

# Fișă de îndeplinire a standardelor minimale

Bogdan Antonescu

*Funcția:* Cercetător științific I

*Domeniul de abilitare:* Fizică

Conform Anexei nr. 3 Comisia de Fizică (ordin 6.129/2016) privind standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice învățământul superior și a gradelor profesionale de cercetare-dezvoltare, standardele minimale pentru abilitare sunt:

1. Activitatea didactică și profesională (A):  $A \geq 2$
2. Activitatea de cercetare
  - Articole științifice originale în extenso ca autor:  $I \geq 4$
  - Articole științifice originale în extenso ca prim autor:  $P \geq 4$
3. Recunoașterea impactului activității
  - Citări în reviste cu factor de impact:  $C \geq 40$
  - Indicele Hirsch:  $h \geq 10$
4. Punctaj total:  $T = A + I/2 + P/2 + C/20 + h/5 \geq 12$

Standardele minimale au fost îndeplinite după cum urmează:

Indicator	A	I	P	C	h	T
valoare	<b>A = 2.876</b>	<b>I = 5.226</b>	<b>P = 21.230</b>	<b>C = 92.318</b>	<b>h = 11</b>	<b>T = 22.920</b>
standard minimal	2	4	4	40	10	12

## Justificare îndeplinirii standardelor minimale

### 1. Activitatea didactică și profesională: $A = 2.876$

*A1 Cărți în edituri internaționale recunoscute Web of Science în calitate de autor*  
( $A1 = \sum_i 4/n_i^{ef}$ )

*A2 Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI* ( $A2 = \sum_i 1/n_i^{ef}$ )

- (Review) **Antonescu, B.**, D. M. Schultz, F. Lomas and T. Kühne, 2016: Tornadoes in Europe: Synthesis of the observational datasets. *Mon. Wea. Rev.*, **144**, 2445–2480.  
( $A2 = 1/4 = 0.25$ )

*A3 Cărți în edituri internaționale recunoscute Web of Science în calitate de editor*  
( $A3 = \sum_i 0.5/n_i^{ef}$ )

*A4 Cărți, manuale, îndrumare de laborator în edituri naționale sau în alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizei datelor în cadrul colaborărilor mari* ( $A4 = \sum_i 0.5/n_i^{ef}$ )

- **Antonescu, B.**, 2017: Tornadoes and Waterspouts in Europe: Depictions from 1555 to 1910. Blurb, 100 p.  
(<https://www.blurb.com/b/8219968-tornadoes-and-waterspouts>)  
( $A4 = 0.5/1 = 0.5$ )

*A5 Capitole în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI* ( $A5 = \sum_i 0.2/n_i^{ef}$ )

- Brooks, H.E., C.A. Doswell III, X. Zhang, A.M. Chernokulsky, E. Tochimoto, B. Hanstrum, E. de Lima Nascimento, D.M. Sills, **B. Antonescu**, and B. Barrett, 2018: A Century of Progress in Severe Convective Storm Research and Forecasting. *Meteorological Monographs*, **59**, 18.1–18.41.  
( $A4 = 0.2/7.5 = 0.266$ )

*A6 Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI*  
( $A6 = \sum_i 0.2/n_i^{ef}$ )

*A7 Brevete de invenție acordate internațional* ( $A7 = \sum_i 3/n_i^{ef}$ )

*A8 Brevete de invenție acordate național* ( $A8 = \sum_i 0.5/n_i^{ef}$ )

*A9 Director/responsabil/coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)* ( $A9 = \sum_i 0.2/n_i^{ef}$ )

*A10 Director/responsabil pentru proiecte de cercetare în valoare de  $V_i$  euro castigate prin competiție națională sau internațională (proiectele de punctul 9 se exclud). Suma în lei sau în alte valute se converteste în euro la cursul mediu din anul respectiv [www.bnr.ro](http://www.bnr.ro) pentru perioada de după 1999 și la cursul din 1999 pentru perioada anterioară. Responsabili de proiect sunt cei care conduc echipa de cercetare, fiind menționați ca atare în proiectul depus; în cazul lor se considera doar suma aferentă echipei conduse.* ( $A10 = \sum_i 0.2/n_i^{ef}$ )

- Proiect de cercetare finanțat prin competiție internațională de către AXA Research Fund. Proiectul a fost desfășurat la Universitatea din Manchester, Marea Britanie (Ian 2014– Dec 2015) Bugetul proiectului **120,000 euro** (<https://www.axa-research.org/en/project/bogdan-antonescu>)
- Proiect Tinere Echipe (90.000 euro)  
(**A10 = 210,000/100,000 = 2.1**)

## 2. Activitatea de cercetare

### (i) Articole științifice originale în extenso ca autor **I = 5.226**

Nr.	Articol	Indicator
1.	Schultz, D. M., H. Volkert, <b>B. Antonescu</b> , and H. C. Davies, 2020: Defender and Expositor of the Bergen Methods of Synoptic Analysis: Significance, History, and Translation of Bergeron’s (1928) “Three-Dimensionally Combining Synoptic Analysis”, <i>Bull. Amer. Meteor. Soc.</i> , <b>101</b> , E2078–E2094.	<b>4.049/4=1.012</b>
2.	Ștefan, S., <b>B. Antonescu</b> , A.D. Urlea, L. Buzdugan, M.D. Andrei, C. Necula, and S. Voinea, 2020: Study of Clear Air Turbulence Related to Tropopause Folding over the Romanian Airspace. <i>Atmosphere</i> , <b>11</b> , 1099.	<b>0.626/6=0.104</b>
3.	Andrei, S., M. D. Andrei, M. Huștiu, S. Cheval, and <b>B. Antonescu</b> , 2020: Tornadoes in Romania – From forecasting and warning to understanding public’s response and expectations. <i>Atmosphere</i> , <b>11</b> , 966.	<b>0.626/5=0.125</b>
4.	Cheval, S., A. Haliuc, <b>B. Antonescu</b> , A. Țișcovschi, M. Dobre, F. Tătui, A. Dumitrescu, A. Manea, G. Tudorache, A. Irimescu, M.-V. Bîrsan, and C. Mock, 2020: Enriching the historical meteorological information using Romanian language newspaper reports: A database from 1880 to 1900. <i>Int J Climatol.</i> , <b>41</b> (Suppl. 1), E548–E562.	<b>1.271/8.5=0.150</b>
5.	Chernokulsky, A, M.V. Kurgansky, I. Mokhov, A. Shikhov, I. Azhigov, E. Selezneva, D. Zakharchenko, <b>B. Antonescu</b> , and T. Kühne, 2020: Tornadoes in Northern Eurasia: from the Middle Age to the Information Era. <i>Mon. Wea. Rev.</i> , <b>148</b> , 3081–3110.	<b>1.476/7=0.211</b>
6.	Mărmureanu, L., J. Vasilescu, J. Slowik, A.S.H. Prévôt, C.A. Marin, <b>B. Antonescu</b> , A. Vlachou, A. Nemuc, A. Dandocsi, and S. Szidat, 2020: Online Chemical Characterization and Source Identification of Summer and Winter Aerosols in Măgurele, Romania. <i>Atmosphere</i> , <b>11</b> , 385.	<b>0.626/7.5=0.083</b>

