

Antonis D Koussis

List of Publications by Year in descending order

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63
papers

1,347
citations

304743

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361022

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66
all docs

66
docs citations

66
times ranked

1482
citing authors

#	ARTICLE	IF	CITATIONS
1	Discharge estimation from surface-velocity observations by a maximum-entropy based method. Hydrological Sciences Journal, 2022, 67, 451-461.	2.6	2
2	Beyond pseudo-coupling: Computing seawater intrusion in coastal aquifers with decoupled flow and transport equations. Journal of Hydrology, 2021, 593, 125794.	5.4	4
3	A Multilayer Perceptron Model for Stochastic Synthesis. Hydrology, 2021, 8, 67.	3.0	21
4	Probabilistic Evaluation and Filtering of Image Velocimetry Measurements. Water (Switzerland), 2021, 13, 2206.	2.7	3
5	Efficient Stochastic Simulation of Seawater Intrusion, With Mixing, in Confined Coastal Aquifers. Frontiers in Water, 2021, 3, .	2.3	3
6	Algebraic estimation of the specific storage from slug tests in confined aquifers in the overdamped case. Hydrogeology Journal, 2021, 29, 2545-2553.	2.1	2
7	OpenHi.net: A Synergistically Built, National-Scale Infrastructure for Monitoring the Surface Waters of Greece. Water (Switzerland), 2021, 13, 2779.	2.7	9
8	On the Uncertainty of the Image Velocimetry Method Parameters. Hydrology, 2020, 7, 65.	3.0	21
9	Corrected interface flow model for seawater intrusion in confined aquifers: relations to the dimensionless parameters of variable-density flow. Hydrogeology Journal, 2018, 26, 2547-2559.	2.1	9
10	The Curve Number Concept as a Driver for Delineating Hydrological Response Units. Water (Switzerland), 2018, 10, 194.	2.7	11
11	Wetlands as large-scale nature-based solutions: Status and challenges for research, engineering and management. Ecological Engineering, 2017, 108, 489-497.	3.6	217
12	Quantifying a Sustainable Management Space for Human Use of Coastal Groundwater under Multiple Change Pressures. Water Resources Management, 2016, 30, 4063-4080.	3.9	9
13	Reverse flood and pollution routing with the lag-and-route model. Hydrological Sciences Journal, 2016, , 1-15.	2.6	3
14	Quasi-steady flow in sloping aquifers. Water Resources Research, 2015, 51, 9165-9181.	4.2	4
15	An automated inverse method for slug tests "over-damped case" in confined aquifers. Hydrological Sciences Journal, 2015, 60, 285-293.	2.6	4
16	A correction for Dupuit-Forchheimer interface flow models of seawater intrusion in unconfined coastal aquifers. Journal of Hydrology, 2015, 525, 277-285.	5.4	35
17	Intensively exploited Mediterranean aquifers: resilience to seawater intrusion and proximity to critical thresholds. Hydrology and Earth System Sciences, 2014, 18, 1663-1677.	4.9	40
18	Flood design recipes vs. reality: can predictions for ungauged basins be trusted?. Natural Hazards and Earth System Sciences, 2014, 14, 1417-1428.	3.6	52

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19	Tipping points for seawater intrusion in coastal aquifers under rising sea level. Environmental Research Letters, 2013, 8, 014001.	5.2	39
20	Hydrometeorological network for flood monitoring and modeling. , 2013, , .		3
21	Steady state groundwater seepage in sloping unconfined aquifers RP Chapuis, Bull Eng Geol Environ 70:89-99. doi:10.1007/s10064-010-0282-2. Bulletin of Engineering Geology and the Environment, 2012, 71, 599-602.	3.5	0
22	Slug Test in Confined Aquifers, the Overdamped Case: Quasi-Steady Flow Analysis. Ground Water, 2012, 50, 608-613.	1.3	7
23	Analytical single-potential, sharp-interface solutions for regional seawater intrusion in sloping unconfined coastal aquifers, with pumping and recharge. Journal of Hydrology, 2012, 416-417, 1-11.	5.4	47
24	Comment on "A praxis-oriented perspective of streamflow inference from stage observations" the method of Dottori et al. (2009) and the alternative of the Jones Formula, with the kinematic wave celerity computed on the looped rating curve" by Koussis (2009). Hydrology and Earth System Sciences, 2010, 14, 1093-1097.	4.9	8
25	Reply to the Discussion of "Assessment and review of the hydraulics of storage flood routing 70 years after the presentation of the Muskingum method" by M. Perumal. Hydrological Sciences Journal, 2010, 55, 1431-1441.	2.6	8
26	Groundwater and climate in Africa" a review. Hydrological Sciences Journal, 2009, 54, 655-664.	2.6	94
27	Assessment and review of the hydraulics of storage flood routing 70 years after the presentation of the Muskingum method. Hydrological Sciences Journal, 2009, 54, 43-61.	2.6	32
28	Response of sloping unconfined aquifer to stage changes in adjacent stream. I. Theoretical analysis and derivation of system response functions. Journal of Hydrology, 2007, 338, 85-95.	5.4	27
29	Response of sloping unconfined aquifer to stage changes in adjacent stream. Journal of Hydrology, 2007, 338, 73-84.	5.4	12
30	Analytical solution of transient flow in a sloping soil layer with recharge. Hydrological Sciences Journal, 2006, 51, 626-641.	2.6	15
31	Rainfall parameterization in an off-line chemical transport model. Atmospheric Science Letters, 2004, 5, 82-88.	1.9	4
32	A groundwater-based, objective-heuristic parameter optimisation method for a precipitation-runoff model and its application to a semi-arid basin. Journal of Hydrology, 2004, 290, 243-258.	5.4	29
33	Modelling biodegradation of hydrocarbons in aquifers: when is the use of the instantaneous reaction approximation justified?. Journal of Contaminant Hydrology, 2003, 60, 287-305.	3.3	19
34	Flood Forecasts for Urban Basin with Integrated Hydro-Meteorological Model. Journal of Hydrologic Engineering - ASCE, 2003, 8, 1-11.	1.9	69
35	A methodology to investigate brackish groundwater desalination coupled with aquifer recharge by treated wastewater as an alternative strategy for water supply in Mediterranean areas. Desalination, 2001, 136, 307-315.	8.2	25
36	Hydraulic Estimation of Dispersion Coefficient for Streams. Journal of Hydraulic Engineering, 1998, 124, 317-320.	1.5	74

