A R Kacimov

List of Publications by Year
in descending order

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161	2,030	304743	395702
papers	citations	22 h-index	33 g-index

164	164	164	1078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geoelectrical and hydrogeochemical studies for delineating seawater intrusion in the outlet of Wadi Ham, UAE. Environmental Geology, 2006, 49, 536-551.	1.2	95
2	Non-iterative estimation of heat transfer coefficients using artificial neural network models. International Journal of Heat and Mass Transfer, 2005, 48, 665-679.	4.8	86
3	Modeling Groundwater Flow and Seawater Intrusion in the Coastal Aquifer of Wadi Ham, UAE. Water Resources Management, 2012, 26, 751-774.	3.9	85
4	Mass fractal dimension of soil macropores using computed tomography: from the box-counting to the cube-counting algorithm. European Journal of Soil Science, 2003, 54, 569-579.	3.9	79
5	Control of sea-water intrusion by salt-water pumping: Coast of Oman. Hydrogeology Journal, 2009, 17, 541-558.	2.1	71
6	Assessment of groundwater quality in the northeastern coastal area of UAE as precursor for desalination. Desalination, 2011, 273, 436-446.	8.2	45
7	Seepage Optimization for Trapezoidal Channel. Journal of Irrigation and Drainage Engineering - ASCE, 1992, 118, 520-526.	1.0	36
8	Analytical solutions of seepage theory problems. Inverse method, variational theorems, optimization and estimates (a review). Fluid Dynamics, 1998, 33, 157-168.	0.9	35
9	Explicit calculation of the friction factor in pipeline flow of Bingham plastic fluids: a neural network approach. Chemical Engineering Science, 2003, 58, 99-106.	3.8	31
10	Analytical solution for a sharp interface problem in sea water intrusion into a coastal aquifer. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 3023-3038.	2.1	28
11	Problems of seepage to empty ditch and drain. Water Resources Research, 1992, 28, 871-877.	4.2	27
12	The Estimation of Integral Seepage Characteristics of Hydraulic Structures in Terms of the Theory of Inverse Boundary-Value Problems. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1992, 72, 103-112.	1.6	26
13	Analytically computed rates of seepage flow into drains and cavities. International Journal for Numerical and Analytical Methods in Geomechanics, 1998, 22, 277-301.	3.3	25
14	Steady water flow around parabolic cavities and through parabolic inclusions in unsaturated and saturated soils. Journal of Hydrology, 2000, 238, 65-77.	5.4	25
15	Green-Ampt One-Dimensional Infiltration from a Ponded Surface into a Heterogeneous Soil. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 68-72.	1.0	25
16	Morphed block-crack preferential sedimentation in a reservoir bed: a smart design and evolution in nature. Hydrological Sciences Journal, 2013, 58, 1779-1788.	2.6	24
17	Impact of a Recharge Dam on the Hydropedology of Arid Zone Soils in Oman: Anthropogenic Formation Factor. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	24
18	Analytical solution and shape optimization for groundwater flow through a leaky porous trough subjacent to an aquifer. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 1409-1423.	2.1	23

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19	Water table response to a tidal agitation in a coastal aquifer: The Meyerâ€“Polubarinova-Kochina theory revisited. Journal of Hydrology, 2010, 392, 96-104.	5.4	23
20	Constructal design of permeable reactive barriers: groundwater-hydraulics criteria. Journal of Engineering Mathematics, 2011, 71, 319-338.	1.2	23
21	Home gardening in Muscat, Oman: Gardenersâ€™ practices, perceptions and motivations. Urban Forestry and Urban Greening, 2019, 38, 286-294.	5.3	23
22	Steady, two-dimensional flow of ground water to a trench. Journal of Hydrology, 1991, 127, 71-83.	5.4	22