Nr.	Articol	Indicator
7.	Cheval, S., D. Micu, A. Dumitrescu, A. Irimescu, M. Frighenciu, C. Iojă, N.C. Tudose, Ș. Davidescu, <b>B. Antonescu</b> , 2020: Meteorological and Ancillary Data Resources for Climate Research in Urban Areas. <i>Climate</i> , <b>8</b> , 37.	<b>0.0</b>
8.	Mărmureanu, L., C.A. Marin, S. Andrei, <b>B. Antonescu</b> , D. Ene, M. Boldeanu, J. Vasilescu, C. Vițelaru, O. Cadar, and E. Levei, 2019: Orange snow - A Saharan Dust Intrusion over Romania During Winter Conditions. <i>Remote Sens.</i> , <b>11</b> , 2466.	<b>0.929/7.5=0.124</b>
9.	Andrei, S., <b>B. Antonescu</b> , M. Boldeanu, L. Mărmureanu, C.A. Marin, J. Vasilescu, D. Ene, 2019: An Exceptional Case of Freezing Rain in Bucharest (Romania). <i>Atmosphere</i> , <b>10</b> , 673.	<b>0.549/6=0.092</b>
10.	Púčik, T., C. Castellano, P. Groenemeijer, T. Kühne, A. Rädler, <b>B. Antonescu</b> , and E. Faust, 2019: Large hail incidence and its economical and societal impacts across Europe. <i>Mon. Wea. Rev.</i> , <b>147</b> , 3901–3916.	<b>1.466/6=0.244</b>
11.	Brâncuș, M., D.M. Schultz, <b>B. Antonescu</b> , C. Dearden, and S. Ștefan, 2019: Origin of strong winds in an explosive Mediterranean extratropical cyclone. <i>Mon. Wea. Rev.</i> , <b>147</b> , 3649–3671.	<b>1.466/5=0.293</b>
12.	Nicolae, V., C. Talianu, S. Andrei, <b>B. Antonescu</b> , D. Ene, D. Nicolae, A. Dandocsi, V.-E. Toader, S. Ștefan, T. Savu, J. Vasilescu, 2019: Multiyear typology of long-range transported aerosols over Europe. <i>Atmosphere</i> , <b>10</b> , 482.	<b>0.549/8=0.069</b>
13.	Marin, C.A., L. Mărmureanu, C. Radu, A. Dandocsi, C. Stan, F. Țoancă, L. Preda, and <b>B. Antonescu</b> : Wintertime variations of gaseous atmospheric constituents in Bucharest peri-urban area. <i>Atmosphere</i> , <b>10</b> , 478.	<b>0.549/6.5=0.084</b>
14.	Cârstea, E., K. Fragkos, N. Siomos, <b>B. Antonescu</b> , and L. Belegante, 2019: Columnar aerosol measurements in a continental southeastern Europe site: Climatology and trends. <i>Theor. Appl. Climatol.</i> , <b>137</b> , 3149–3159.	<b>0.719/5=0.144</b>
15.	Fragkos, K., <b>B. Antonescu</b> , D.M. Giles, E. Ene, M. Boldeanu, G.A. Efsthathiou, L. Belegante, and D. Nicolae, 2019: Assessment of the total precipitable water from a sunphotometer, microwave radiometer, and radiosondes at a continental site in southeastern Europe. <i>Atmos. Meas. Tech.</i> , <b>12</b> , 1979–1997.	<b>0.988/6.5=0.152</b>
16.	Nicolae, D., J. Vasilescu, C. Talianu, I. Binietoglou, V. Nicolae, S. Andrei, and <b>B. Antonescu</b> , 2018: A neural network aerosol-typing algorithm based on lidar data. <i>Atmos. Chem. Phys.</i> , <b>18</b> , 14511–14537.	<b>1.596/6=0.266</b>

Nr.	Articol	Indicator
17.	Groenemeijer, P., T. Púčík, A. M. Holzer, <b>B. Antonescu</b> , K. Riemann-Campe, D. M. Schultz, T. Kühne, B. Feuerstein, H. E. Brooks, C. A. Doswell III. H.-J. Koppert, and R. Sausen, 2017: Severe convective storms in Europe: Ten years of research at the European Severe Storms Laboratory. <i>Bull. Amer. Meteor. Soc.</i> , <b>98</b> , 2641–2651.	4.933/8.5=0.580
18.	Vaughan, G., <b>B. Antonescu</b> , D. M. Schultz, and C. Dearden, 2017: Invigoration and capping of a convective rainband ahead of a potential vorticity anomaly. <i>Mon. Wea. Rev.</i> , <b>145</b> , 2093–2117.	1.544/4=0.386
19.	Vaughan, G., J. Methven, D. Anderson, <b>B. Antonescu</b> , L. Baker, T. P. Baker, S. P. Ballard, K. N. Bower, P. R. A. Brown, J. Chagnon, T. W. Choullarton, J. Chylik, P. J. Connolly, P. A. Cook, R. J. Cotton, J. Crosier, C. Dearden, J. R. Dorsey, T. H. A. Frame, M. W. Gallagher, M. Goodliff, S. L. Gray, B. J. Harvey, P. Knippertz, H. W. Lean, D. Li, G. Lloyd, O. Martínez-Alvarado, J. Nicol, J. Norris, E. Öström, J. Owen, D. J. Parker, R. S. Plant, I. A. Renfrew, N. M. Roberts, P. Rosenberg, A. C. Rudd, D. M. Schultz, J. P. Taylor, T. Trzeciak, R. Tubbs, A. K. Vance, P. J. van Leeuwen, A. Wellpott, and A. Woolley, 2014: Cloud banding and winds in intense European cyclones: Results from the DIAMET Project. <i>Bull. Amer. Meteor. Soc.</i> , <b>96</b> , 249–265.	5.609/20.333=0.276
20.	Schultz, D. M., <b>B. Antonescu</b> , and A. Chiariello, 2014: Searching for the elusive cold-type occluded front. <i>Mon. Wea. Rev.</i> , <b>142</b> , 2565–2570.	1.825/3=0.608
21.	Burcea, S., S. Cheval, A. Dumitrescu, <b>B. Antonescu</b> , A. Bell, and T. Breza, 2012: Comparison between radar estimated rain gauge measured precipitation in the Moldavian Plateau. <i>Environ. Eng. Manag. J.</i> , <b>4</b> , 723–731.	0.085/5.5=0.015
22.	Zocatelli, D., M. Borga, F. Zanon, <b>B. Antonescu</b> , and G. Stancalie, 2010: Which rainfall spatial information for flash flood response modelling? A numerical investigation based on data from the Carpathian range, Romania. <i>J. Hydrol.</i> , <b>394</b> , 148–161.	1.037/5=0.207

(ii) Articole științifice originale în extenso ca prim autor sau autor corespondent, conform mențiunilor de pe articol **P = 21.230**

Nr.	Articol	Indicator
1.	<b>Antonescu, B.</b> , L. Mărmureanu, J. Vasilescu, C.A. Marin, S. Andrei, M. Boldeanu, D. Ene, and A. Țilea, 2021: A 41-years bioclimatology of thermal stress in Europe. <i>Int. J. Climatol.</i> , <b>41</b> , 3934–3952.	1.271

Nr.	Articol	Indicator
2.	<b>Antonescu, B.</b> , T. Púčík, and D.M. Schultz, 2020: Hindcasting the First Tornado Forecast in Europe: 25 June 1967. <i>Wea. Forecasting</i> , <b>35</b> , 417–436.	<b>1.204</b>
3.	<b>Antonescu, B.</b> , D.M. Schultz, H.M.A.M Ricketts, and D. Ene, 2019: Theories on tornado and waterspout formation in ancient Greece and Rome. <i>Weather Clim. Soc.</i> , <b>11</b> , 889–900.	<b>0.973</b>
4.	<b>Antonescu, B.</b> , H.M.A.M. Ricketts and D. M. Schultz, 2019: 100 Years Later: Reflecting on Alfred Wegener’s Contributions to Tornado Research in Europe. <i>Bull. Amer. Meteor. Soc.</i> , <b>100</b> , 567–578.	<b>3.752</b>
5.	<b>Antonescu, B.</b> , J. G. Fairman Jr., and D. M. Schultz, 2018: What’s the worst that could happen? Re-examining the 24–25 June 1967 tornado outbreak over Western Europe. <i>Weather Clim. Soc.</i> , <b>10</b> , 323–340.	<b>0.736</b>
6.	<b>Antonescu, B.</b> , and F. Cărbunaru, 2017: Cloud-to-ground lightning fatalities in Romania. <i>Weather Clim. Soc.</i> , <b>10</b> , 241–252.	<b>0.736</b>
7.	<b>Antonescu, B.</b> , D. M. Schultz, A. Holzer, and P. Groenemeijer, 2017: Tornadoes in Europe: An Underestimated Threat. <i>Bull. Amer. Meteor. Soc.</i> , <b>98</b> , 713–728.	<b>4.933</b>
8.	<b>Antonescu, B.</b> , D. M. Schultz, F. Lomas and T. Kühne, 2016: Tornadoes in Europe: Synthesis of the observational datasets. <i>Mon. Wea. Rev.</i> , <b>144</b> , 2445–2480.	<b>1.513</b>
9.	<b>Antonescu, B.</b> and A. Bell, 2015: Tornadoes in Romania. <i>Mon. Wea. Rev.</i> , <b>143</b> , 689–701.	<b>1.599</b>
10.	<b>Antonescu, B.</b> , S. Burcea, and A. Tanase, 2013: Forecasting the onset of cloud-to-ground lightning using radar and upper-air data in Romania. <i>Int. J. Climatol.</i> , <b>33</b> , 1579–1584.	<b>1.425</b>
11.	<b>Antonescu, B.</b> , G. Vaughan, and D. M. Schultz, 2013: A five-year radar-based climatology of tropopause folds and deep convection over Wales, United Kingdom. <i>Mon. Wea. Rev.</i> , <b>141</b> , 1693–1707.	<b>1.825</b>
12.	<b>Antonescu, B.</b> , and S. Stefan, 2011: The urban effect on the cloud-to-ground lightning activity in the Bucharest area. <i>Romanian Reports in Physics</i> , <b>63</b> , 535–542.	–
13.	<b>Antonescu, B.</b> , and S. Burcea, 2010: A cloud-to-ground lightning climatology for Romania. <i>Mon. Wea. Rev.</i> , <b>138</b> , 579–591.	<b>1.263</b>

