Uri Shavit

List of Publications by Year
in descending order

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42 papers	1,459 citations	361296 20 h-index	315616 38 g-index
43 all docs	43 docs citations	43 times ranked	1980 citing authors

#	Article	IF	Citations
1	The Role of Mixed Convection and Hydrodynamic Dispersion During CO₂ Dissolution in Saline Aquifers: A Numerical Study. Water Resources Research, 2022, 58, .	1.7	16
2	The Small-Scale Flow Field Around Dipsastraea favus Corals. Frontiers in Marine Science, 2022, 9, .	1.2	1
3	Evasive plankton: Sizeâ€independent particle capture by ascidians. Limnology and Oceanography, 2021, 66, 1009-1020.	1.6	6
4	Error Estimates of Double-Averaged Flow Statistics due to Sub-Sampling in an Irregular Canopy Model. Boundary-Layer Meteorology, 2021, 179, 403-422.	1.2	3
5	The Role of Water Flow and Dispersive Fluxes in the Dissolution of CO₂ in Deep Saline Aquifers. Water Resources Research, 2020, 56, e2020WR028184.	1.7	13
6	Coral tentacle elasticity promotes anout-of-phasemotion that improves mass transfer. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200180.	1.2	11
7	The Effect of Water Depth and Internal Geometry on the Turbulent Flow Inside a Coral Reef. Journal of Geophysical Research: Oceans, 2019, 124, 3508-3522.	1.0	11
8	The Levantine jellyfish Rhopilema nomadica and Rhizostoma pulmo swim faster against the flow than with the flow. Scientific Reports, 2019, 9, 20337.	1.6	5
9	Oil spill effects on soil hydrophobicity and related properties in a hyper-arid region. Geoderma, 2018, 312, 114-120.	2.3	48
10	The effect of gravitational settling on concentration profiles and dispersion within and above fractured media. International Journal of Multiphase Flow, 2018, 106, 220-227.	1.6	3
11	The nematocyst's sting is driven by the tubule moving front. Journal of the Royal Society Interface, 2017, 14, 20160917.	1.5	14
12	Vertical variations of coral reef drag forces. Journal of Geophysical Research: Oceans, 2016, 121, 3549-3563.	1.0	14
13	Myxozoan polar tubules display structural and functional variation. Parasites and Vectors, 2016, 9, 549.	1.0	29
14	Canopy edge flow: A momentum balance analysis. Water Resources Research, 2015, 51, 2081-2095.	1.7	16
15	Impact of ambient conditions on evaporation from porous media. Water Resources Research, 2014, 50, 6696-6712.	1.7	41
16	Modeling biofilm dynamics and hydraulic properties in variably saturated soils using a channel network model. Water Resources Research, 2014, 50, 5678-5697.	1.7	31
17	A phenomenological closure model of the normal dispersive stresses. Water Resources Research, 2013, 49, 8222-8233.	1.7	14
18	Benefit of pulsation in soft corals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8978-8983.	3.3	70

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19	A Channel Network Model as a Framework for Characterizing Variably Saturated Flow in Biofilmâ€Affected Soils. Vadose Zone Journal, 2013, 12, 1-15.	1.3	20
20	Water Retention Curves of Biofilmâ€Affected Soils using Xanthan as an Analogue. Soil Science Society of America Journal, 2012, 76, 61-69.	1.2	58
21	Dispersive Stresses at the Canopy Upstream Edge. Boundary-Layer Meteorology, 2011, 139, 333-351.	1.2	31
22	The Sponge Pump: The Role of Current Induced Flow in the Design of the Sponge Body Plan. PLoS ONE, 2011, 6, e27787.	1.1	130
23	Flow enhances photosynthesis in marine benthic autotrophs by increasing the efflux of oxygen from the organism to the water. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2527-2531.	3.3	180
24	A solution of the laminar flow for a gradual transition between porous and fluid domains. Water Resources Research, 2010, 46, .	1.7	5
25	The Influence of Biofilm Spatial Distribution Scenarios on Hydraulic Conductivity of Unsaturated Soils. Vadose Zone Journal, 2009, 8, 1080-1084.	1.3	16
26	An Apparent Interface Location as a Tool to Solve the Porous Interface Flow Problem. Transport in Porous Media, 2009, 78, 509-524.	1.2	13
27	Special Issue on â€œTransport Phenomena at the Interface Between Fluid and Porous Domainsâ€• Transport in Porous Media, 2009, 78, 327-330.	1.2	18
28	Modeling flow in coral communities with and without waves: A synthesis of porous media and canopy flow approaches. Limnology and Oceanography, 2008, 53, 2668-2680.	1.6	83
29	The geochemistry of groundwater resources in the Jordan Valley: The impact of the Rift Valley brines. Applied Geochemistry, 2007, 22, 494-514.	1.4	33
30	The laminar flow field at the interface of a Sierpinski carpet configuration. Water Resources Research, 2007, 43, .	1.7	19
31	Intensity Capping: a simple method to improve cross-correlation PIV results. Experiments in Fluids, 2007, 42, 225-240.	1.1	69
32	Quantifying Ground Water Inputs along the Lower Jordan River. Journal of Environmental Quality, 2005, 34, 897-906.	1.0	24
33	Model Demonstrating the Potential for Coupled Nitrification Denitrification in Soil Aggregates. Environmental Science & Technology, 2005, 39, 4180-4188.	4.6	79
34	Management scenarios for the Jordan River salinity crisis. Applied Geochemistry, 2005, 20, 2138-2153.	1.4	17
35	Sources and Transformations of Nitrogen Compounds along the Lower Jordan River. Journal of Environmental Quality, 2004, 33, 1440-1451.	1.0	21
36	The origin and mechanisms of salinization of the lower Jordan river. Geochimica Et Cosmochimica Acta, 2004, 68, 1989-2006.	1.6	89

#	ARTICLE	IF	CITATIONS
37	A numerical study on the influence of fractured regions on lake/groundwater interaction; the Lake Kinneret (Sea of Galilee) case. Journal of Hydrology, 2003, 283, 225-243.	2.3	28
38	The location of deep salinity sources in the Israeli Coastal aquifer. Journal of Hydrology, 2001, 250, 63-77.	2.3	18
39	Preliminary investigations of ultrasound induced acoustic streaming using particle image velocimetry. Ultrasonics, 2001, 39, 153-156.	2.1	79
40	Release characteristics of a new controlled release fertilizer. Journal of Controlled Release, 1997, 43, 131-138.	4.8	59
41	Solute diffusion coefficient in the internal medium of a new gel based controlled release fertilizer. Journal of Controlled Release, 1995, 37, 21-32.	4.8	24
42	Theoretical and Numerical Study of Flow at the Interface of Porous Media. Geophysical Monograph Series, 0, , 65-80.	0.1	0