23	Analytical Determination of Seeping Soil Slopes of a Constant Exit Gradient. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2002, 82, 363.	1.6	22
24	Phreatic surface flow from a near-reservoir saturated tongue. Journal of Hydrology, 2004, 296, 271-281.	5.4	22
25	Infiltration into Two-Layered Soil: The Greenâ€“Ampt and Averyanov Models Revisited. Transport in Porous Media, 2015, 109, 169-193.	2.6	22
26	Conjunctive use of groundwater and surface water resources with aquifer recharge by treated wastewater: evaluation of management scenarios in the Zarqa River Basin, Jordan. Environmental Earth Sciences, 2016, 75, 1.	2.7	22
27	Sharp interface, one-dimensional seawater intrusion into a confined aquifer with controlled pumping: Analytical solution. Water Resources Research, 2006, 42, .	4.2	21
28	Optimal shape of a variable condenser. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 485-494.	2.1	20
29	Steady-State Water-Table Depressions Caused by Evaporation in Lands Overlying a Water-Bearing Substratum. Journal of Hydrologic Engineering - ASCE, 2005, 10, 295-301.	1.9	20
30	Soil substrate as a cascade of capillary barriers for conserving water in a desert environment: lessons learned from arid nature. Journal of Arid Land, 2014, 6, 690-703.	2.3	20
31	Analytical Estimation of Ground-Water Flow Around Cutoff Walls and Into Interceptor Trenches. Ground Water, 1992, 30, 901-907.	1.3	18
32	Three-dimensional groundwater flow to a lake: an explicit analytical solution. Journal of Hydrology, 2000, 240, 80-89.	5.4	18
33	Analytical solutions for seepage near material boundaries in dam cores: The Davisonâ€“Kalinin problems revisited. Applied Mathematical Modelling, 2012, 36, 1286-1301.	4.2	18
34	Optimal shape of an anthill dome: Bejan's constructal law revisited. Ecological Modelling, 2013, 250, 384-390.	2.5	18
35	Groundwater flow in a medium with a parquet-type conductivity distribution. Journal of Hydrology, 1999, 226, 242-249.	5.4	17
36	Research-based learning for undergraduate students in soil and water sciences: a case study of hydropedology in an arid-zone environment. Journal of Geography in Higher Education, 2016, 40, 321-339.	2.6	17

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37	Analytic Solution to a Problem of Seepage in a Chequer-Board Porous Massif. Transport in Porous Media, 1997, 28, 109-124.	2.6	16
38	Explicit, rigorous solutions to two-dimensional heat transfer: two-component media and optimization of cooling fins. International Journal of Heat and Mass Transfer, 1997, 40, 1191-1196.	4.8	16
39	Analytical Solution to a Sea-water Intrusion Problem with a Fresh Water Zone Tapering to a Triple Point. Journal of Engineering Mathematics, 2006, 54, 197-210.	1.2	16
40	Seepage to a Drainage Ditch and Optimization of Its Shape. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 619-622.	1.0	16
41	Dynamics of groundwater mounds: analytical solutions and integral characteristics. Hydrological Sciences Journal, 1997, 42, 329-342.	2.6	15
42	Moving phreatic surface in a porous slab: an analytical solution. Journal of Engineering Mathematics, 2001, 40, 399-411.	1.2	15
43	Estimating Groundwater Mounding in Sloping Aquifers for Managed Aquifer Recharge. Ground Water, 2017, 55, 797-810.	1.3	15
44	Conduction through a grooved surface and Sierpinsky fractals. International Journal of Heat and Mass Transfer, 2000, 43, 623-628.	4.8	14
45	Strip-focused phreatic surface flow driven by evaporation: Analytical solution by the Riesenkampf function. Advances in Water Resources, 2006, 29, 1565-1571.	3.8	14
46	Hydropedology and soil evolution in explaining the hydrological properties of recharge dams in arid zone environments. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	14