### 3. Recunoașterea impactului activității

Citări în reviste cu factor de impact  $C = 92.318$

---

Nr.	Articol	Citări
1.	Zocatelli, D., M. Borga, F. Zanon, <b>B. Antonescu</b> , and G. Stancalie, 2010: Which rainfall spatial information for flash flood response modelling? A numerical investigation based on data from the Carpathian range, Romania. <b>J. Hydrol.</b> , <b>394</b> , 148–161.	61/5=12.2
	1. Saharia, M. et al., WATER RESOURCES RESEARCH, 2021, 10.1029/2020WR029124	
	2. Wang, S.S. et al., SCIENTIFIC REPORTS, 2021, 0.1038/s41598-021-95111-6	
	3. Lu, L. et al., STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, 2021, 10.1007/s00477-021-02059-0	
	4. Ferguson, C. and R. Fenner, PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-WATER MANAGEMENT, 2021, 10.1680/jwama.19.00057	
	5. Zhuang, Q., et al. WATER, 2020, 10.3390/w12123364	
	6. Bucala-Hrabia, A. et al., JOURNAL OF HYDROLOGY-REGIONAL STUDIES, 2020, 10.1016/j.ejrh.2020.100731	
	7. Alipour, A. et al., JOURNAL OF FLOOD RISK MANAGEMENT, 2020, 10.1111/jfr3.12605	
	8. Gyasi-Agyei, Y., HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, 2019, 10.1080/02626667.2019.1593989	
	9. Mrowiec, M. et al., NEW TRENDS IN URBAN DRAINAGE MODELLING, UDM 2018, 2019, 10.1007/978-3-319-99867-171	
	10. Goni, M., CATENA, 2019, 10.1016/j.catena.2018.08.010	
	11. Zhu, Z. et al., WATER RESOURCES RESEARCH, 2018, 10.1029/2018WR023550	
	12. Douinot, A. et al. HYDROLOGY AND EARTH SYSTEM SCIENCES, 2018, 10.5194/hess-22-5317-2018	
	13. Amponsah, W. et al. EARTH SYSTEM SCIENCE DATA, 2018, 10.5194/essd-10-1783-2018	
	14. Anagnostou, M. et al. REMOTE SENSING, 2018, 10.3390/rs10081258	
	15. Yang, L.E. et al. ENVIRONMENTAL MODELING & ASSESSMENT, 2018, 10.1007/s10666-018-9597-3	
	16. Benoit, L. et al. WATER RESOURCES RESEARCH, 2018, 10.1029/2018WR022817	
	17. Anggraheni, E. et al., INTERNATIONAL JOURNAL OF TECHNOLOGY, 2018, 10.14716/ijtech.v9i3.498	

---

Nr.	Articol	Citări
18.	Marra, F. and E. Morin, ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2017.09.020	
19.	Emmanuel, I. et al., JOURNAL OF HYDROLOGY, 2017, 10.1016/j.jhydrol.2017.10.011	
20.	Mei, Y. et al., ADVANCES IN WATER RESOURCES, 2017, 10.1016/j.advwatres.2017.09.012	
21.	Belachsen, I. et al. HYDROLOGY AND EARTH SYSTEM SCIENCES, 2017, 10.5194/hess-21-5165-2017	
22.	Bryndal, T. et al. NATURAL HAZARDS, 2017, 10.1007/s11069-017-2858-7	
23.	Mei, Y. et al. HYDROLOGY AND EARTH SYSTEM SCIENCES, 2017, 10.5194/hess-21-2277-2017	
24.	Benoit, L. and G. Mariethoz, WILEY INTERDISCIPLINARY REVIEWS-WATER, 2017, 10.1002/wat2.1199	
25.	Adamovic, M. et al., JOURNAL OF HYDROLOGY, 2016, 10.1016/j.jhydrol.2016.03.032	
26.	Douinot, A. et al., JOURNAL OF HYDROLOGY, 2016, 10.1016/j.jhydrol.2015.08.024	
27.	Tao, J. et al., JOURNAL OF HYDROLOGY, 2016, 10.1016/j.jhydrol.2016.02.019	
28.	Zhang, L.-T. et al., JOURNAL OF HYDROLOGY, 2016, 10.1016/j.jhydrol.2016.01.061	
29.	Mutzner, R. et al., HYDROLOGICAL PROCESSES, 2016, 10.1002/hyp.10783	
30.	Mandal, S.P. and A. Chakrabarty, MODELING EARTH SYSTEMS AND ENVIRONMENT, 2016, 10.1007/s40808-016-0110-1	
31.	Emmanuel, I. et al., HOUILLE BLANCHE-REVUE INTERNATIONALE DE L'EAU, 2016, 10.1051/lhb/2016018	
32.	Emmanuel, I. et al., 3RD EUROPEAN CONFERENCE ON FLOOD RISK MANAGEMENT (FLOODRISK 2016), 2016, 10.1051/e3sconf/20160718004	
33.	Borges, P. de Amorim et al., HEORETICAL AND APPLIED CLIMATOLOGY, 2016, 10.1007/s00704-014-1359-9	
34.	Zocatelli, D. et al., JOURNAL OF HYDROLOGY, 2015, 10.1016/j.jhydrol.2015.08.014	
35.	Emmanuel, I. et al. JOURNAL OF HYDROLOGY, 2015, 10.1016/j.jhydrol.2015.04.058	
36.	Knozova, G., ENVIRONMENTAL & SOCIO-ECONOMIC STUDIES, 2015, 10.1515/environ-2015-0063	



37. Yang, L. et al., URBAN CLIMATE, 2015, 10.1016/j.uclim.2015.03.001
38. Borga, M. et al., JOURNAL OF HYDROLOGY, 2014, 10.1016/j.jhydrol.2014.05.022
39. Mei, Y. et al., JOURNAL OF HYDROLOGY, 2014, 10.1016/j.jhydrol.2013.12.013
40. Garambois, P.A. et al., ATMOSPHERIC RESEARCH, 2014, 10.1016/j.atmosres.2013.09.016
41. Nikolopoulos, E. et al., HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, 2014, 10.1080/02626667.2014.923889
42. Kang, K. and V. Merwade, HYDROLOGY RESEARCH, 2014, 10.2166/nh.2013.194
43. Laganier, O. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2014, 10.5194/nhess-14-2899-2014
44. Tao, J. and A.P. Barros, JOURNAL OF HYDROLOGY, 2013, 10.1016/j.jhydrol.2013.02.052
45. Teodosiu, C. et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 2013
46. Creutin, J.D., JOURNAL OF HYDROLOGY, 2013, 10.1016/j.jhydrol.2012.11.009
47. Tarolli, M. et al., JOURNAL OF HYDROLOGIC ENGINEERING, 2013, 10.1061/(ASCE)HE.1943-5584.0000569
48. Sharma, S. et al., JOURNAL OF HYDROLOGIC ENGINEERING, 2013, 10.1061/(ASCE)HE.1943-5584.0000617
49. Popescu, I. et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 2012, 10.30638/eemj.2012.284
50. Volpi, E. et al., ADVANCES IN WATER RESOURCES, 2012, 10.1016/j.advwatres.2012.04.011
51. Peleg, N. and E. Morin, JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, 2012, 10.1029/2011JD017353
52. Zoccatelli, D. et al., WEATHER RADAR AND HYDROLOGY, 2012, International Symposium on Weather Radar and Hydrology
53. Harader, E. et al. HYDROLOGY AND EARTH SYSTEM SCIENCES, 2012, 10.5194/hess-16-4247-2012
54. Kalinga, O.A. and T.Y. Gan, INTERNATIONAL JOURNAL OF REMOTE SENSING, 2012, 10.1080/01431161.2010.550641
55. Borga, M. et al., ENVIRONMENTAL SCIENCE & POLICY, 2011, 10.1016/j.envsci.2011.05.017
-

