

# Josef Tanny

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3661536/publications.pdf>

Version: 2024-02-01

72  
papers

1,832  
citations

236925

25  
h-index

289244

40  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaporation from a small water reservoir: Direct measurements and estimates. <i>Journal of Hydrology</i> , 2008, 351, 218-229.	5.4	130
2	Influence of climate change on protected cultivation: Impacts and sustainable adaptation strategies - A review. <i>Journal of Cleaner Production</i> , 2019, 225, 481-495.	9.3	90
3	Evaporation from three water bodies of different sizes and climates: Measurements and scaling analysis. <i>Advances in Water Resources</i> , 2008, 31, 160-172.	3.8	89
4	Measuring and predicting evapotranspiration in an insect-proof screenhouse. <i>Agricultural and Forest Meteorology</i> , 2004, 127, 35-51.	4.8	83
5	Microclimate and evapotranspiration of crops covered by agricultural screens: A review. <i>Biosystems Engineering</i> , 2013, 114, 26-43.	4.3	75
6	Estimating cotton water consumption using a time series of Sentinel-2 imagery. <i>Agricultural Water Management</i> , 2018, 207, 44-52.	5.6	64
7	Screenhouse Microclimate and Ventilation: an Experimental Study. <i>Biosystems Engineering</i> , 2003, 84, 331-341.	4.3	61
8	Airflow characteristics, energy balance and eddy covariance measurements in a banana screenhouse. <i>Agricultural and Forest Meteorology</i> , 2006, 139, 105-118.	4.8	57
9	Effects of shading and insect-proof screens on crop microclimate and production: A review of recent advances. <i>Scientia Horticulturae</i> , 2018, 241, 241-251.	3.6	55
10	Natural ventilation of greenhouses: experiments and model. <i>Agricultural and Forest Meteorology</i> , 1999, 96, 59-70.	4.8	52
11	Wind driven ventilation of a mono-span greenhouse with a rose crop and continuous screened side vents and its effect on flow patterns and microclimate. <i>Biosystems Engineering</i> , 2008, 101, 111-122.	4.3	51
12	Effect of Water Surface Salinity on Evaporation: The Case of a Diluted Buoyant Plume Over the Dead Sea. <i>Water Resources Research</i> , 2018, 54, 1460-1475.	4.2	46
13	Airflow and heat flux through the vertical opening of buoyancy-induced naturally ventilated enclosures. <i>Energy and Buildings</i> , 2008, 40, 637-646.	6.7	44
14	Urban outdoor thermal perception in hot arid Beer Sheva, Israel: Methodological and gender aspects. <i>Building and Environment</i> , 2019, 160, 106169.	6.9	43
15	Sap flow, canopy conductance and microclimate in a banana screenhouse. <i>Agricultural and Forest Meteorology</i> , 2015, 201, 165-175.	4.8	42
16	The Effect of a Small Shade Net on the Properties of Wind and Selected Boundary Layer Parameters above and within a Citrus Orchard. <i>Biosystems Engineering</i> , 2003, 84, 57-67.	4.3	41
17	Comparison of measured and simulated flow through screens: Effects of screen inclination and porosity. <i>Biosystems Engineering</i> , 2009, 104, 404-416.	4.3	37
18	On the variability of the Priestley&Taylor coefficient over water bodies. <i>Water Resources Research</i> , 2016, 52, 150-163.	4.2	37