47	Migration and deposition of fine particles in a porous filter and alluvial deposit: laboratory experiments. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	14
48	A smart capillary barrier-wick irrigation system for home gardens in arid zones. Irrigation Science, 2020, 38, 235-250.	2.8	14
49	Steady seepage near an impermeable obstacle. Journal of Hydrology, 1992, 138, 17-40.	5.4	13
50	EXPLICIT SOLUTIONS FOR SEEPAGE INFILTRATING INTO A POROUS EARTH DAM DUE TO PRECIPITATION. International Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 715-723.	3.3	13
51	Analytical solutions in a hydraulic model of seepage with sharp interfaces. Journal of Hydrology, 2002, 258, 179-186.	5.4	13
52	Three-dimensional groundwater flow to a shallow pond: An explicit solution. Journal of Hydrology, 2007, 337, 200-206.	5.4	13
53	Analytical Solutions and Estimates for Microlevel Flows. Journal of Porous Media, 2005, 8, 125-148.	1.9	13
54	Estimation and Optimization of Transient Seepage with Free Surface. Journal of Irrigation and Drainage Engineering - ASCE, 1993, 119, 1014-1025.	1.0	12

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55	Semipermeable Boundaries and Heterogeneities: Modeling by Singularities. Journal of Hydrologic Engineering - ASCE, 2001, 6, 217-224.	1.9	12
56	Analytical Solutions for Flow Fields near Drainâ€andâ€Gate Reactive Barriers. Ground Water, 2010, 48, 427-437.	1.3	12
57	A transient phreatic surface mound, evidenced by a strip of vegetation on an earth dam. Hydrological Sciences Journal, 2015, 60, 361-378.	2.6	12
58	Analytical solution to a sharp interface problem in a vortex-generated flow. Water Resources Research, 2001, 37, 3387-3391.	4.2	11
59	Can heterogeneity of the near-wellbore rock cause extrema of the Darcian fluid inflow rate from the formation (the Polubarinova-Kochina problem revisited)?. Computers and Geosciences, 2010, 36, 1252-1260.	4.2	11
60	Fluidsâ€™ dynamics in transient air sparging of a heterogeneous unconfined aquifer. Environmental Earth Sciences, 2011, 63, 1189-1198.	2.7	11
61	Tensionâ€saturated and unsaturated flows from line sources in subsurface irrigation: <scp>R</scp>iesenkampf's and <scp>P</scp>hilip's solutions revisited. Water Resources Research, 2016, 52, 1866-1880.	4.2	11
62	Analytical solution for tensionâ€saturated and unsaturated flow from wicking porous pipes in subsurface irrigation: The <scp>K</scp>ornevâ€<scp>P</scp>hilip legacies revisited. Water Resources Research, 2017, 53, 2542-2552.	4.2	11
63	Circular Isobaric Cavity in Descending Unsaturated Flow. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 172-178.	1.0	10
64	Water exclusion from tunnel cavities in the saturated capillary fringe. Advances in Water Resources, 2004, 27, 237-243.	3.8	10
65	Ant mound as an optimal shape in constructal design: Solar irradiation and circadian brood/fungi-warming sorties. Journal of Theoretical Biology, 2014, 355, 21-32.	1.7	10
66	Modeling of transient water table response to managed aquifer recharge: a lagoon in Muscat, Oman. Environmental Earth Sciences, 2016, 75, 1.	2.7	10
67	Evaporation-Induced Capillary Siphoning Through Hydraulically Connected Porous Domains: The Vedernikovâ€“Bouwer Model Revisited. Transport in Porous Media, 2019, 129, 231-251.	2.6	10
68	Nonmonotonic moisture profile as a solution of Richards' equation for soils with conductivity hysteresis. Advances in Water Resources, 1998, 21, 691-696.	3.8	9
69	Analytical solution for transient flow into a hemispherical auger hole. Journal of Hydrology, 2000, 228, 1-9.	5.4	9
70	Unsaturated quasi-linear flow analysis in V-shaped domains. Journal of Hydrology, 2003, 279, 70-82.	5.4	9