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37	Groundwater drainage flow in a soil layer resting on an inclined leaky bed. <i>Water Resources Research</i> , 1998, 34, 2879-2887.	4.2	24
38	Ground-Water Solute Transport with Hydrogeochemical Reactions. <i>Ground Water</i> , 1997, 35, 243-249.	1.3	8
39	Analytical solutions to non-Fickian subsurface dispersion in uniform groundwater flow. <i>Journal of Hydrology</i> , 1996, 179, 237-258.	5.4	28
40	Stream-Aquifer Interaction Model with Diffusive Wave Routing. <i>Journal of Hydraulic Engineering</i> , 1996, 122, 210-218.	1.5	40
41	Two-dimensional groundwater transport of reactive solutes with competitive adsorption. <i>Water Resources Research</i> , 1993, 29, 2241-2248.	4.2	6
42	Closure to " Modeling DO Conditions in Streams with Dispersion " by Antonis D. Koussis, Prashant Kokitkar, and Adosh Mehta (May/June, 1990, Vol. 116, No. 3). <i>Journal of Environmental Engineering, ASCE</i> , 1992, 118, 159-160.	1.4	0
43	A linear conceptual subsurface storm flow model. <i>Water Resources Research</i> , 1992, 28, 1047-1052.	4.2	22
44	Two-dimensional modeling of advection-dominated solute transport in groundwater by the matched artificial dispersivity method. <i>Water Resources Research</i> , 1991, 27, 865-872.	4.2	23
45	Comparison of two splitting algorithms for 2-D modelling of advection-dominated solute transport in groundwater. <i>Advances in Water Resources</i> , 1991, 14, 183-191.	3.8	3
46	Modeling DO Conditions in Streams with Dispersion. <i>Journal of Environmental Engineering, ASCE</i> , 1990, 116, 601-614.	1.4	17
47	A channel dynamics model for real-time flood forecasting. <i>Water Resources Research</i> , 1989, 25, 691-705.	4.2	9
48	Storm Drain Design: Diffusive Flood Routing for PCs. <i>Journal of Hydraulic Engineering</i> , 1989, 115, 1135-1150.	1.5	12
49	CAD comparisons for wastewater treatment facilities. <i>Environmental Technology Letters</i> , 1987, 8, 405-418.	0.4	4
50	LOTUS Spreadsheet Design for Storm Drain Networks. <i>Journal of Computing in Civil Engineering</i> , 1987, 1, 197-213.	4.7	5
51	A note on nonlinear storage routing. <i>Water Resources Research</i> , 1986, 22, 2111-2113.	4.2	9
52	Closure to " Unified Theory for Flood and Pollution Routing " by Antonis D. Koussis (December, 1983). <i>Journal of Hydraulic Engineering</i> , 1986, 112, 983-985.	1.5	1
53	On the mathematics of storage routing " Reply. <i>Journal of Hydrology</i> , 1984, 73, 395-397.	5.4	2
54	On the mathematics of storage routing " Reply. <i>Journal of Hydrology</i> , 1984, 69, 365-366.	5.4	2

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55	Pollution Routing in Streams. Journal of Hydraulic Engineering, 1983, 109, 1636-1651.	1.5	23
56	On the mathematics of storage routing. Journal of Hydrology, 1983, 61, 357-370.	5.4	23
57	Unified Theory for Flood and Pollution Routing. Journal of Hydraulic Engineering, 1983, 109, 1652-1664.	1.5	32
58	Discussion of "Accuracy Criteria in Diffusion Routing" by Victor Miguel Ponce and Fred D. Theurer (June, 1982). Journal of Hydraulic Engineering, 1983, 109, 803-806.	1.5	7
59	Linear theory of subsurface storm flow. Water Resources Research, 1982, 18, 1738-1740.	4.2	13
60	NONLINEAR SORPTION OF WATER IN SOIL. Soil Science, 1981, 132, 262-266.	0.9	1
61	Transient Analysis for Shallow Cooling Ponds. Journal of the Energy Division - ASCE, 1980, 106, 141-153.	0.0	5
62	Comparison of Muskingum Method Difference Schemes. Journal of Hydraulic Engineering, 1980, 106, 925-929.	0.2	28
63	Theoretical Estimation of Flood Routing Parameters. Journal of Hydraulic Engineering, 1978, 104, 109-115.	0.2	36