

Artash E Aloyan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1973777/publications.pdf>

Version: 2024-02-01

36
papers

169
citations

1307594

7
h-index

1281871

11
g-index

37
all docs

37
docs citations

37
times ranked

92
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of coagulating aerosol in the atmosphere. <i>Journal of Aerosol Science</i> , 1997, 28, 67-85.	3.8	33
2	Numerical modeling of minor gas constituents and aerosols in the atmosphere. <i>Ecological Modelling</i> , 2004, 179, 163-175.	2.5	11
3	Acidity and mineral composition of precipitation in Moscow: Influence of deicing salts. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2015, 51, 624-632.	0.9	11
4	On the influence of atmospheric chemical reactions on the ion composition of aerosol particles in the Baikal region. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2007, 43, 208-218.	0.9	9
5	Modeling the Regional Dynamics of Gaseous Admixtures and Aerosols in the Areas of Lake Baikal (Russia) and Antwerp (Belgium). <i>Aerosol and Air Quality Research</i> , 2012, 12, 707-721.	2.1	9
6	Mathematical modelling of the interaction of gas species and aerosols in atmospheric dispersive systems. <i>Russian Journal of Numerical Analysis and Mathematical Modelling</i> , 2000, 15, .	0.6	8
7	Air-quality modelling in the Lake Baikal region. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 665-674.	2.7	8
8	Dynamics of trace gases and aerosols in the atmosphere with consideration for heterogeneous processes. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2010, 46, 608-622.	0.9	8
9	Dynamics of mesoscale boundary atmospheric layer and impurity spreading with the photochemical transformation allowed for. <i>Russian Journal of Numerical Analysis and Mathematical Modelling</i> , 1995, 10, .	0.6	7
10	Modeling aerosol dynamics during forest fires. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2009, 45, 55-68.	0.9	6
11	Hydrocarbonates in atmospheric precipitation of Moscow: Monitoring data and analysis. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2017, 53, 334-342.	0.9	6
12	Modeling the Influence of Ions on the Dynamics of Formation of Atmospheric Aerosol. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2021, 57, 104-109.	0.9	6
13	Modeling the convective cloudiness and its impact on the atmospheric gaseous composition. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2010, 46, 713-726.	0.9	5
14	Evaluation of source-receptor relationship for atmospheric pollutants using approaches of trajectory modelling, cluster, probability fields analyses and adjoint equations. <i>Atmospheric Pollution Research</i> , 2011, 2, 400-408.	3.8	5
15	Modeling the formation of polar stratospheric clouds with allowance for kinetic and heterogeneous processes. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2015, 51, 241-250.	0.9	5
16	The role of sulfate aerosol in the formation of cloudiness over the sea. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2016, 52, 353-364.	0.9	5
17	Chlorine activation of the lower stratosphere at mid-latitudes: Impact on the ozone layer. <i>Russian Journal of Physical Chemistry B</i> , 2016, 10, 860-864.	1.3	4
18	Ice Particle Formation in the Lower Stratosphere. <i>Russian Journal of Physical Chemistry B</i> , 2019, 13, 214-218.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Influence of Particles of the Junge Layer on the Rate of Ozone Destruction in the Lower Stratosphere. Russian Journal of Physical Chemistry B, 2021, 15, 577-581.	1.3	3
20	Air quality modeling for Houstonâ€“Galvestonâ€“Brazoria area. Environment International, 2003, 29, 377-383.	10.0	2
21	Dynamics of gas admixtures and aerosols in forest and peat fires. Russian Journal of Numerical Analysis and Mathematical Modelling, 2014, 29, .	0.6	2
22	On the Nature of Aerosol Particles in the Atmosphere of Irkutsk. Izvestiya - Atmospheric and Oceanic Physics, 2018, 54, 162-172.	0.9	2
23	Seasonal Variability of the Ion Composition, Phase State, and Mass Concentration of Aerosol in the Rural and Urban Atmosphere over Belgium (2001â€“2003). Russian Meteorology and Hydrology, 2020, 45, 185-192.	1.3	2
24	Influence of Sulfate Aerosol in the Lower Stratosphere on the Lifetime of Odd Oxygen. Russian Journal of Physical Chemistry B, 2021, 15, 357-361.	1.3	2
25	Mesoscale modelling of wet convection and gas-aerosol interaction. Russian Journal of Numerical Analysis and Mathematical Modelling, 1998, 13, .	0.6	1
26	Mathematical modelling of convective clouds taking into account phase transitions. Russian Journal of Numerical Analysis and Mathematical Modelling, 2010, 25, .	0.6	1
27	Mechanism and Kinetics of the Formation and Transport of Aerosol Particles in the Lower Stratosphere. Russian Journal of Physical Chemistry A, 2018, 92, 597-602.	0.6	1
28	Sulfate Sources in Carbonaceous Aerosol Particles in the Urban Atmosphere: The Case of Irkutsk. Izvestiya - Atmospheric and Oceanic Physics, 2019, 55, 271-280.	0.9	1
29	Modeling the Junge Layer Formation in Northern Latitudes: Spatiotemporal Structure and Particle Composition. Russian Meteorology and Hydrology, 2019, 44, 311-316.	1.3	1
30	Modeling the Composition of Organic Aerosol in the Atmosphere. Izvestiya - Atmospheric and Oceanic Physics, 2021, 57, 390-396.	0.9	1
31	Mathematical Modeling of the Regional-Scale Variability of Gaseous Species and Aerosols in the Atmosphere. , 2005, , 1-10.		1
32	Mathematical modelling of moist convection and transport of gaseous pollutants and aerosols in clouds. Russian Journal of Numerical Analysis and Mathematical Modelling, 2015, 30, .	0.6	0
33	Mutual Impact of Mineral and Organic Components in Atmospheric Aerosol. Izvestiya - Atmospheric and Oceanic Physics, 2020, 56, 72-78.	0.9	0
34	The Role of Binary and Ion Nucleation of Sulfuric Acid and Water Vapor in the Dynamics of Sulfate Aerosol Formation in the Atmosphere. Russian Meteorology and Hydrology, 2021, 46, 37-42.	1.3	0
35	Numerical modelling of minor gas constituents and aerosols in the atmosphere. , 1996, , 455-457.		0
36	CONTROL THEORY AND MODELS (WORKING GROUP 1). , 2007, , 337-342.		0