56. Yakir, H. and E. Morin, HYDROLOGY AND EARTH SYSTEM SCIENCES, 2011, 10.5194/hess-15-393-2011
57. Arnaud, P. et al., HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, 2011, 10.1080/02626667.2011.563742
58. Zoccatelli, D. et al., HYDROLOGY AND EARTH SYSTEM SCIENCES, 2011, 10.5194/hess-15-3767-2011
59. Borga, M. et al., JOURNAL OF HYDROLOGY, 2010, 10.1016/j.jhydrol.2010.07.048
60. Zanon, F. et al., JOURNAL OF HYDROLOGY, 2010, 10.1016/j.jhydrol.2010.08.020
61. Rossa, A. et al., JOURNAL OF HYDROLOGY, 2010, 10.1016/j.jhydrol.2010.08.035
2. **Antonescu, B.**, and S. Burcea, 2010: A cloud-to-ground lightning climatology for Romania. *Mon. Wea. Rev.*, **138**, 579–591. **39/2=19.5**
1. Biswasharma, R. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2021.105683
2. Nampak, H. et al., FIRE-SWITZERLAND, 2021, 10.3390/fire4010010
3. Sipos, Z. et al., IDOJARAS, 2021, 10.28974/idojaras.2021.1.1
4. Istrate, V. et al., IDOJARAS, 2021, 10.28974/idojaras.2021.1.2
5. Kochtubajda, B. and W.R. Burrows, ATMOSPHERE-OCEAN, 2020, 10.1080/07055900.2020.1845117
6. Hu, H. et al., GEOMATICS NATURAL HAZARDS & RISK, 2019, 10.1080/19475705.2019.1585968
7. Taszarek, M. et al., JOURNAL OF CLIMATE, 2018, 10.1175/JCLI-D-17-0596.1
8. dos Santos, A.P.P., INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5227
9. Hu, H. et al., GEOMATICS NATURAL HAZARDS & RISK, 2018, 10.1080/19475705.2017.1405849
10. Piper, D. and M. Kunz, NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2017, 10.5194/nhess-17-1319-2017
11. Kolendowicz, L. et al., ATMOSPHERIC RESEARCH, 2017, 10.1016/j.atmosres.2017.03.009
12. Wu, F. et al., JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2016, 10.1175/JAMC-D-16-0030.1
13. Marcos-Menendez, J.L. et al., METEOROLOGICAL APPLICATIONS, 2016, 10.1002/met.1590
-

Nr.	Articol	Citări
14.	Soula, S. et al., ATMOSPHERIC RESEARCH, 2016, 10.1016/j.atmosres.2016.04.006	
15.	Matsangouras, I.T. et al., ATMOSPHERIC RESEARCH, 2016, 10.1016/j.atmosres.2015.08.004	
16.	Poelman, D.R. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2016, 10.5194/nhess-16-607-2016	
17.	Xia, R. et al., JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2015, 10.1175/JAMC-D-15-0029.1	
18.	Yang, X. et al., WEATHER AND FORECASTING, 2015, 10.1175/WAF-D-14-00132.1	
19.	Taszarek, M. et al., MONTHLY WEATHER REVIEW, 2015, 10.1175/MWR-D-15-0206.1	
20.	Cica, R. et al., METEOROLOGICAL APPLICATIONS, 2015, 10.1002/met.1512	
21.	Wapler, K. and P. James, ATMOSPHERIC RESEARCH, 2015, 10.1016/j.atmosres.2014.07.011	
22.	Sfica, L. et al., WATER RESOURCES, FOREST, MARINE AND OCEAN ECOSYSTEMS, SGEM 2015, VOL I	
23.	Vanneste, E. et al., VETERINARY JOURNAL, 2015, 10.1016/j.tvjl.2014.10.024	
24.	Poelman, D.R., MONTHLY WEATHER REVIEW, 2014, 10.1175/MWR-D-14-00202.1	
25.	Feudale, L. and A. Manzato, JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2014, 10.1175/JAMC-D-14-0037.1	
26.	Nastos, P.T. et al., ATMOSPHERIC RESEARCH, 2014, 10.1016/j.atmosres.2013.10.021	
27.	Makela, A. et al., ATMOSPHERIC RESEARCH, 2014, 10.1016/j.atmosres.2014.01.008	
28.	Wang, Q., 32nd INTERNATIONAL CONFERENCE ON LIGHTNING PROTECTION (ICLP), 2014	
29.	Hu, H. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2014, 10.5194/nhess-14-1985-2014	
30.	Anderson, G. and D. Klugmann, NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2016, 10.5194/nhess-14-815-2014	
31.	Wapler, K., METEOROLOGY AND ATMOSPHERIC PHYSICS, 2013, 10.1007/s00703-013-0285-1	
32.	Enno, S.E. et al., THEORETICAL AND APPLIED CLIMATOLOGY, 2013, 10.1007/s00704-012-0666-2	
33.	Feudale, L. et al., ADVANCES IN SCIENCE AND RESEARCH, 2013, 10.5194/asr-10-77-2013	

Nr.	Articol	Citări
	34. Villarini, G., INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2012, 10.1002/joc.3394	
	35. Bovalo, C. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2012, 10.5194/nhess-12-2659-2012	
	36. Enno, S.E., ATMOSPHERIC RESEARCH, 2011, 10.1016/j.atmosres.2010.08.024	
	37. Novak, P. and H. Kyznarova, ATMOSPHERIC RESEARCH, 2011, 10.1016/j.atmosres.2010.08.022	
	38. Makela, A. et al., MONTHLY WEATHER REVIEW, 2011, 10.1175/2010MWR3517.1	
	39. West, G.L. and W.J. Steenburgh, MONTHLY WEATHER REVIEW, 2010, 10.1175/2010MWR3274.1	
3.	Groenemeijer, P., T. Púčik, A. M. Holzer, <b>B. Antonescu</b> , K. Riemann-Campe, D. M. Schultz, T. Kühne, B. Feuerstein, H. E. Brooks, C. A. Doswell III. H.-J. Koppert, and R. Sausen, 2017: Severe convective storms in Europe: Ten years of research at the European Severe Storms Laboratory. <i>Bull. Amer. Meteor. Soc.</i> , <b>98</b> , 2641–2651.	<b>38/8.5=4.470</b>
	1. Tomczyk, S. et al. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, 2021, 10.3390/ijerph18168353	
	2. Taszarek, M. et al. NPJ CLIMATE AND ATMOSPHERIC SCIENCE, 2021, 10.1038/s41612-021-00190-x	
	3. Voormansik, T. et al., REMOTE SENSING, 2021, 10.3390/rs13112178	
	4. Seiki, T., JOURNAL OF THE METEOROLOGICAL SOCIETY OF JAPAN, 2021, 10.2151/jmsj.2021-018	
	5. Raupach, T.H., NATURE REVIEWS EARTH AND ENVIRONMENT, 2021, 10.1038/s43017-020-00133-9	
	6. Leon-Cruz, J. F. et al. REMOTE SENSING, 2021, 10.3390/rs13061215	
	7. Brune, S. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2021, 10.1002/qj.3998	
	8. Pacey, G, P. et al., WEATHER AND FORECASTING, 2021, 10.1175/WAF-D-20-0075.1	
	9. Taszarek, M. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0004.1	
	10. Istrate, V. et al., IDOJARAS, 2021, 10.28974/idojaras.2021.1.2	
	11. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1	
	12. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0346.1	

13. Merz, B. et al., REVIEWS OF GEOPHYSICS, 2020, 10.1029/2020RG000704
  14. Rodriguez, O. and J. Bech, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2021, 10.1002/joc.6825
  15. Faranda, D. et al., GEOPHYSICAL RESEARCH LETTERS, 2020, 10.1029/2020GL088002
  16. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689
  17. Kunz, M. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2020, 10.5194/nhess-20-1867-2020
  18. Gatzert, C. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2020, 10.5194/nhess-20-1335-2020
  19. Koks, E.E. and T. Haer, SCIENTIFIC REPORTS, 2020, 10.1038/s41598-020-63580-w
  20. Tuovinen, J.-P. et al., WEATHER AND FORECASTING, 2020, 10.1175/WAF-D-19-0142.1
  21. Allen, J.T. et al., REVIEWS OF GEOPHYSICS, 2020, 10.1029/2019RG000665
  22. Brune, S et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2020, 10.1002/qj.3751
  23. Kaiser, M. et al., JOURNAL OF HYDROLOGY, 2020, 10.1016/j.jhydrol.2019.124466
  24. Pavan, V. et al., WEATHER, 2019, 10.1002/wea.3624
  25. Czernecki, B. et al., ATMOSPHERIC RESEARCH, 2019, 10.1016/j.atmosres.2019.05.010
  26. Gupta, V. et al., ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019, 10.1080/15567036.2019.1648597
  27. Barras, H. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2019, 10.1175/BAMS-D-18-0090.1
  28. Houze, R.A. Jr. et al., GEOPHYSICAL RESEARCH LETTERS, 2019, 10.1029/2019GL082414
  29. Taszarek, M. et al., JOURNAL OF CLIMATE, 2019, 10.1175/JCLI-D-18-0372.1
  30. Prein, A.F. and G.J. Holland, WEATHER AND CLIMATE EXTREMES, 2018, 10.1016/j.wace.2018.10.004
  31. James, P.M. et al., WEATHER AND FORECASTING, 2018, 10.1175/WAF-D-18-0038.1
  32. Trefalt, S. et al., ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2018.03.007
  33. Edwards, R. et al., JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2018, 10.1175/JAMC-D-17-0306.1
-

34. Holzer, A.M. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2018, 10.5194/nhess-18-1555-2018

35. Taszarek, M. et al., JOURNAL OF CLIMATE, 2018, 10.1175/JCLI-D-17-0596.1

36. Raedler, A.T. et al., JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2018, 10.1175/JAMC-D-17-0132.1

37. Martius, O. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2018, 10.1175/BAMS-D-17-0207.1

38. Inampues, J. et al., 2017 INTERNATIONAL SYMPOSIUM ON LIGHTNING PROTECTION (XIV SIPDA), 2017, 14th International Symposium on Lightning Protection (XIV SIPDA)

4. **Antonescu, B.**, D. M. Schultz, F. Lomas and T. Kühne, 2016: **33/4=8.250** Tornadoes in Europe: Synthesis of the observational datasets. *Mon. Wea. Rev.*, **144**, 2445–2480.