71	Discussion of â€œDesign of Minimum Seepage-Loss Nonpolygonal Canal Sectionsâ€•by Prabhata K. Swamee and Deepak Kashyap. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 68-69.	1.0	9
72	Dipole-Generated Unsaturated Flow in Gardner Soils. Vadose Zone Journal, 2007, 6, 168-174.	2.2	9

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73	Optimization and Analysis of Advective Travel Times beneath Hydraulic Structures. Journal of Hydraulic Engineering, 2008, 134, 1311-1317.	1.5	9
74	Steady Darcian Flow in Subsurface Irrigation of Topsoil Impeded by a Substratum: Kornevâ€“Riesenkampfâ€“Philip Legacies Revisited. Irrigation and Drainage, 2018, 67, 374-391.	1.7	9
75	Well-bore clogging of a pumping well in hydraulic interference with an ambient groundwater flow: the Strack-Kostitsina refraction problem in an annular composite redux. Hydrogeology Journal, 2018, 26, 2531-2541.	2.1	9
76	Phreatic seepage flow through an earth dam with an impeding strip. Computational Geosciences, 2020, 24, 17-35.	2.4	9
77	ÐžÐ±Ð·Ð¾Ñ€ Ð¡ÐºÐ²Ð°Ð¶Ð¸Ð½: Ð“Ð¾Ñ€Ð¸Ð·Ð¾Ð½Ñ‚Ð°Ð»ÑŒÐ½Ñ‹Ðµ, ÐÐ°ÐºÐ»Ð¾Ð½Ð½Ñ‹Ðµ Ð¸ Ð³Ð¾Ñ€Ð¸Ð·Ð¾Ð½Ñ‚Ð°Ð»ÑŒÐ½Ñ‹Ðµ		
78	Optimization of the protrusion shape for a couetteâ€type flow. Optimal Control Applications and Methods, 1994, 15, 193-203.	2.1	8
79	Analytical solutions by the hodograph method to hydrodynamic problems for oil and gas traps. Journal of Hydrology, 2001, 254, 33-46.	5.4	8
80	Capillary Fringe and Unsaturated Flow in a Porous Reservoir Bank. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 403-409.	1.0	8
81	Impact of Treated Wastewater from Oil Extraction Process on Soil Physical Properties. Communications in Soil Science and Plant Analysis, 2004, 35, 751-758.	1.4	8
82	Conduction through an assembly of spherical particles at low liquid contents. International Journal of Heat and Mass Transfer, 2007, 50, 292-302.	4.8	8
83	Minimal advective travel time along arbitrary streamlines of porous media flows: The Fermatâ€“Leibnitzâ€“Bernoulli problem revisited. Journal of Hydrology, 2009, 375, 356-362.	5.4	8
84	Pseudo-hysteretic double-front hiatus-stage soil water parcels supplying a plantâ€“root continuum: the Green-Ampt-Youngs model revisited. Hydrological Sciences Journal, 2013, 58, 237-248.	2.6	8
85	Size and Shape of Steady Seawater Intrusion and Sharp-Interface Wedge: The Polubarinova-Kochina Analytical Solution to the Dam Problem Revisited. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	8
86	Rainfall induced groundwater mound in wedge-shaped promontories: The Strackâ€“Chernyshov model revisited. Advances in Water Resources, 2016, 97, 110-119.	3.8	8
87	Free Surface Flow in a Microfluidic Corner and in an Unconfined Aquifer with Accretion: The Signorini and Saint-Venant Analytical Techniques Revisited. Transport in Porous Media, 2017, 116, 115-142.	2.6	8
88	Seepage through earth dam with clay core and toe drain: the Casagrandeâ€“Numerov analytical legacy revisited. ISH Journal of Hydraulic Engineering, 2021, 27, 264-272.	2.1	8
89	Analytic solutions for fresh groundwater lenses floating on saline water under desert dunes: The Kunin-Van Der Veer legacy revisited. Journal of Hydrology, 2019, 574, 733-743.	5.4	8
90	Water table rise in urban shallow aquifer with vertically-heterogeneous soils: Girinskiiâ€™s potential revisited. Hydrological Sciences Journal, 2021, 66, 795-808.	2.6	8

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91	Capillarity and Evaporation Exacerbated Seepage Losses from Unlined Channels. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 623-626.	1.0	7
92	Analytic element solutions for seepage towards topographic depressions. Journal of Hydrology, 2006, 318, 262-275.	5.4	7
