

# Tamir Kamai

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

464  
citations

759233

12  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

483  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of subsurface drip irrigation design and management parameters for alfalfa. <i>Agricultural Water Management</i> , 2012, 109, 81-93.	5.6	72
2	Scaling soil water retention functions using particle-size distribution. <i>Journal of Hydrology</i> , 2009, 374, 223-234.	5.4	60
3	Semianalytical Solution for Dual-Probe Heat-Pulse Applications that Accounts for Probe Radius and Heat Capacity. <i>Vadose Zone Journal</i> , 2012, 11, vzj2011.0112.	2.2	53
4	Impact of ambient temperature on evaporation from surface-exposed fractures. <i>Water Resources Research</i> , 2009, 45, .	4.2	40
5	Soil water flux density measurements near 1 cm $d^1$ using an improved heat pulse probe design. <i>Water Resources Research</i> , 2008, 44, .	4.2	35
6	Evaporation From Deep Aquifers in Arid Regions: Analytical Model for Combined Liquid and Vapor Water Fluxes. <i>Water Resources Research</i> , 2018, 54, 4805-4822.	4.2	32
7	A Dual-Probe Heat-Pulse Sensor with Rigid Probes for Improved Soil Water Content Measurement. <i>Soil Science Society of America Journal</i> , 2015, 79, 1059-1072.	2.2	31
8	Effect of Probe Deflection on Dual-Probe Heat-Pulse Thermal Conductivity Measurements. <i>Soil Science Society of America Journal</i> , 2010, 74, 1537-1540.	2.2	24
9	Free and forced gas convection in highly permeable, dry porous media. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 469-478.	4.8	20
10	Design and Numerical Analysis of a Button Heat Pulse Probe for Soil Water Content Measurement. <i>Vadose Zone Journal</i> , 2009, 8, 167-173.	2.2	13
11	Colloid filtration prediction by mapping the correlation equation parameters from transport experiments in porous media. <i>Water Resources Research</i> , 2015, 51, 8995-9012.	4.2	13
12	Mitigating the Impact of Irrigation With Effluent Water: Mixing With Freshwater and/or Adjusting Irrigation Management and Design. <i>Water Resources Research</i> , 2020, 56, e2020WR027781.	4.2	13
13	Liquid and Vapor Water in Vadose Zone Profiles Above Deep Aquifers in Hyper-Arid Environments. <i>Water Resources Research</i> , 2019, 55, 3619-3631.	4.2	11
14	A kinetic model of gene transfer via natural transformation of <i>Azotobacter vinelandii</i> . <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 363-374.	2.4	10
15	Swimming Motility Reduces <i>Azotobacter vinelandii</i> Deposition to Silica Surfaces. <i>Journal of Environmental Quality</i> , 2015, 44, 1366-1375.	2.0	6
16	Comment on "Extending Applicability of Correlation Equations to Predict Colloidal Retention in Porous Media at Low Fluid Velocity". <i>Environmental Science &amp; Technology</i> , 2013, 47, 8078-8079.	10.0	5
17	On a recent solute transport laboratory experiment involving sandstone and its modeling. <i>Water Resources Research</i> , 2013, 49, 7327-7338.	4.2	4
18	A Macroscopic Analytical Model for Pressure Wave Propagation in the Water of a Variably Saturated Porous Medium. <i>Vadose Zone Journal</i> , 2019, 18, 190067.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Modeling Transient Evaporation From Porous Media as a Succession of Steady-State Steps. Water Resources Research, 2021, 57, e2021WR030245.	4.2	4
20	Enhancing solute transport by pressure-wave driven flow in unsaturated porous media. Journal of Hydrology, 2022, 612, 128196.	5.4	4
21	Integral form of the cylindrical perfect conductors solution for the dual-probe heat-pulse method. Soil Science Society of America Journal, 2021, 85, 1963.	2.2	2
22	Unique Relationship Between Rate and Cumulative Flow: A Property of Infiltration and Evaporation in Soils. Geophysical Research Letters, 2022, 49, .	4.0	2