

Ted M Zobeck

List of Publications by Year in descending order

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47
papers

2,764
citations

186265

28
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2490
citing authors

#	ARTICLE	IF	CITATIONS
1	Tillage and rainfall effects on random roughness: A review. Soil and Tillage Research, 1987, 9, 1-20.	5.6	252
2	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
3	Measurement and data analysis methods for field-scale wind erosion studies and model validation. Earth Surface Processes and Landforms, 2003, 28, 1163-1188.	2.5	168
4	THE WOLFFORTH FIELD EXPERIMENT: A WIND EROSION STUDY. Soil Science, 1996, 161, 616-632.	0.9	147
5	Carbon and Nitrogen Pools of Southern High Plains Cropland and Grassland Soils. Soil Science Society of America Journal, 2004, 68, 1695-1704.	2.2	141
6	On the effect of air humidity on soil susceptibility to wind erosion: The case of air-dry soils. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	120
7	On the effect of moisture bonding forces in air-dry soils on threshold friction velocity of wind erosion. Sedimentology, 2006, 53, 597-609.	3.1	119
8	Wind-induced dust generation and transport mechanics on a bare agricultural field. Journal of Hazardous Materials, 2006, 132, 26-38.	12.4	96
9	Validation of WEQ, RWEQ and WEPS wind erosion for different arable land management systems in the Argentinean Pampas. Earth Surface Processes and Landforms, 2008, 33, 1839-1850.	2.5	94
10	Soil Wind Erosion Hazard of Spring Wheat Fallow as Affected by Long-Term Climate and Tillage. Soil Science Society of America Journal, 1999, 63, 1768-1777.	2.2	77
11	Soil property effects on wind erosion of organic soils. Aeolian Research, 2013, 10, 43-51.	2.7	72
12	Enzyme activities in semiarid soils under conservation reserve program, native rangeland, and cropland. Journal of Plant Nutrition and Soil Science, 2003, 166, 699-707.	1.9	71
13	Dust emissions from undisturbed and disturbed, crusted playa surfaces: Cattle trampling effects. Aeolian Research, 2011, 3, 31-41.	2.7	67
14	Microbial Community Composition as Affected by Dryland Cropping Systems and Tillage in a Semiarid Sandy Soil. Diversity, 2010, 2, 910-931.	1.7	66
15	Technologies for laboratory generation of dust from geological materials. Journal of Hazardous Materials, 2006, 132, 1-13.	12.4	64
16	Feedbacks between fires and wind erosion in heterogeneous arid lands. Journal of Geophysical Research, 2007, 112, .	3.3	61
17	Dryland cropping systems influence the microbial biomass and enzyme activities in a semiarid sandy soil. Biology and Fertility of Soils, 2011, 47, 655-667.	4.3	60
18	The Southern Kalahari: a potential new dust source in the Southern Hemisphere?. Environmental Research Letters, 2012, 7, 024001.	5.2	60

#	ARTICLE	IF	CITATIONS
19	The National Wind Erosion Research Network: Building a standardized long-term data resource for aeolian research, modeling and land management. <i>Aeolian Research</i> , 2016, 22, 23-36.	2.7	58
20	Using bi-directional soil spectral reflectance to model soil surface changes induced by rainfall and wind-tunnel abrasion. <i>Remote Sensing of Environment</i> , 2006, 102, 328-343.	11.0	57
21	A two-parameter Weibull function to describe airborne dust particle size distributions. <i>Earth Surface Processes and Landforms</i> , 1999, 24, 943-955.	2.5	56
22	Wind Erosion Induced Soil Degradation in Northern China: Status, Measures and Perspective. <i>Sustainability</i> , 2014, 6, 8951-8966.	3.2	55
23	WIND EROSION IN LOESS SOILS OF THE SEMIARID ARGENTINIAN PAMPAS. <i>Soil Science</i> , 1999, 164, 133-138.	0.9	54
24	Chemical Constituents of Fugitive Dust. <i>Environmental Monitoring and Assessment</i> , 2007, 130, 3-16.	2.7	52
25	Wind erosion quantity and quality of an Entic Haplustoll of the semi-arid pampas of Argentina. <i>Journal of Arid Environments</i> , 2007, 69, 29-39.	2.4	45
26	Threshold wind velocity dynamics as a driver of aeolian sediment mass flux. <i>Aeolian Research</i> , 2016, 20, 45-58.	2.7	39
27	Organic carbon dynamics and soil stability in five semiarid agroecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2013, 181, 231-240.	5.3	37
28	Validating the use of ¹³⁷ Cs measurements to estimate rates of soil redistribution by wind. <i>Catena</i> , 2007, 70, 455-464.	5.0	30
29	The effect of fire-induced soil hydrophobicity on wind erosion in a semiarid grassland: Experimental observations and theoretical framework. <i>Geomorphology</i> , 2009, 105, 80-86.	2.6	30
30	Field evidence for differences in post-fire aeolian transport related to vegetation type in semi-arid grasslands. <i>Aeolian Research</i> , 2012, 7, 3-10.	2.7	29
31	New insights into the wind-dust relationship in sandblasting and direct aerodynamic entrainment from wind tunnel experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1776-1792.	3.3	29
32	Validation of the Wind Erosion Equation (WEQ) for discrete periods ¹ . <i>Environmental Modelling and Software</i> , 2004, 19, 199-203.	4.5	28
33	Comparison of different mass transport calculation methods for wind erosion quantification purposes. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 1548-1555.	2.5	28
34	Pyrosequencing Reveals Bacteria Carried in Different Wind-Eroded Sediments. <i>Journal of Environmental Quality</i> , 2012, 41, 744-753.	2.0	27
35	Using on-nadir spectral reflectance to detect soil surface changes induced by simulated rainfall and wind tunnel abrasion. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 489-511.	2.5	25
36	Field wind tunnel testing of two silt loam soils on the North American Central High Plains. <i>Aeolian Research</i> , 2013, 10, 53-59.	2.7	25

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37	The effect of wind averaging time on wind erosivity estimation. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 797-802.	2.5	20
38	Ground robotic measurement of aeolian processes. <i>Aeolian Research</i> , 2017, 27, 1-11.	2.7	18
39	Aggregate Carbon Pools after 13 Years of Integrated Crop-Livestock Management in Semiarid Soils. <i>Soil Science Society of America Journal</i> , 2013, 77, 1659-1666.	2.2	17
40	Fast-Vac - A Vacuum System to Rapidly Sample Loose Granular Material. <i>Transactions of the American Society of Agricultural Engineers</i> , 1989, 32, 1316-1318.	0.9	14
41	Diffuse-reflectance mid-infrared spectroscopy reveals chemical differences in soil organic matter carried in different size wind eroded sediments. <i>Aeolian Research</i> , 2014, 15, 193-201.	2.7	10
42	Wind Erosion. , 0, , 209-227.		10
43	Optical properties of Aeolian dusts common to West Texas. <i>Aeolian Research</i> , 2011, 3, 235-242.	2.7	3
44	Carbonaceous Materials in Soil-Derived Dusts. <i>SSSA Special Publication Series</i> , 0, , 365-391.	0.2	3
45	Validation of the Wind Erosion Equation (WEQ) for Discrete Periods and of the Wind Erosion Stochastic Simulator (WESS) for Single Events. , 0, , .		0
46	Catching the wind: New views of aeolian processes. <i>Eos</i> , 2003, 84, 110.	0.1	0
47	Airborne Horizontal Mass Flux Calculated With Different Equations. , 2005, , .		0