93	Analytical solution to 2D problem for an anticline-diverted brine flow with a floating hydrocarbon trap. Transport in Porous Media, 2008, 71, 39-52.	2.6	7
94	Leaky-layer seepage: the Verigin function revisited. Journal of Engineering Mathematics, 2008, 62, 345-354.	1.2	7
95	On the Maas problem of seawater intrusion combated by infiltration. Journal of Hydrology, 2008, 358, 354-358.	5.4	7
96	How much floating light nonaqueous phase liquid can a phreatic surface sustain? Riesenkampf's scheme revisited. Water Resources Research, 2011, 47, .	4.2	7
97	A Well in a â€˜Targetâ€™ Stratum of a Two-Layered Formation: The Muskatâ€“Riesenkampf Solution Revisited. Transport in Porous Media, 2011, 87, 437-457.	2.6	7
98	An exact analytical solution for steady seepage from a perched Aquifer to a lowâ€permeable sublayer: Kirkhamâ€Brock's legacy revisited. Water Resources Research, 2015, 51, 3093-3107.	4.2	7
99	Darcian flow under/through a leaky cutoff wall: Terzaghiâ€“Anderson's seepage problem revisited. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1182-1195.	3.3	7
100	Steady Flow from an Array of Subsurface Emitters: Kornevâ€™s Irrigation Technology and Kidderâ€™s Free Boundary Problems Revisited. Transport in Porous Media, 2018, 121, 643-664.	2.6	7
101	Oblique Porous Composite as Evaporating â€œCapâ€• Do Desert Dunes Preserve Moisture by Capillary Barriers and Tilt of Their Slopes?. Water Resources Research, 2019, 55, 2504-2520.	4.2	7
102	Seepage to ditches and topographic depressions in saturated and unsaturated soils. Advances in Water Resources, 2020, 145, 103732.	3.8	7
103	OPTIMIZATION OF SEEPAGE RATE THROUGH A TRIANGULAR CORE. International Journal for Numerical and Analytical Methods in Geomechanics, 1997, 21, 443-451.	3.3	6
104	Calculation of Inflow and Outflow in Phreatic Aquifers. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 16-19.	1.0	6
105	Maximization of Water Storage in Backfilled and Lined Channels and Dimples Subject to Evaporation and Leakage. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 101-106.	1.0	6
106	Slumping of groundwater mounds: revisiting the Polubarinova-Kochina theory. Hydrological Sciences Journal, 2009, 54, 174-188.	2.6	6
107	Analytical solution for a phreatic groundwater fall: the Riesenkampf and Numerov solutions revisited. Hydrogeology Journal, 2012, 20, 1203-1209.	2.1	6
108	Streets and pedestrian trajectories in an urban district: Bejanâ€™s constructal principle revisited. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 601-608.	2.6	6

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109	Groundwater flow in hillslopes: Analytical solutions by the theory of holomorphic functions and hydraulic theory. Applied Mathematical Modelling, 2015, 39, 3380-3397.	4.2	6
110	Dipolic Flows Relevant to Aquifer Storage and Recovery: Strackâ€™s Sink Solution Revisited. Transport in Porous Media, 2018, 123, 21-44.	2.6	6
111	Water exclusion from tunnel cavities spanning a water table. Journal of Hydrology, 2005, 303, 271-274.	5.4	5
112	Critical tunnel cavities for water exclusion in â€œGreen and Amptâ€•and â€œGardnerâ€•soils. Water Resources Research, 2007, 43, .	4.2	5
113	Optimal placement of a wellbore seal impeding seepage from a tilted fracture. Applied Mathematical Modelling, 2009, 33, 140-147.	4.2	5
114	Analytical Solutions for Steady Phreatic Flow Appearing/Re-emerging Toward/from a Bedrock/Caprock Isobaric Breach: The Polubarinova-Kochinaâ€“Numerov and Pavlovsky Problems Revisited. Transport in Porous Media, 2015, 109, 337-358.	2.6	5
115	Coupling isotopic and piezometric data to infer groundwater recharge mechanisms in arid areas: example of Samail Catchment, Oman. Hydrogeology Journal, 2018, 26, 2561-2573.	2.1	5