#	ARTICLE	IF	CITATIONS
19	The Effect of the Screen on the Mass, Momentum, and Energy Exchange Rates of a Uniform Crop Situated in an Extensive Screenhouse. <i>Boundary-Layer Meteorology</i> , 2012, 142, 339-363.	2.3	35
20	Evaporation from a reservoir with fluctuating water level: Correcting for limited fetch. <i>Journal of Hydrology</i> , 2011, 404, 146-156.	5.4	34
21	Transmission of short-wave radiation by agricultural screens. <i>Biosystems Engineering</i> , 2010, 107, 317-327.	4.3	33
22	Seasonal and diurnal evaporation from a deep hypersaline lake: The Dead Sea as a case study. <i>Journal of Hydrology</i> , 2018, 562, 155-167.	5.4	33
23	Protected Crops. , 2014, , 327-405.		28
24	Vertical variation in turbulence statistics and energy balance in a banana screenhouse. <i>Biosystems Engineering</i> , 2010, 106, 175-187.	4.3	26
25	Penman-Monteith approaches for estimating crop evapotranspiration in screenhouses—a case study with table-grape. <i>International Journal of Biometeorology</i> , 2014, 58, 725-737.	3.0	26
26	Protected crops — recent advances, innovative technologies and future challenges. <i>Acta Horticulturae</i> , 2015, , 271-278.	0.2	26
27	THE EFFECT OF SHADING SCREENS ON MICROCLIMATE OF APPLE ORCHARDS. <i>Acta Horticulturae</i> , 2009, , 103-108.	0.2	24
28	Surface Renewal Application for Estimating Evapotranspiration: A Review. <i>Advances in Meteorology</i> , 2018, 2018, 1-11.	1.6	24
29	Validation of the cotton crop coefficient estimation model based on Sentinel-2 imagery and eddy covariance measurements. <i>Agricultural Water Management</i> , 2019, 223, 105715.	5.6	24
30	Diurnal Course of Evaporation From the Dead Sea in Summer: A Distinct Double Peak Induced by Solar Radiation and Night Sea Breeze. <i>Water Resources Research</i> , 2018, 54, 150-160.	4.2	23
31	Mean radiant temperature in urban canyons from solar calculations, climate and surface properties — Theory, validation and $\frac{1}{2}$ Mr.TÉ¼ software. <i>Building and Environment</i> , 2020, 178, 106927.	6.9	23
32	MICROMETEOROLOGICAL CHARACTERISATION IN A SCREENHOUSE. <i>Acta Horticulturae</i> , 2003, , 445-451.	0.2	22
33	Estimating evapotranspiration from processing tomato using the surface renewal technique. <i>Biosystems Engineering</i> , 2013, 114, 406-413.	4.3	22
34	Normalizing the Local Incidence Angle in Sentinel-1 Imagery to Improve Leaf Area Index, Vegetation Height, and Crop Coefficient Estimations. <i>Land</i> , 2021, 10, 680.	2.9	22
35	Transpiration estimation of banana ( <i>Musa sp.</i> ) plants with the thermal dissipation method. <i>Plant and Soil</i> , 2008, 308, 227-238.	3.7	19
36	Surface renewal and eddy covariance measurements of sensible and latent heat fluxes of cotton during two growing seasons. <i>Biosystems Engineering</i> , 2015, 136, 149-161.	4.3	19

#	ARTICLE	IF	CITATIONS
37	Interaction between the mixing and displacement modes in a naturally ventilated enclosure. <i>Building and Environment</i> , 2006, 41, 1755-1761.	6.9	17
38	Reducing salinity of treated waste water with large scale desalination. <i>Water Research</i> , 2020, 186, 116322.	11.3	17
39	Effect of plant development on turbulent fluxes of a screenhouse banana plantation. <i>Irrigation Science</i> , 2013, 31, 701-713.	2.8	16
40	Examination of the Bowen ratio energy balance technique for evapotranspiration estimates in screenhouses. <i>Biosystems Engineering</i> , 2013, 114, 397-405.	4.3	15
41	Estimating Processing Tomato Water Consumption, Leaf Area Index, and Height Using Sentinel-2 and VENÅµS Imagery. <i>Remote Sensing</i> , 2021, 13, 1046.	4.0	15
42	THE EFFECT OF HEIGHT ON SCREENHOUSE MICROCLIMATE. <i>Acta Horticulturae</i> , 2008, , 107-114.	0.2	14
43	Application of the surface renewal technique in two types of screenhouses: Sensible heat flux estimates and turbulence characteristics. <i>Agricultural and Forest Meteorology</i> , 2015, 203, 229-242.	4.8	14
44	Light distribution in multispan gutter-connected greenhouses: Effects of gutters and roof openings. <i>Biosystems Engineering</i> , 2012, 113, 120-128.	4.3	13
45	The effect of screen type on crop micro-climate, reference evapotranspiration and yield of a screenhouse banana plantation. <i>Scientia Horticulturae</i> , 2014, 180, 32-39.	3.6	13
46	Airflow characteristics and patterns in screenhouses covered with fine-mesh screens with either roof or roof and side ventilation. <i>Biosystems Engineering</i> , 2015, 131, 1-14.	4.3	13
47	Effects of variable fetch and footprint on surface renewal measurements of sensible and latent heat fluxes in cotton. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 63-73.	4.8	13
48	Heat Fluxes and Airflow Patterns Through Roof Windows in a Naturally Ventilated Enclosure. <i>Flow, Turbulence and Combustion</i> , 2005, 74, 21-47.	2.6	12
49	Aerodynamic properties of boundary layers along screens. <i>Biosystems Engineering</i> , 2009, 102, 171-179.	4.3	12
50	Energy balance and partitioning and vertical profiles of turbulence characteristics during initial growth of a banana plantation in a screenhouse. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 53-60.	4.8	12
51	Microclimate Characteristics and Evapotranspiration Estimates of Cucumber Plants in a Newly Developed Sunken Solar Greenhouse. <i>Water (Switzerland)</i> , 2020, 12, 2275.	2.7	12
52	SCREEN CONSTRUCTIONS: MICROCLIMATE AND WATER USE IN ISRAEL. <i>Acta Horticulturae</i> , 2012, , 515-528.	0.2	7
53	Effect of roof height on microclimate and plant characteristics in an insect-proof screenhouse with impermeable sidewalls. <i>Biosystems Engineering</i> , 2017, 162, 11-19.	4.3	7
54	Airflow patterns and turbulence characteristics above the canopy of a tomato crop in a roof-ventilated insect-proof screenhouse. <i>Biosystems Engineering</i> , 2020, 190, 184-200.	4.3	6

