | 2011 | ip | Russian Federation | 0.3413 |
| A classification system of Antarctic inland aquatic ecosystems | 2022 | ip | New Zealand | 0.3410 |
| Definitive eradication of the presence of a Lepidoptera at Carlini Base | 2022 | ip | Argentina, Germany | 0.3397 |
| Fildes Bay Environmental Monitoring Coastal Environmental Observation Program (P.O.A.L.) 2017 | 2017 | ip | Chile | 0.3336 |
| Microplastics in the Antarctic marine food web: evidence from penguins | 2022 | ip | Portugal, United Kingdom | 0.3310 |
| Autonomous Antarctic Observing Stations | 1991 | ip | Germany | 0.3309 |
| Alternative Energy at Syowa Station | 1999 | ip | Japan | 0.3280 |
| SCAR report on marine acoustic technology and the Antarctic environment | 2004 | ip | SCAR | 0.3268 |
| Contribution to understanding of minor or transitory environmental impact | 1997 | ip | Brazil | 0.3255 |
| Italy and the International Scientific Collaboration in Researches on the Depletion of the Ozone Layer | 1991 | ip | Italy | 0.3221 |
| Energy Efficiency And Renewable Energy Under Extreme Conditions: Case Studies From Antarctica | 2010 | ip | ASOC | 0.3179 |
| Antarctic Bioprospecting: SCAR Survey of Member Countries | 2021 | ip | SCAR | 0.3163 |
| Antarctic State of the Environment Reporting | 2002 | ip | Australia | 0.3154 |
| Concepts, Terms and Definitions, including a Comparative Analysis (Biological Prospecting) | 2009 | ip | Sweden, Belgium, Finland, France, Netherlands, Spain | 0.3131 |
| New educational map of Antarctica using Augmented Reality | 2016 | ip | Chile | 0.3110 |
| Publication of the book “Antarctic Verses” in occasion of the 25th anniversary of “Uruguay Consultative Member of the Antarctic Treaty” | 2011 | ip | Uruguay | 0.3095 |
| Oil spill modelling in the Weddell Sea | 1996 | ip | Belgium | 0.3064 |
| Cost/energy Analysis of National Antarctic Program Transportation | 2013 | ip | COMNAP | 0.3050 |
| Deep borehole 5G1 current environmental state and perspectives (Vostok Station, East Antarctica) | 1999 | ip | Russian Federation | 0.3038 |
| Additional 50m drilling of deep borehole at Vostok Station Initial Environmental Evaluation | 2003 | ip | Russian Federation | 0.3033 |
| Environmental monitoring of the impacts of human activities near King Sejong Station preliminary data gathering and baseline survey | 1995 | ip | Korea (ROK) | 0.3028 |
| I discover that Antarctica is a continent devoted to the protection of life | 1996 | ip | Chile | 0.3026 |
| Decommissioning Vanda Station, Wright Valley, Antarctica | 1996 | ip | New Zealand | 0.3011 |
| Russian research in the Antarctic in 2008 | 2009 | ip | Russian Federation | 0.2995 |
| Information Paper on The Use of Ballast Water in Antarctica | 2005 | ip | COMNAP, IAATO | 0.2994 |
| Energetic modernisation of the German Neumayer-Station III | 2022 | ip | Germany | 0.2908 |
| First evidence of airborne microplastic pollution in Antarctic air and snow | 2022 | bp | New Zealand, Spain | 0.2901 |
| Report on the recent bioprospecting activities carried out by Argentina during the period 2010-2011 | 2011 | ip | Argentina | 0.2893 |
| Assessment of wind energy potential at the Norwegian research station Troll | 2011 | ip | Norway | 0.2863 |
| Borehole Remediation and Closure Activities at Lake Vida in the McMurdo Dry Valleys Antarctic Specially Managed Area | 2007 | ip | United States | 0.2859 |
| An update on some issues surrounding noise pollution | 2004 | ip | ASOC | 0.2853 |
| Remediation of fuel-contaminated soil using biopile technology at Casey Station | 2015 | bp | Australia | 0.2837 |
| Oil Spill Response | 2010 | ip | New Zealand | 0.2834 |
| Measures for ensuring safety of life activity at the inland Antarctic Stations. Experience of airdropping of cargo to the Russian Vostok Station | 2006 | ip | Russian Federation | 0.2831 |
| National Institute for Science and Technology – Antarctic Environmental Research (INCT-APA): Five-Year Highlights | 2014 | bp | Brazil | 0.2816 |
| Numerical evaluation of mobile sources impact at environmental impact assessment in the Antarctic | 2019 | ip | Belarus | 0.2812 |
| Proposal to submit a proposal to IMO to ban the presence of Heavy Fuel Oil (HFO) on board ships south of 60o South | 2005 | wp | Norway | 0.2766 |
| Results of studies of subglacial lake Vostok and drilling operations in deep ice borehole of Vostok station in the season 2012-2013 | 2013 | ip | Russian Federation | 0.2741 |
| Russian studies of the subglacial Lake Vostok | 1998 | ip | Russian Federation | 0.2741 |