1. Mathias, L. et al., WEATHER, 2021, 10.1002/wea.3979

2. Rodriguez, O. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2020.105415

3. Pacey, G.P. et al., WEATHER AND FORECASTING, 2021, 10.1175/WAF-D-20-0075.1

4. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1

5. Martin, Y. et al., ANNALS OF THE AMERICAN ASSOCIATION OF GEOGRAPHERS, 2021, 10.1080/24694452.2020.1812371

6. Bryukhan, F.F. and G.P. Barulin, NUCLEAR TECHNOLOGY & RADIATION PROTECTION, 2020, 10.2298/NTRP2003216B

7. Martins, J. et al., ATMOSPHERE, 2020, 10.3390/atmos11091001

8. Kahraman, A. et al., ATMOSPHERE, 2020, 10.3390/atmos11080822

9. Leitao, P. and P. Pinto, ATMOSPHERE, 2020, 10.3390/atmos11070679

10. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689

11. Rodriguez, O. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2020, 10.5194/nhess-20-1513-2020

12. Tang, Y. et al., ATMOSPHERIC RESEARCH, 2020, 10.1016/j.atmosres.2019.104768

13. De, S. and A.K. Sahai, WEATHER, 2020, 10.1002/wea.3485

14. Chmielewski, T. and H. Nowak, ARCHIVES OF CIVIL ENGINEERING, 2020, 10.24425/ace.2020.135216

---

Nr.	Articol	Citări
15.	Brazdil, R. et al., THEORETICAL AND APPLIED CLIMATOLOGY, 2019, 10.1007/s00704-018-2553-y	
16.	Pilguy, N. et al., ATMOSPHERIC RESEARCH, 2019, 10.1016/j.atmosres.2018.11.017	
17.	Mashiko, W., JOURNAL OF THE METEOROLOGICAL SOCIETY OF JAPAN, 2019, 10.2151/jmsj.2019-001	
18.	Renko, T. et al., PURE AND APPLIED GEOPHYSICS, 2018, 10.1007/s00024-018-1833-x	
19.	Avgoustoglou, E. et al., ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2017.07.022	
20.	Miglietta, M.M. and I.T. Matsangouras, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5526	
21.	Holzer, A.M. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2018, 10.5194/nhess-18-1555-2018	
22.	Rodriguez, O. and J. Bech, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5343	
23.	Chen, J. et al., INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5369	
24.	Tuovinen, J.-P. et al., OREAL ENVIRONMENT RESEARCH, 2018	
25.	Shikhov, A. and A. Chernokulsky, REMOTE SENSING OF ENVIRONMENT, 2018, 10.1016/j.rse.2017.10.002	
26.	Avotniece, Z. et al., ENVIRONMENTAL AND CLIMATE TECHNOLOGIES, 2017, 10.1515/rtuect-2017-0014	
27.	Mosoarca, M. et al., ENGINEERING FAILURE ANALYSIS, 2017, 10.1016/j.engfailanal.2017.06.013	
28.	Miglietta, M.M. et al., SCIENTIFIC REPORTS, 2017, 10.1038/s41598-017-13170-0	
29.	Paraschiv, V. and O.-M. Machidon, PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, 2017, 10.1515/pesd-2017-0037	
30.	Miglietta, M.M. et al. WEATHER AND FORECASTING, 2017, 10.1175/WAF-D-16-0223.1	
31.	Taszarek, M. and J. Gromadzki, MONTHLY WEATHER REVIEW, 2017, 10.1175/MWR-D-16-0146.1	
32.	Taszarek, M. et al., MONTHLY WEATHER REVIEW, 2017, 10.1175/MWR-D-16-0384.1	
33.	Apsley, M. et al., WEATHER AND FORECASTING, 2016, 10.1175/WAF-D-15-0131.1	

Nr.	Articol	Citări
5.	<b>Antonescu, B.</b> , D. M. Schultz, A. Holzer, and P. Groenemeijer, 2017: Tornadoes in Europe: An Underestimated Threat. <i>Bull. Amer. Meteor. Soc.</i> , <b>98</b> , 713–728.	<b>31/4=7.750</b>
	1. Avolio, E. and Miglietta, M.M., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2021.105800	
	2. Taszarek, M. et al., NPJ CLIMATE AND ATMOSPHERIC SCIENCE, 2021, 10.1038/s41612-021-00190-x	
	3. Mathias, L. et al., WEATHER, 2021, 10.1002/wea.3979	
	4. Franza, A. et al., METEORITICS & PLANETARY SCIENCE, 2021, 10.1111/maps.13654	
	5. Pettit, J.L. et al., JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, 2021, 10.1029/2020JD033929	
	6. Cwik, P. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0076.1	
	7. Rodriguez, O. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2020.105415	
	8. Pacey, G.P. et al., WEATHER AND FORECASTING, 2021, 10.1175/WAF-D-20-0075.1	
	9. Tochimoto, E. et al., ATMOSPHERE, 2021, 10.3390/atmos12020180	
	10. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1	
	11. Chernokulsky, A. et al., ATMOSPHERE, 2020, 10.3390/atmos11111146	
	12. Rodriguez, O. and J. Bech, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2021, 10.1002/joc.6825	
	13. Martins, J. et al., ATMOSPHERE, 2020, 10.3390/atmos11091001	
	14. Rodriguez, O. and J. Bech, NATURAL HAZARDS, 2020, 10.1007/s11069-020-04202-6	
	15. Grieser, J. and P. Haines, ATMOSPHERE, 2020, 10.3390/atmos11070768	
	16. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689	
	17. Romanskii, S.O. et al., RUSSIAN METEOROLOGY AND HYDROLOGY, 2020, 10.3103/S1068373920060035	
	18. Rodriguez, O., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2020, 10.5194/nhess-20-1513-2020	
	19. Ingrosso, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11030301	
	20. Chipilski, H.G. et al., ATMOSPHERE, 2019, 10.3390/atmos10090486	



- 
21. Brazdil, R. et al., THEORETICAL AND APPLIED CLIMATOLOGY, 2019, 10.1007/s00704-018-2553-y
22. Mashiko, W. JOURNAL OF THE METEOROLOGICAL SOCIETY OF JAPAN, 2019, 10.2151/jmsj.2019-001
23. Hoffmann, P. et al., ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2018.04.009
24. Michaelides, S. et al., ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2017.11.022
25. Chernokulsky, A. and A. Shikhov, ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2018.02.011
26. Miglietta, M.M. and I.T. Matsangouras, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5526
27. Holzer, A.M. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2018, 10.5194/nhess-18-1555-2018
28. Meng, Z. et al., WEATHER AND FORECASTING, 2018, 10.1175/WAF-D-17-0085.1
29. Rodriguez, O. and J. Bech, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5343
30. Chen, J. et al., INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5369
31. Vashchenko, V.M. et al., GEOFIZICHESKIY ZHURNAL-GEOPHYSICAL JOURNAL, 2018, 10.24028/gzh.0203-3100.v40i3.2018.137206
6. Vaughan, G., J. Methven, D. Anderson, **B. Antonescu**, L. Baker, T. P. Baker, S. P. Ballard, K. N. Bower, P. R. A. Brown, J. Chagnon, T. W. Chouarton, J. Chylik, P. J. Connolly, P. A. Cook, R. J. Cotton, J. Crosier, C. Dearden, J. R. Dorsey, T. H. A. Frame, M. W. Gallagher, M. Goodliff, S. L. Gray, B. J. Harvey, P. Knippertz, H. W. Lean, D. Li, G. Lloyd, O. Martínez-Alvarado, J. Nicol, J. Norris, E. Öström, J. Owen, D. J. Parker, R. S. Plant, I. A. Renfrew, N. M. Roberts, P. Rosenberg, A. C. Rudd, D. M. Schultz, J. P. Taylor, T. Trzeciak, R. Tubbs, A. K. Vance, P. J. van Leeuwen, A. Wellpott, and A. Woolley, 2014: Cloud banding and winds in intense European cyclones: Results from the DIAMET Project. *Bull. Amer. Meteor. Soc.*, **96**, 249–265. 26/20.333=1.278
1. Zea, L.R. et al., ATMOSPHERE, 2021, 10.3390/atmos12080979
2. Pradhan, P.K. et al., JOURNAL OF EARTH SYSTEM SCIENCE, 2021, 10.1007/s12040-020-01546-2
3. Stathopoulos, C. et al., DYNAMICS OF ATMOSPHERES AND OCEANS, 2020, 10.1016/j.dynatmoce.2020.101140
-

