

# John van Boxel

## List of Publications by Year in descending order

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36  
papers

1,554  
citations

394421

19  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1425  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The effect of turbulent flow structures on saltation sand transport in the atmospheric boundary layer. <i>Earth Surface Processes and Landforms</i> , 1998, 23, 877-887.  | 2.5 | 141       |
| 2  | Air flow over foredunes and implications for sand transport. <i>Earth Surface Processes and Landforms</i> , 1995, 20, 315-332.  | 2.5 | 116       |
| 3  | The effect of single vegetation elements on wind speed and sediment transport in the Sahelian zone of Burkina Faso. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 1454-1474.                             | 2.5 | 107       |
| 4  | Sonic anemometers in aeolian sediment transport research. <i>Geomorphology</i> , 2004, 59, 131-147.   | 2.6 | 102       |
| 5  | Aeolian processes across transverse dunes. II: modelling the sediment transport and profile development. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 319-333.  | 2.5 | 98        |
| 6  | Pollen-based biome reconstructions for Latin America at 0, 6000 and 18 000 radiocarbon years ago. <i>Climate of the Past</i> , 2009, 5, 725-767.  | 3.4 | 87        |
| 7  | Wind forces and related saltation transport. <i>Geomorphology</i> , 2005, 71, 357-372.  | 2.6 | 82        |
| 8  | Influence of reed stem density on foredune development. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 1161-1176.   | 2.5 | 77        |
| 9  | Modelling wind-blown sediment transport around single vegetation elements. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 1218-1229.  | 2.5 | 77        |
| 10 | Changes in grain size of sand in transport over a foredune. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 1163-1175.   | 2.5 | 66        |
| 11 | Updated site compilation of the Latin American Pollen Database. <i>Review of Palaeobotany and Palynology</i> , 2015, 223, 104-115.  | 1.5 | 63        |
| 12 | Aeolian processes across transverse dunes. I: Modelling the air flow. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 255-270.   | 2.5 | 62        |
| 13 | Ecological effects of reactivation of artificially stabilized blowouts in coastal dunes. <i>Journal of Coastal Conservation</i> , 1997, 3, 57-62.   | 1.6 | 61        |
| 14 | Changes of the displacement height and roughness length of maize during a growing season. <i>Agricultural and Forest Meteorology</i> , 1988, 42, 53-62.   | 4.8 | 51        |
| 15 | Nighttime free convection characteristics within a plant canopy. <i>Boundary-Layer Meteorology</i> , 1994, 71, 375-391.   | 2.3 | 46        |
| 16 | Water and surface energy balance model with a multilayer canopy representation for remote sensing purposes. <i>Water Resources Research</i> , 1989, 25, 949-971.  | 4.2 | 43        |
| 17 | Geographic changes in the Aegean Sea since the Last Glacial Maximum: Postulating biogeographic effects of sea-level rise on islands. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 471, 108-119. | 2.3 | 30        |
| 18 | The dependence of canopy layer turbulence on within-canopy thermal stratification. <i>Agricultural and Forest Meteorology</i> , 1992, 58, 247-256.  | 4.8 | 29        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Wind velocity and algal crusts in dune blowouts. <i>Catena</i> , 1993, 20, 581-594.  | 5.0 | 21        |
| 20 | Vertical and horizontal distribution of wind speed and air temperature in a dense vegetation canopy. <i>Journal of Hydrology</i> , 1995, 166, 313-326.   | 5.4 | 20        |
| 21 | Application of GIS and logistic regression to fossil pollen data in modelling present and past spatial distribution of the Colombian savanna. <i>Climate Dynamics</i> , 2007, 29, 697-712.   | 3.8 | 20        |
| 22 | The effects of changing wind regimes on the development of blowouts in the coastal dunes of The Netherlands. <i>Landscape Ecology</i> , 1991, 6, 41-48.  | 4.2 | 18        |
| 23 | Nighttime exchange processes near the soil surface of a maize canopy. <i>Agricultural and Forest Meteorology</i> , 1996, 82, 155-169.  | 4.8 | 18        |
| 24 | Title is missing!. <i>Plant and Soil</i> , 1998, 202, 1-13.  | 3.7 | 18        |
| 25 | Wind Erosion Reduction by Scattered Woody Vegetation in Farmers' Fields in Northern Burkina Faso. <i>Land Degradation and Development</i> , 2016, 27, 1863-1872.   | 3.9 | 17        |
| 26 | Sampling efficiency of aerosol samplers for large wind-borne particlesâ€”A preliminary report. <i>Journal of Aerosol Science</i> , 1983, 14, 65-68.  | 3.8 | 16        |
| 27 | A rigid fast-response thermometer for atmospheric research. <i>Measurement Science and Technology</i> , 1991, 2, 26-31.  | 2.6 | 14        |
| 28 | Computational parameter estimation for a maize crop. <i>Boundary-Layer Meteorology</i> , 1988, 42, 265-279.  | 2.3 | 13        |
| 29 | Reconstructing past precipitation from lake levels and inverse modelling for Andean Lake La Cocha. <i>Journal of Paleolimnology</i> , 2014, 51, 63-77.   | 1.6 | 9         |
| 30 | Macroclimate, microclimate and dune formation along the West European coast. <i>Landscape Ecology</i> , 1991, 6, 15-27.  | 4.2 | 4         |
| 31 | Aeolian processes across transverse dunes. II: modelling the sediment transport and profile development. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 319-333.   | 2.5 | 3         |
| 32 | COMMENTS ON: WIND PROHLE: ESTIMATION OF DISPLACEMENT HEIGHT AND AERODYNAMIC ROUGHNESS. <i>Transactions of the American Society of Agricultural Engineers</i> , 1991, 34, 0177.   | 0.9 | 2         |
| 33 | Aeolian processes across transverse dunes. I: Modelling the air flow. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 255-270.  | 2.5 | 2         |
| 34 | Comment on â€”A first-order closure scheme to describe counter-gradient momentum transport in plant canopiesâ€” by Z. J. Li, D. R. Miller and J. D. Lin. <i>Boundary-Layer Meteorology</i> , 1990, 51, 313-315.                              | 2.3 | 1         |
| 35 | Reply to the comment by Addo Van Pul and John H. Van Boxel on ?a first order closure scheme to describe counter gradient momentum transport in plant canopies? by Li, Miller and Lin. <i>Boundary-Layer Meteorology</i> , 1990, 51, 317-317. | 2.3 | 1         |
| 36 | The effect of turbulent flow structures on saltation sand transport in the atmospheric boundary layer. <i>Earth Surface Processes and Landforms</i> , 1998, 23, 877-887.   | 2.5 | 1         |