| An Assessment of Environmental Emergencies Arising from Activities in Antarctica | 1999 | wp | COMNAP | 0.2736 |
| Dreep Drilling at Vostok Station - Environmental Impact | 1998 | ip | Russian Federation | 0.2733 |
| Renewable Energy and Energy Efficiency Initiatives at Australia’s Antarctic Stations | 2011 | ip | Australia | 0.2714 |
| Developing a plan for Special protection at Taylor Glacier and Blood Falls, Taylor Valley, McMurdo Dry Valleys Victoria Land | 2011 | wp | United States | 0.2702 |
| Antarctic stories: a seed of identity | 2016 | ip | Chile | 0.2676 |
| Diversity, resilience and applicative potential of microcosm from Antarctic icy habitats | 2018 | ip | Romania | 0.2663 |
| Study of the environmental impact of the construction and operation of a scientific base at Dome C | 1992 | ip | France | 0.2646 |
| Report of the ATCM Intersessional Contact Group to Examine the Issue of Biological Prospecting in the Antarctic Treaty Area | 2010 | wp | Netherlands | 0.2642 |
| Mitigating microplastic pollution in Antarctica | 2019 | ip | ASOC | 0.2611 |
| Renewable power generation for the Swedish Antarctic station, Wasa | 2004 | ip | Sweden | 0.2597 |
| Implications of the draft liability annex to scientific research activities in Antarctica | 1997 | ip | Russian Federation | 0.2587 |
| Russian research in the Antarctic in 2009 | 2010 | ip | Russian Federation | 0.2566 |
| Antarctic non-native species ; what can we learn from the global situation? | 2006 | ip | IUCN | 0.2566 |
| Romanian scientific Antarctic activities in cooperation with China 2002-2003 | 2003 | ip | Romania | 0.2565 |
| Current status of the Russian drilling project at Vostok station | 2011 | ip | Russian Federation | 0.2563 |
| SCAR Lecture - Space Weather and its Effects. | 2008 | ip | SCAR | 0.2544 |
| New approach to study of climate change based on global albedo monitoring | 2011 | ip | Russian Federation | 0.2537 |
| Development of environmental quality standards for the management of contaminated sites in Antarctica | 2012 | bp | Australia | 0.2523 |
| Biological prospecting and the Antarctic environment | 2013 | ip | ASOC | 0.2522 |
| A report on the environment of Great Wall Station in recent two years | 2004 | ip | China | 0.2509 |
| Results of Russian activities in the deep ice borehole at Vostok station in implementing the project of penetration to the water layer of the subglacial lake in the season of 2008/2009 | 2009 | ip | Russian Federation | 0.2500 |
| Initial Environmental Evaluation (IEE) : Construction and operation of Enigma Runway for light aircrafts at the Mario Zucchelli Station ( Terra Nova Bay, Ross Sea, Antarctica) | 2006 | ip | Italy | 0.2486 |
| Report on the accident occurred to an excavator vehicle at Mario Zucchelli Station, Ross Sea, Antarctica | 2013 | ip | Italy | 0.2480 |
| The International Oil Pollution Compensation Funds | 2019 | ip | IOPC Funds | 0.2478 |
| The excitement "Antarctica" distance in itself invisible | 2011 | ip | Bulgaria | 0.2460 |
| Conservation of seabirds: improvements and new steps forward | 2004 | ip | Spain | 0.2452 |
| Background to the pollution incident caused by the sinking of the MS Explorer | 2008 | ip | Chile | 0.2438 |
| BAT's: Best Available Technologies/Techniques | 1996 | wp | COMNAP | 0.2432 |
| Czech scientific station in Antarctica | 2001 | ip | Czechia | 0.2419 |
| Recovery Status of Moss Communities Near the Trails of Barrientos Island (Aitcho Islands) | 2018 | ip | Ecuador, Spain | 0.2416 |
| Factors Influencing Risk Analysis In Relation To Human Activities In Antarctica Based On German Experience With Logistics During German Antarctic Research | 1999 | ip | Germany | 0.2410 |
| Romanian scientific Antarctic activities 2005-2006. Scientific program summary in cooperation with Australia | 2005 | ip | Romania | 0.2404 |
| Italy answer to the US / Russian Inspection at Mario Zucchelli Station in 2012 | 2013 | ip | Italy | 0.2404 |
| DRAFT Comprehensive Environmental Evaluation (CEE) for the concept of upgrading the Norwegian summer station Troll in Dronning Maud Land, Antarctica, to permanent station. | 2004 | wp | Norway | 0.2402 |
| Waste water treatment in Antarctica: A feasibility study for grey water treatment at Wasa station | 2005 | ip | Sweden | 0.2402 |
| Results of Russian studies of subglacial lake Vostok in the season 2009/2010 | 2010 | ip | Russian Federation | 0.2395 |
| Australian Research on the Assessment and Remediation of Contaminated Sites in Antarctica | 2007 | ip | Australia | 0.2388 |
| The project of the subglacial Lake Vostok | 1996 | ip | Russian Federation | 0.2381 |