116	Minimizing Evaporation by Optimal Layering of Topsoil: Revisiting Ovsinsky's Smart Mulchingâ€Tillage Technology Via Gardnerâ€Warrick's Unsaturated Analytical Model and HYDRUS. Water Resources Research, 2019, 55, 3606-3618.	4.2	5
117	Unlined trench as a falling head permeameter: Analytic and HYDRUS2D modeling versus sandbox experiment. Journal of Hydrology, 2020, 583, 124568.	5.4	5
118	Infiltration-induced phreatic surface flow to periodic drains: Vedernikovâ€“Engelundâ€“Vasilâ€™evâ€™s legacy revisited. Applied Mathematical Modelling, 2021, 91, 989-1003.	4.2	5
119	Analytical traveling-wave solutions and HYDRUS modeling of wet wedges propagating into dry soils: Barenblatt's regime for Boussinesq's equation generalized. Journal of Hydrology, 2021, 598, 126413.	5.4	5
120	Profiling ponded soil surface in saturated seepage into drain-line sink: Kalashnikovâ€™s method of lateral leaching revisited. European Journal of Applied Mathematics, 2023, 34, 367-384.	2.9	5
121	Inclusion shaping and extremal property of the Taylor-Saffman bubble. Fluid Dynamics, 1994, 28, 741-743.	0.9	4
122	Two-dimensional seepage in porous media with heterogeneities. Journal of Geochemical Exploration, 2000, 69-70, 251-255.	3.2	4
123	Optimal design of fibers subject to steady heat conduction. Heat and Mass Transfer, 2006, 43, 319-324.	2.1	4
124	Minimal-Seepage Depth of Isobaric Cavity under Ponded Conditions. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 108-110.	1.0	4
125	Axisymmetric critical cavities for water exclusion in â€œGreen and Amptâ€•soils: use of Pologiiâ€™s integral transform. Journal of Engineering Mathematics, 2009, 64, 105-112.	1.2	4
126	Three-Dimensional Mapping of Seawater Intrusion Using Geophysical Methods. , 2010, , .		4

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127	Modelling of 2-D seepage from aquifer towards stream via clogged bed: The toth-trefftz legacy conjugated. Advances in Water Resources, 2019, 131, 103372.	3.8	4
128	Experiments, analytical and HYDRUS2D modeling of steady jet of quasi-normal surface flow in rectangular channel coupled with vertical seepage: Vedernikov-Riesenkampf's legacy revisited. Advances in Water Resources, 2020, 136, 103503.	3.8	4
129	Enhancement of infiltration rate of clogged porous beds in the vicinity of dams in arid zones by the roots of indigenous Ziziphus spinaâ€christ trees. Hydrological Processes, 2020, 34, 4226-4238.	2.6	4
130	Hydraulically optimal porous liner around a porous lens: Strackâ€™s problem revisited. ISH Journal of Hydraulic Engineering, 2021, 27, 79-89.	2.1	4
131	Water table rise in arid urban area soils due to evaporation impedance and its mitigation by intelligently designed capillary chimney siphons. Environmental Earth Sciences, 2021, 80, 1.	2.7	4
132	Moisture and temperature in a proppant-enveloped silt block of a recharge dam reservoir: Laboratory experiment and 1-D mathematical modelling. Journal of Agricultural and Marine Sciences, 2018, 22, 8.	0.5	4
133	Comment on the paper â€œLinearised Boussinesq equation for modeling bank storageâ€”a correctionâ€• by W.L Hogarth, R.S. Govindaraju, J.Y. Parlange, J.K. Koelliker. Journal of Hydrology, 1999, 218, 95-96.	5.4	3
134	Title is missing!. Journal of Engineering Mathematics, 2000, 37, 397-400.	1.2	3
135	Design of Minimum Seepage Loss Canal Sections. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 189-192.	1.0	3
136	Analytical solutions for one-phase seepage flows impeded by wellbore seals. Journal of Petroleum Science and Engineering, 2009, 64, 67-76.	4.2	3
137	Application of mathematics to flow in porous media before the computer age; an introduction to the Special Issue â€œApplying mathematics to flow in porous mediaâ€• Journal of Engineering Mathematics, 2009, 64, 81-84.	1.2	3