#	ARTICLE	IF	CITATIONS
55	Estimating Evapotranspiration of Screenhouse Banana Plantations Using Artificial Neural Network and Multiple Linear Regression Models. <i>Water (Switzerland)</i> , 2022, 14, 1130.	2.7	6
56	AIRFLOW AND TURBULENCE IN A BANANA SCREENHOUSE. <i>Acta Horticulturae</i> , 2006, , 623-630.	0.2	5
57	Measuring and modelling crop water use of sweet pepper crops grown in screenhouses and greenhouses in an arid region. <i>Biosystems Engineering</i> , 2020, 200, 246-258.	4.3	5
58	Introducing State-of-the-Art Deep Learning Technique for Gap-Filling of Eddy Covariance Crop Evapotranspiration Data. <i>Water (Switzerland)</i> , 2022, 14, 763.	2.7	4
59	Revisiting the boundary layer structure used in Craig and Gordon's model of isotope fractionation in evaporation. <i>Isotopes in Environmental and Health Studies</i> , 2008, 44, 11-21.	1.0	3
60	PERFORMANCE OF PENMAN-MONTEITH MODELS IN PREDICTING EVAPO-TRANSPIRATION IN A LARGE BANANA SCREENHOUSE. <i>Acta Horticulturae</i> , 2014, , 353-360.	0.2	3
61	THE EFFECT OF SCREENHOUSE HEIGHT ON AIR TEMPERATURE. <i>Acta Horticulturae</i> , 2014, , 517-523.	0.2	3
62	Application of the Flux-Variance Technique for Evapotranspiration Estimates in Three Types of Agricultural Structures. <i>International Journal of Agronomy</i> , 2018, 2018, 1-13.	1.2	3
63	Fetch Effect on Flux-Variance Estimations of Sensible and Latent Heat Fluxes of <i>Camellia Sinensis</i> . <i>Atmosphere</i> , 2019, 10, 299.	2.3	3
64	VERTICAL VARIATIONS IN AIRFLOW AND TURBULENCE IN A LARGE BANANA SCREENHOUSE. <i>Acta Horticulturae</i> , 2008, , 81-86.	0.2	2
65	Footprint Estimation for Multi-Layered Sources and Sinks Inside Canopies in Open and Protected Environments. <i>Boundary-Layer Meteorology</i> , 2015, 155, 229-248.	2.3	2
66	EXAMINATION OF THE SURFACE RENEWAL TECHNIQUE FOR SENSIBLE HEAT FLUX ESTIMATES IN SCREENHOUSES. <i>Acta Horticulturae</i> , 2012, , 923-929.	0.2	2
67	The effect of variable fetch on flux-variance estimates of sensible and latent heat fluxes in a pepper screenhouse. <i>Acta Horticulturae</i> , 2018, , 109-116.	0.2	1
68	Advances in screenhouse design and practice for protected cultivation. <i>Burleigh Dodds Series in Agricultural Science</i> , 2019, , 53-74.	0.2	1
69	The effect of structure type on the validity of turbulent flux measurements by the eddy covariance technique. <i>Acta Horticulturae</i> , 2017, , 345-352.	0.2	0
70	Effect of wind speed and direction on forces acting on shade nets covering orchard trees. <i>Acta Horticulturae</i> , 2018, , 165-172.	0.2	0
71	Lorentzian Filter Correction of Turbulence Measurements on Oscillating Floating Platforms: Impact on Wind Spectra and Eddyâ€Covariance Fluxes. <i>Water Resources Research</i> , 2021, 57, e2020WR027583.	4.2	0
72	Cultivation Under Screens, Aerodynamics of Boundary Layers. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 185-187.	0.1	0