Artash E Aloyan

List of Publications by Year
in descending order

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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	Modeling the Influence of Ions on the Dynamics of Formation of Atmospheric Aerosol. Izvestiya - Atmospheric and Oceanic Physics, 2021, 57, 104-109.	0.9	6
2	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
3	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
4	Modeling the Composition of Organic Aerosol in the Atmosphere. Izvestiya - Atmospheric and Oceanic Physics, 2021, 57, 390-396.	0.9	1
5	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
6	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
7	Mutual Impact of Mineral and Organic Components in Atmospheric Aerosol. Izvestiya - Atmospheric and Oceanic Physics, 2020, 56, 72-78.	0.9	0
8	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
9	Ice Particle Formation in the Lower Stratosphere. Russian Journal of Physical Chemistry B, 2019, 13, 214-218.	1.3	3
10	Modeling the Junge Layer Formation in Northern Latitudes: Spatiotemporal Structure and Particle Composition. Russian Meteorology and Hydrology, 2019, 44, 311-316.	1.3	1
11	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
12	On the Nature of Aerosol Particles in the Atmosphere of Irkutsk. Izvestiya - Atmospheric and Oceanic Physics, 2018, 54, 162-172.	0.9	2
13	Hydrocarbonates in atmospheric precipitation of Moscow: Monitoring data and analysis. Izvestiya - Atmospheric and Oceanic Physics, 2017, 53, 334-342.	0.9	6
14	Chlorine activation of the lower stratosphere at mid-latitudes: Impact on the ozone layer. Russian Journal of Physical Chemistry B, 2016, 10, 860-864.	1.3	4
15	The role of sulfate aerosol in the formation of cloudiness over the sea. Izvestiya - Atmospheric and Oceanic Physics, 2016, 52, 353-364.	0.9	5
16	Acidity and mineral composition of precipitation in Moscow: Influence of deicing salts. Izvestiya - Atmospheric and Oceanic Physics, 2015, 51, 624-632.	0.9	11
17	Modeling the formation of polar stratospheric clouds with allowance for kinetic and heterogeneous processes. Izvestiya - Atmospheric and Oceanic Physics, 2015, 51, 241-250.	0.9	5
18	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

#	Article	IF	Citations
19	Dynamics of gas admixtures and aerosols in forest and peat fires. Russian Journal of Numerical Analysis and Mathematical Modelling, 2014, 29, .	0.6	2
20	Modeling the Regional Dynamics of Gaseous Admixtures and Aerosols in the Areas of Lake Baikal (Russia) and Antwerp (Belgium). Aerosol and Air Quality Research, 2012, 12, 707-721.	2.1	9
21	Evaluation of sourceâ€“receptor relationship for atmospheric pollutants using approaches of trajectory modelling, cluster, probability fields analyses and adjoint equations. Atmospheric Pollution Research, 2011, 2, 400-408.	3.8	5
22	Air-quality modelling in the Lake Baikal region. Environmental Monitoring and Assessment, 2010, 165, 665-674.	2.7	8
23	Dynamics of trace gases and aerosols in the atmosphere with consideration for heterogeneous processes. Izvestiya - Atmospheric and Oceanic Physics, 2010, 46, 608-622.	0.9	8
24	Modeling the convective cloudiness and its impact on the atmospheric gaseous composition. Izvestiya - Atmospheric and Oceanic Physics, 2010, 46, 713-726.	0.9	5
25	Mathematical modelling of convective clouds taking into account phase transitions. Russian Journal of Numerical Analysis and Mathematical Modelling, 2010, 25, .	0.6	1
26	Modeling aerosol dynamics during forest fires. Izvestiya - Atmospheric and Oceanic Physics, 2009, 45, 55-68.	0.9	6
27	On the influence of atmospheric chemical reactions on the ion composition of aerosol particles in the Baikal region. Izvestiya - Atmospheric and Oceanic Physics, 2007, 43, 208-218.	0.9	9
28	CONTROL THEORY AND MODELS (WORKING GROUP 1). , 2007, , 337-342.		0
29	Mathematical Modeling of the Regional-Scale Variability of Gaseous Species and Aerosols in the Atmosphere. , 2005, , 1-10.		1
30	Numerical modeling of minor gas constituents and aerosols in the atmosphere. Ecological Modelling, 2004, 179, 163-175.	2.5	11
31	Air quality modeling for Houstonâ€“Galvestonâ€“Brazoria area. Environment International, 2003, 29, 377-383.	10.0	2
32	Mathematical modelling of the interaction of gas species and aerosols in atmospheric dispersive systems. Russian Journal of Numerical Analysis and Mathematical Modelling, 2000, 15, .	0.6	8
33	Mesoscale modelling of wet convection and gas-aerosol interaction. Russian Journal of Numerical Analysis and Mathematical Modelling, 1998, 13, .	0.6	1
34	Transport of coagulating aerosol in the atmosphere. Journal of Aerosol Science, 1997, 28, 67-85.	3.8	33
35	Numerical modelling of minor gas constituents and aerosols in the atmosphere. , 1996, , 455-457.		0
36	Dynamics of mesoscale boundary atmospheric layer and impurity spreading with the photochemical transformation allowed for. Russian Journal of Numerical Analysis and Mathematical Modelling, 1995, 10, .	0.6	7