Nr.	Articol	Citări
4.	Riviere, G. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2020, 10.1002/qj.3767	
5.	Solomon, A. et al., TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, 2019, 10.1016/j.trd.2019.01.023	
6.	Schaefer, A. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2018, 10.1175/BAMS-D-17-0003.1	
7.	Clark, P.A. and S.L Gray, QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2018, 10.1002/qj.3267	
8.	Browning, K.A. and D.J Smart, QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2018, 10.1002/qj.3190	
9.	Harvey, B. et al., MONTHLY WEATHER REVIEW, 2017, 10.1175/MWR-D-16-0479.1	
10.	Earl, N. et al., GEOPHYSICAL RESEARCH LETTERS, 2017, 10.1002/2017GL073124	
11.	Parsons, D.B. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2017, 10.1175/BAMS-D-14-00025.1	
12.	Schultz, D.M. and K.A. Browning, WEATHER, 2017, 10.1002/wea.2795	
13.	Slater, T.P. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2017, 10.1002/qj.2924	
14.	Pirret, J.S.R. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2017, 10.1002/qj.2923	
15.	Joos, H. and R.M. Forbes, QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2016, 10.1002/qj.2863	
16.	Martinez-Alvarado, O. et al., MONTHLY WEATHER REVIEW, 2016, 10.1175/MWR-D-15-0395.1	
17.	Crespo, J.A. and D.J. Posselt, MONTHLY WEATHER REVIEW, 2016, 10.1175/MWR-D-15-0435.1	
18.	Coronel, B. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2016, 10.1002/qj.2775	
19.	Dearden, C. et al., MONTHLY WEATHER REVIEW, 2016, 10.1175/MWR-D-15-0253.1	
20.	Saffin, L. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2016, 10.1002/qj.2729	
21.	Zhou, H., ADVANCES IN METEOROLOGY, 2016, 10.1155/2016/9059383	
22.	Hart, N.C.G. et al., MONTHLY WEATHER REVIEW, 2015, 10.1175/MWR-D-14-00382.1	

Nr.	Articol	Citări
	23. Hewson, T.D. and U. Neu, TELLUS SERIES A-DYNAMIC METEOROLOGY AND OCEANOGRAPHY, 2015, 10.3402/tellusa.v67.27128	
	24. Rautenhaus, M. et al., GEOSCIENTIFIC MODEL DEVELOPMENT, 2015, 10.5194/gmd-8-2329-2015	
	25. Rautenhaus, M. et al., MONTHLY WEATHER REVIEW, 2014, 10.1175/MWR-D-14-00048.1	
	26. Dearden, C. et al., MONTHLY WEATHER REVIEW, 2014, 10.1175/MWR-D-14-00048.1	
7.	Nicolae, D., J. Vasilescu, C. Talianu, I. Biniotoglou, V. Nicolae, S. Andrei, and <b>B. Antonescu</b> , 2018: A neural network aerosol-typing algorithm based on lidar data. <i>Atmos. Chem. Phys.</i> , <b>18</b> , 14511–14537.	22/6=3.667
	1. Li, Q.Y. et al., INFRARED PHYSICS AND TECHNOLOGY, 2021, 10.1016/j.infrared.2021.103852	
	2. Peng, L. et al., OPTICS EXPRESS, 2021, 10.1364/OE.427864	
	3. Churnside, J.H. et al., REMOTE SENSING, 2021, 10.3390/rs13132512	
	4. Srivastava, N. et al., JOURNAL OF WATER AND CLIMATE CHANGE, 2021, 10.2166/wcc.2021.336	
	5. Stebel, K. et al., REMOTE SENSING, 2021, 10.3390/rs13112219	
	6. Salgueiro, V. et al., ATMOSPHERIC ENVIRONMENT, 2021, 10.1016/j.atmosenv.2021.118346	
	7. Radenz, M. et al, ATMOSPHERIC CHEMISTRY AND PHYSICS, 2021, 10.5194/acp-21-3015-2021	
	8. Mylonaki, M. et al., 29TH INTERNATIONAL LASER RADAR CONFERENCE (ILRC 29), 2020, 10.1051/epjconf/202023708003	
	9. Farhani, G. et al. , ATMOSPHERIC MEASUREMENT TECHNIQUES, 2021, 10.5194/amt-14-391-2021	
	10. Voudouri, K. et al, REMOTE SENSING, 2020, 10.3390/rs12233969	
	11. Adam, M. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-13905-2020	
	12. Papagiannopoulos, N. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-10775-2020	
	13. Wang, S. et al., REMOTE SENSING, 2020, 10.3390/rs12172769	
	14. Hofer, J. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-9265-2020	

15. Filioglou, M. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-8909-2020
16. Ohneiser, K. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-8003-2020
17. Wang, D. et al., OPTICS EXPRESS, 2020, 10.1364/OE.393625
18. Siomos, N. et al., REMOTE SENSING, 2020, 10.3390/rs12060965
19. Mylonaki, M. et al., 29TH INTERNATIONAL LASER RADAR CONFERENCE (ILRC 29), 2020, 10.1051/epjconf/202023708003
20. Wang, D. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2019, 10.5194/acp-19-13097-2019
21. Voudouri, K.A. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2019, 10.5194/acp-19-10961-2019
22. Talianu, C. and Seibert, P., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2019, 10.5194/acp-19-6235-2019
8. **Antonescu, B.** and A. Bell, 2015: Tornadoes in Romania. *Mon. Wea. Rev.*, **143**, 689–701. **11/2=5.5**
1. Roomi, T.O. and F.S. Basheer, BAGHDAD SCIENCE JOURNAL, 2021, 10.21123/bsj.2021.18.2(Suppl.).1038
2. Sipos, Z. et al., IDOJARAS, 2021, 10.28974/idojaras.2021.1.1
3. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1
4. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689
5. Brazdil, R. et al., THEORETICAL AND APPLIED CLIMATOLOGY, 2019, 10.1007/s00704-018-2553-y
6. Avgoustoglou, E. et al., ATMOSPHERIC RESEARCH, 2018, 10.1016/j.atmosres.2017.07.022
7. Miglietta, M.M. and I.T. Matsangouras, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5526
8. Rodriguez, O. and J. Bech, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2018, 10.1002/joc.5343
9. Paraschiv, V. and O.-M. Machidon, PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, 2017, 10.1515/pesd-2017-0037
10. Taszarek, M. and J. Gromadzki, MONTHLY WEATHER REVIEW, 2017, 10.1175/MWR-D-16-0146.1
11. Zhou, H., ADVANCES IN METEOROLOGY, 2016, 10.1155/2016/9059383
-

Nr.	Articol	Citări
9.	<b>Antonescu, B.</b> , J. G. Fairman Jr., and D. M. Schultz, 2018: What's the worst that could happen? Re-examining the 24–25 June 1967 tornado outbreak over Western Europe. <i>Weather Clim. Soc.</i> , <b>10</b> , 323–340.	<b>8/3=2.666</b>
	<ol style="list-style-type: none"> <li>1. Mathias, L. et al., WEATHER, 2021, 10.1002/wea.3979</li> <li>2. Cwik, P. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0076.1</li> <li>3. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1</li> <li>4. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0346.1</li> <li>5. Merz, B. et al., REVIEWS OF GEOPHYSICS, 2020, 10.1029/2020RG000704</li> <li>6. Fricker, T., INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, 2020, 10.1016/j.ijdr.2020.101535</li> <li>7. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689</li> <li>8. Holzer, A.M. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2018, 10.5194/nhess-18-1555-2018</li> </ol>	
10.	<b>Antonescu, B.</b> , and F. Cărbunaru, 2017: Cloud-to-ground lightning fatalities in Romania. <i>Weather Clim. Soc.</i> , <b>10</b> , 241–252.	<b>8/2=4.0</b>
	<ol style="list-style-type: none"> <li>1. Brazdil, R. et al., NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2021, 10.5194/nhess-21-1355-2021</li> <li>2. Garner, J. et al., WEATHER CLIMATE AND SOCIETY, 2020, 10.1175/WCAS-D-19-0124.1</li> <li>3. Mills, B., NATURAL HAZARDS, 2020, 10.1007/s11069-020-03942-9</li> <li>4. Chipilski, H. et al., ATMOSPHERE, 2019, 10.3390/atmos10090486</li> <li>5. Hoque, M. A.-A. et al., INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, 2019, 10.1016/j.ijdr.2019.101197</li> <li>6. Gomes, C. and M. Izadi, 2019 INTERNATIONAL SYMPOSIUM ON LIGHTNING PROTECTION (XV SIPDA), 2019</li> <li>7. Mushtaq, F. et al., JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, 2018, 10.1016/j.jastp.2018.08.011</li> <li>8. Elsom, D.M., INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, 2018, 10.1016/j.ijdr.2018.06.001</li> </ol>	
11.	Bursea, S., S. Cheval, A. Dumitrescu, <b>B. Antonescu</b> , A. Bell, and T. Breza, 2012: Comparison between radar estimated rain gauge measured precipitation in the Moldavian Plateau. <i>Environ. Eng. Manag. J.</i> , <b>4</b> , 723–731.	<b>8/5.5=1.454</b>