138	Accumulation of a light non-aqueous phase liquid on a flat barrier baffling a descending groundwater flow. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 3667-3684.	2.1	3
139	Analytical Solution for Interface Flow to a Sink With an Upconed Saline Water Lens: Strack's Regimes Revisited. Water Resources Research, 2018, 54, 609-620.	4.2	3
140	Riesenkampf's vortex solution revisited for 2-D commingling of groundwater in a three-layered aquifer: Vertical-inclined-horizontal seepage in aquitard. Advances in Water Resources, 2019, 123, 84-95.	3.8	3
141	Progressing from direct instruction to structured and open inquiry-based teaching in a bachelor of soil sciences program: Experience at the National University in Oman. Journal of Geoscience Education, 2019, 67, 3-19.	1.4	3
142	Fresh-saline water dynamics in coastal aquifers: Sand tank experiments with MAR-wells injecting at intermittent regimes. Journal of Hydrology, 2021, 601, 126826.	5.4	3
143	HEAT CONDUCTION IN TWO-DIMENSIONAL PARQUETS AND OPTIMIZATION OF SPINE SHAPE. , 1997, , .		3
144	Modelling an aquiferâ€™s response to a remedial action in Wadi Suq, Oman. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	3

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145	Seepage to staggered tunnels and subterranean cavities: Analytical and HYDRUS modeling. Advances in Water Resources, 2022, 164, 104182.	3.8	3
146	Title is missing!. Transport in Porous Media, 2003, 52, 387-392.	2.6	2
147	Soil skills challenge: A problem-based field competition towards active learning for BSc. Geoscience students. Geoderma, 2021, 385, 114903.	5.1	2
148	Seepage-evaporation controlled depletion of initially water-filled reservoirs on Earth and Mars: Analytic versus HYDRUS modeling. Icarus, 2022, 372, 114719.	2.5	2
149	Cascade of Proppant-Sandwiched Silt Blocks as a Double-Continuum: From Discovery to Mathematical Modeling. Lecture Notes in Earth System Sciences, 2014, , 193-196.	0.6	2
150	Capture flows of funnel-and-gate reactive barriers without gravel packs. WIT Transactions on Engineering Sciences, 2010, , .	0.0	2
151	Theory of Pipe Drainage Assisted by Mole Drainage. Journal of Irrigation and Drainage Engineering - ASCE, 1999, 125, 231-233.	1.0	1
152	Darcian Seepage through a Parallelogrammic Ramp: Totha€™s Model Revisited. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 377-381.	1.0	1
153	EXPLICIT SOLUTIONS FOR SEEPAGE INFILTRATING INTO A POROUS EARTH DAM DUE TO PRECIPITATION. International Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 715-723.	3.3	1
154	Evaluation of potting media for marigold under salinity stress condition. Journal of Applied Horticulture, 2020, 22, 49-56.	0.2	1
155	Comment on the paper â€œAn analytical solution for design of bi-level drainage systemsâ€•by A.K. Verma, S.K. Gupta, K.K. Singh, H.S. Chauhan. Agricultural Water Management, 2000, 46, 193-200.	5.6	0
156	Comment: â€˜The effect of cavity wall irregularities on seepage exclusion from horizontal cylindrical underground openingsâ€™ by D.L. Hughson, F.T. Dodge, 2000. Journal of Hydrology 228, 206â€“214. Journal of Hydrology, 2002, 261, 245-247.	5.4	0
157	Polubarinova-Kochina Methods for Steady and Transient Systems Governed by the Laplace and Charny Equations. Journal of Mathematical Sciences, 2005, 129, 3596-3602.	0.4	0
158	2-D Darcian flow in vicinity of permeable fracture perturbing unidirectional flow in homogeneous formation. Journal of Engineering Mathematics, 2019, 118, 15-28.	1.2	0
159	Effects of layered artificial substrates on marigold plant growth and production. Acta Horticulturae, 2021, , 1-6.	0.2	0
160	Triangular Ditch of Fastest Infiltration into Porous Substratum. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	1.0	0
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