1. Dumitrescu, A. et al., WATER RESOURCES MANAGEMENT, 2020, 10.1007/s11269-020-02622-4
  2. Hambali, R. et al., 2ND INTERNATIONAL CONFERENCE ON GREEN ENERGY AND ENVIRONMENT (ICOGEE 2020), 2020, 10.1088/1755-1315/599/1/012044
  3. Potopova, V. et al., THEORETICAL AND APPLIED CLIMATOLOGY, 2019, 10.1007/s00704-019-02789-w
  4. Hambali, R. et al., JOURNAL OF DISASTER RESEARCH, 2019
  5. Cunha, A.P.M.A. et al., ATMOSPHERIC SCIENCE LETTERS, 2018, 10.1002/asl.855
  6. Canovas-Garcia, F. et al., REMOTE SENSING, 2018, 10.3390/rs10071023
  7. Chitu, Z. et al, LANDSLIDES, 2017, 10.1007/s10346-016-0740-4
  8. Craciun, C. and O. Catrina, METEOROLOGICAL APPLICATIONS, 2016, 10.1002/met.1591
  12. Chernokulsky, A, M.V. Kurgansky, I. Mokhov, A. Shikhov, I. Azhigov, E. Selezneva, D. Zakharchenko, **B. Antonescu**, and T. Kühne, 2020: Tornadoes in Northern Eurasia: from the Middle Age to the Information Era. *Mon. Wea. Rev.*, **148**, 3081–3110. 11/7=1.571
  1. Kostianaia, E.A. et al., HYDROLOGY, 2021, 10.3390/hydrology8030133
  2. Kalinin, N.A. et al., ATMOSPHERIC AND OCEANIC OPTICS, 2021, 10.1134/S1024856021030064
  3. Alekseenko, A. et al., ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, 2021, 10.1007/s10653-021-00885-3
  4. Rodriguez, O. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2020.105415
  5. Taszarek, M. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0004.1
  6. Kalinin, N.A. et al., RUSSIAN METEOROLOGY AND HYDROLOGY, 2021, 10.3103/S1068373921020035
  7. Shikhov, A. N. et al., EARTH SYSTEM SCIENCE DATA, 2020, 10.5194/essd-12-3489-2020
  8. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1
  9. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0346.1
  10. Chernokulsky, A., ATMOSPHERE, 2020, 10.3390/atmos11111146
  11. Grieser, J. and P. Haines, ATMOSPHERE, 2020, 10.3390/atmos11070768
-

Nr.	Articol	Citări
13.	Mărmureanu, L., C.A. Marin, S. Andrei, <b>B. Antonescu</b> , D. Ene, M. Boldeanu, J. Vasilescu, C. Vițelaru, O. Cadar, and E. Levei, 2019: Orange snow - A Saharan Dust Intrusion over Romania During Winter Conditions. <i>Remote Sens.</i> , <b>11</b> , 2466.	<b>7/7.5=0.933</b>
	1. Deleva, A/ et al., JOURNAL OF APPLIED REMOTE SENSING, 2021, 10.1117/1.JRS.15.024517	
	2. Dobri, R.-V. et al., REMOTE SENSING, 2021, 10.3390/rs13081478	
	3. Nemuc, A. et al., EUROPEAN REVIEW, 2021, 10.1017/S1062798720000733	
	4. Marin, C. et al., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2021	
	5. Dumont, M. et al., JOURNAL OF GEOPHYSICAL RESEARCH-EARTH SURFACE, 2020, 10.1029/2020JF005641	
	6. Ajtai, N. et al., ATMOSPHERE, 2020, 10.3390/atmos11040364	
	7. Timpu, S. et al., ATMOSPHERE, 2020, 10.3390/atmos11040349	
14.	<b>Antonescu, B.</b> , S. Burcea, and A. Tanase, 2013: Forecasting the onset of cloud-to-ground lightning using radar and upper-air data in Romania. <i>Int. J. Climatol.</i> , <b>33</b> , 1579–1584.	<b>6/3=2.0</b>
	1. Hayashi, S. et al., METEOROLOGY AND ATMOSPHERIC PHYSICS, 2021, 10.1007/s00703-020-00748-z	
	2. Yang, B. et al., EARTH AND SPACE SCIENCE, 2020, 10.1029/2019EA000733	
	3. Capozzi, V. et al. REMOTE SENSING, 2018, 10.3390/rs10111797	
	4. Wang, J. et al. ATMOSPHERIC RESEARCH, 2016, 10.1016/j.atmosres.2016.03.007	
	5. Zhou, H., ADVANCES IN METEOROLOGY, 2016, 10.1155/2016/9059383	
	6. Lakshmanan, V. et al., JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2015, 10.1175/JAMC-D-14-0132.1	
15.	Brâncuș, M., D.M. Schultz, <b>B. Antonescu</b> , C. Dearden, and S. Ștefan, 2019: Origin of strong winds in an explosive Mediterranean extratropical cyclone. <i>Mon. Wea. Rev.</i> , <b>147</b> , 3649–3671.	<b>6/5=1.200</b>
	1. Jiang, L.-Z. et al., INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2021, 10.1002/joc.7284	
	2. Jiang, L.-Z. et al., ATMOSPHERIC SCIENCE LETTERS, 2021, 10.1002/asl.1028	
	3. de Jesus, E. M. et al., CLIMATE DYNAMICS, 2021, 10.1007/s00382-020-05490-1	
	4. Riviere, G. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2020, 10.1002/qj.3767	

Nr.	Articol	Citări
	5. Eisenstein, L. et al., QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY, 2020, 10.1002/qj.3666	
	6. Caian, M. and M.D. Andrei, ATMOSPHERE, 2019, 10.3390/atmos10120770	
16.	Nicolae, V., C. Talianu, S. Andrei, <b>B. Antonescu</b> , D. Ene, D. Nicolae, A. Dandocsi, V.-E. Toader, S. Ștefan, T. Savu, J. Vasilescu, 2019: Multiyear typology of long-range transported aerosols over Europe. <i>Atmosphere</i> , <b>10</b> , 482.	<b>8/8=1.000</b>
	1. Mylonaki, M., REMOTE SENSING, 2021, 10.3390/rs13193877	
	2. Urlea, A.D., METEOROLOGICAL APPLICATIONS, 2021, 10.1002/met.2001	
	3. Sanap, S.D., ATMOSPHERIC ENVIRONMENT, 2021, 10.1016/j.atmosenv.2020.118132	
	4. DELEVA, A., XXI INTERNATIONAL CONFERENCE AND SCHOOL ON QUANTUM ELECTRONICS: LASER PHYSICS AND APPLICATIONS, 2021, 10.1088/1742-6596/1859/1/012032	
	5. Voiculescu, M., ATMOSPHERE, 2021, 10.3390/atmos12010056	
	6. Adam, M. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-13905-2020	
	7. Ajtai, N. et al., ATMOSPHERE, 2020, 10.3390/atmos11040364	
	8. Timpu, S. et al., ATMOSPHERE, 2020, 10.3390/atmos11040349	
17.	Púčík, T., C. Castellano, P. Groenemeijer, T. Kühne, A. Rädler, <b>B. Antonescu</b> , and E. Faust, 2019: Large hail incidence and its economical and societal impacts across Europe. <i>Mon. Wea. Rev.</i> , <b>147</b> , 3901–3916.	<b>9/6=1.500</b>
	1. Montopoli, M. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2021.105852	
	2. Varga, A.J. and Breuer, H., CLIMATE DYNAMICS, 2021, 10.1007/s00382-021-05979-3	
	3. Sun, S., SUSTAINABILITY, 2021, 10.3390/su131810402	
	4. Jelic, D., ATMOSPHERE, 2021, 10.3390/atmos12070908	
	5. Raupach, T.H., NATURE REVIEWS EARTH AND ENVIRONMENT, 2021, 10.1038/s43017-020-00133-9	
	6. Pacey, G.P. et al., WEATHER AND FORECASTING, 2021, 10.1175/WAF-D-20-0075.1	
	7. Tazarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1	
	8. Kunz, M. et al. NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, 2020, 10.5194/nhess-20-1867-2020	



Nr.	Articol	Citări
	9. Tuovinen, J.-P. et al., WEATHER AND FORECASTING, 2020, 10.1175/WAF-D-19-0142.1	
18.	Cheval, S., D. Micu, A. Dumitrescu, A. Irimescu, M. Frighenciu, C. Iojă, N.C. Tudose, Ș. Davidescu, <b>B. Antonescu</b> , 2020: Meteorological and Ancillary Data Resources for Climate Research in Urban Areas. <i>Climate</i> , <b>8</b> , 37.	6/7=0.857
	1. Tudose, N.C. et al., ADVANCES IN CLIMATE CHANGE RESEARCH, 2021, 10.1016/j.accre.2021.08.005	
	2. Cabrera, A.N. et al., FRONTIERS IN ENVIRONMENTAL SCIENCE, 2021, 10.3389/fenvs.2021.673937	
	3. Tomasi, M. et al., SUSTAINABILITY, 2021, 10.3390/su13126851	
	4. Mendoza-Cano, O. et al., JOURNAL OF HYDROINFORMATICS, 2021, 10.2166/hydro.2021.126	
	5. Cheval, S. et al., URBAN CLIMATE, 2020, 10.1016/j.uclim.2020.100696	
	6. Cheval, S. et al., SENSORS, 2020, 10.3390/s20185336	
19.	Mărmureanu, L., J. Vasilescu, J. Slowik, A.S.H. Prévôt, C.A. Marin, <b>B. Antonescu</b> , A. Vlachou, A. Nemuc, A. Dandocsi, and S. Szidat, 2020: Online Chemical Characterization and Source Identification of Summer and Winter Aerosols in Măgurele, Romania. <i>Atmosphere</i> , <b>11</b> , 385.	3/7.5=0.4
	1. Marin, C.A. et al., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2021	
	2. Hoffer, A. et al., ATMOSPHERIC CHEMISTRY AND PHYSICS, 2020, 10.5194/acp-20-16135-2020	
	3. Levei, L. et al., APPLIED SCIENCES-BASEL, 2020, 10.3390/app10155331	
20.	<b>Antonescu, B.</b> , T. Púčik, and D.M. Schultz, 2020: Hindcasting the First Tornado Forecast in Europe: 25 June 1967. <i>Wea. Forecasting</i> , <b>35</b> , 417–436.	4/3=1.333
	1. Xue, X.Y. et al., JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, 2021, 10.1029/2021JD034950	
	2. Mathias, L. et al., WEATHER, 2021, 10.1002/wea.3979	
	3. Rodriguez, O. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2020.105415	
	4. Taszarek, M. et al., BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0004.1	

Nr.	Articol	Citări
21.	<b>Antonescu, B.</b> , D.M. Schultz, H.M.A.M Ricketts, and D. Ene, 2019: Theories on tornado and waterspout formation in ancient Greece and Rome. <i>Weather Clim. Soc.</i> , <b>11</b> , 889–900.	<b>3/4=0.750</b>
	1. Pacey, G.P. et al., WEATHER AND FORECASTING, 2021, 10.1175/WAF-D-20-0075.1 2. Taszarek, M. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-20-0345.1 3. Brazdil, R. et al., ATMOSPHERE, 2020, 10.3390/atmos11070689	
22.	Marin, C.A., L. Mărmureanu, C. Radu, A. Dandocsi, C. Stan, F. Țoancă, L. Preda, and <b>B. Antonescu</b> : Wintertime variations of gaseous atmospheric constituents in Bucharest peri-urban area. <i>Atmosphere</i> , <b>10</b> , 478.	<b>3/6.5=0.461</b>
	1. Marin, C.A. et al, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 2021 2. Voiculescu, M. et al., ATMOSPHERE, 2021, 10.3390/atmos12010056 3. Stan, C. et al., PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2020, 10.1016/j.physa.2019.123799	
23.	Cârstea, E., K. Fragkos, N. Siomos, <b>B. Antonescu</b> , and L. Belegante, 2019: Columnar aerosol measurements in a continental southeastern Europe site: Climatology and trends. <i>Theor. Appl. Climatol.</i> , <b>137</b> , 3149–3159.	<b>3/5=0.600</b>
	1. Siomos, N. et al., REMOTE SENSING, 2020, 10.3390/rs12060965 2. Adam, M. et al., 29TH INTERNATIONAL LASER RADAR CONFERENCE (ILRC 29), 2020, 10.1051/epjconf/202023703004 3. Dandocsi, A. et al., 29TH INTERNATIONAL LASER RADAR CONFERENCE (ILRC 29), 2020, 10.1051/epjconf/202023703002	
24.	Vaughan, G., <b>B. Antonescu</b> , D. M. Schultz, and C. Dearden, 2017: Invigoration and capping of a convective rainband ahead of a potential vorticity anomaly. <i>Mon. Wea. Rev.</i> , <b>145</b> , 2093–2117.	<b>3/4=0.750</b>
	1. Munoz, C. and D.M. Schultz, JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY, 2021, 10.1175/JAMC-D-20-0135.1 2. Munoz, C. et al., JOURNAL OF CLIMATE, 2020, 10.1175/JCLI-D-19-0497.1 3. Caian, M. and M.D. Andrei, ATMOSPHERE, 2019, 10.3390/atmos10120770	

Nr.	Articol	Citări
25.	Schultz, D. M., <b>B. Antonescu</b> , and A. Chiariello, 2014: Searching for the elusive cold-type occluded front. <i>Mon. Wea. Rev.</i> , <b>142</b> , 2565–2570.	<b>3/3=1.0</b>
	<ol style="list-style-type: none"> <li>Schultz, D.M., JOURNAL OF CLIMATE, 2018, 10.1175/JCLI-D-17-0619.1</li> <li>Naud, Catherine M. et al., JOURNAL OF CLIMATE, 2018, 10.1175/JCLI-D-17-0777.1</li> <li>Li, X. et al., IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, 2015, 10.1109/TGRS.2015.2420312</li> </ol>	
26.	Schultz, D. M., H. Volkert, <b>B. Antonescu</b> , and H. C. Davies, 2020: Defender and Expositor of the Bergen Methods of Synoptic Analysis: Significance, History, and Translation of Bergeron’s (1928) “Three-Dimensionally Combining Synoptic Analysis”, <i>Bull. Amer. Meteor. Soc.</i> , <b>101</b> , E2078–E2094.	<b>1/4=0.250</b>
	<ol style="list-style-type: none"> <li>Schultz, D.M. and D. Keyser, BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, 2021, 10.1175/BAMS-D-20-0078.1</li> </ol>	
27.	<b>Antonescu, B.</b> , H.M.A.M. Ricketts and D. M. Schultz, 2019: 100 Years Later: Reflecting on Alfred Wegener’s Contributions to Tornado Research in Europe. <i>Bull. Amer. Meteor. Soc.</i> , <b>100</b> , 567–578.	<b>1/3=0.333</b>
	<ol style="list-style-type: none"> <li>Rodriguez, O. et al., ATMOSPHERIC RESEARCH, 2021, 10.1016/j.atmosres.2020.105415</li> </ol>	
28.	Fragkos, K., <b>B. Antonescu</b> , D.M. Giles, E. Ene, M. Boldeanu, G.A. Efstathiou, L. Belegante, and D. Nicolae, 2019: Assessment of the total precipitable water from a sunphotometer, microwave radiometer, and radiosondes at a continental site in southeastern Europe. <i>Atmos. Meas. Tech.</i> , <b>12</b> , 1979–1997.	<b>1/6.5=0.153</b>
	<ol style="list-style-type: none"> <li>Wang, D. et al., OPTICS EXPRESS, 2020, 10.1364/OE.393625</li> </ol>	
29.	<b>Antonescu, B.</b> , and S. Stefan, 2011: The urban effect on the cloud-to-ground lightning activity in the Bucharest area. <i>Romanian Reports in Physics</i> , <b>63</b> , 535–542.	<b>1/2=0.5</b>
	<ol style="list-style-type: none"> <li>Lal, D.M. et al., CLIMATE DYNAMICS, 2018, 10.1007/s00382-017-3851-2</li> </ol>	
30.	<b>Antonescu, B.</b> , L. Mărmureanu, J. Vasilescu, C.A. Marin, S. Andrei, M. Boldeanu, D. Ene, and A. Țilea, 2021: A 41-years bioclimatology of thermal stress in Europe. <i>Int. J. Climatol.</i> , <b>41</b> , 3934–3952.	<b>1/6.5=0.153</b>
	<ol style="list-style-type: none"> <li>Shin, J.Y. et al., SCIENCE OF THE TOTAL ENVIRONMENT, 2022, 10.1016/j.scitotenv.2021.150132</li> </ol>	

---

Nr.	Articol	Citări
31.	Andrei, S., <b>B. Antonescu</b> , M. Boldeanu, L. Mărmureanu, C.A. Marin, J. Vasilescu, D. Ene, 2019: An Exceptional Case of Freezing Rain in Bucharest (Romania). <i>Atmosphere</i> , <b>10</b> , 673.	1/6= <b>0.166</b>
	1. McCray, C.D. et al., MONTHLY WEATHER REVIEW, 2021, 10.1175/MWR-D-20-0306.1	

---

Bogdan Antonescu

