

# A R Kacimov

## List of Publications by Year in descending order

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161  
papers

2,030  
citations

304743

22  
h-index

395702

33  
g-index

164  
all docs

164  
docs citations

164  
times ranked

1078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling ponded soil surface in saturated seepage into drain-line sink: Kalashnikov's method of lateral leaching revisited. <i>European Journal of Applied Mathematics</i> , 2023, 34, 367-384.	2.9	5
2	Seepage-evaporation controlled depletion of initially water-filled reservoirs on Earth and Mars: Analytic versus HYDRUS modeling. <i>Icarus</i> , 2022, 372, 114719.	2.5	2
3	Drawdown of urban drain trenches triggering 2-D transient seepage in soil massifs subject to managed aquifer discharge: sandbox experiments, analytical and HYDRUS2D modeling. <i>Urban Water Journal</i> , 2022, 19, 299-313.	2.1	0
4	Seepage to staggered tunnels and subterranean cavities: Analytical and HYDRUS modeling. <i>Advances in Water Resources</i> , 2022, 164, 104182.	3.8	3
5	Seepage through earth dam with clay core and toe drain: the Casagrande's Numerov analytical legacy revisited. <i>ISH Journal of Hydraulic Engineering</i> , 2021, 27, 264-272.	2.1	8
6	Hydraulically optimal porous liner around a porous lens: Strack's problem revisited. <i>ISH Journal of Hydraulic Engineering</i> , 2021, 27, 79-89.	2.1	4
7	Infiltration-induced phreatic surface flow to periodic drains: Vedernikov's Engelund's Vasil's legacy revisited. <i>Applied Mathematical Modelling</i> , 2021, 91, 989-1003.	4.2	5
8	Effects of layered artificial substrates on marigold plant growth and production. <i>Acta Horticulturae</i> , 2021, , 1-6.	0.2	0
9	Soil skills challenge: A problem-based field competition towards active learning for BSc. Geoscience students. <i>Geoderma</i> , 2021, 385, 114903.	5.1	2
10	Water table rise in urban shallow aquifer with vertically-heterogeneous soils: Girinski's potential revisited. <i>Hydrological Sciences Journal</i> , 2021, 66, 795-808.	2.6	8
11	Triangular Ditch of Fastest Infiltration into Porous Substratum. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	1.0	0
12	Analytical traveling-wave solutions and HYDRUS modeling of wet wedges propagating into dry soils: Barenblatt's regime for Boussinesq's equation generalized. <i>Journal of Hydrology</i> , 2021, 598, 126413.	5.4	5
13	Water table rise in arid urban area soils due to evaporation impedance and its mitigation by intelligently designed capillary chimney siphons. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	4
14	Fresh-saline water dynamics in coastal aquifers: Sand tank experiments with MAR-wells injecting at intermittent regimes. <i>Journal of Hydrology</i> , 2021, 601, 126826.	5.4	3
15	Phreatic seepage flow through an earth dam with an impeding strip. <i>Computational Geosciences</i> , 2020, 24, 17-35.	2.4	9
16	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. <i>Advances in Water Resources</i> , 2020, 136, 103503.	3.8	4
17	Enhancement of infiltration rate of clogged porous beds in the vicinity of dams in arid zones by the roots of indigenous <i>Ziziphus spina-christ</i> trees. <i>Hydrological Processes</i> , 2020, 34, 4226-4238.	2.6	4

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19	Seepage to ditches and topographic depressions in saturated and unsaturated soils. <i>Advances in Water Resources</i> , 2020, 145, 103732.	3.8	7
20	A smart capillary barrier-wick irrigation system for home gardens in arid zones. <i>Irrigation Science</i> , 2020, 38, 235-250.	2.8	14
21	Unlined trench as a falling head permeameter: Analytic and HYDRUS2D modeling versus sandbox experiment. <i>Journal of Hydrology</i> , 2020, 583, 124568.	5.4	5
22	Evaluation of potting media for marigold under salinity stress condition. <i>Journal of Applied Horticulture</i> , 2020, 22, 49-56.	0.2	1
23	Modelling of 2-D seepage from aquifer towards stream via clogged bed: The toth-trefftz legacy conjugated. <i>Advances in Water Resources</i> , 2019, 131, 103372.	3.8	4
24	2-D Darcian flow in vicinity of permeable fracture perturbing unidirectional flow in homogeneous formation. <i>Journal of Engineering Mathematics</i> , 2019, 118, 15-28.	1.2	0
25	Home gardening in Muscat, Oman: Gardeners's practices, perceptions and motivations. <i>Urban Forestry and Urban Greening</i> , 2019, 38, 286-294.	5.3	23
26	Evaporation-Induced Capillary Siphoning Through Hydraulically Connected Porous Domains: The Vedernikov's Bouwer Model Revisited. <i>Transport in Porous Media</i> , 2019, 129, 231-251.	2.6	10
27	Analytic solutions for fresh groundwater lenses floating on saline water under desert dunes: The Kunin-Van Der Veer legacy revisited. <i>Journal of Hydrology</i> , 2019, 574, 733-743.	5.4	8
28	Minimizing Evaporation by Optimal Layering of Topsoil: Revisiting Ovsinsky's Smart Mulching Tillage Technology Via Gardner's Warrick's Unsaturated Analytical Model and HYDRUS. <i>Water Resources Research</i> , 2019, 55, 3606-3618.	4.2	5
29	Riesenkampf's vortex solution revisited for 2-D commingling of groundwater in a three-layered aquifer: Vertical-inclined-horizontal seepage in aquitard. <i>Advances in Water Resources</i> , 2019, 123, 84-95.	3.8	3
30	Oblique Porous Composite as Evaporating Capillary Do Desert Dunes Preserve Moisture by Capillary Barriers and Tilt of Their Slopes?. <i>Water Resources Research</i> , 2019, 55, 2504-2520.	4.2	7
31	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. <i>Journal of Geoscience Education</i> , 2019, 67, 3-19.	1.4	3
32	Analytical Solution for Interface Flow to a Sink With an Upconed Saline Water Lens: Strack's Regimes Revisited. <i>Water Resources Research</i> , 2018, 54, 609-620.	4.2	3
33	Steady Darcian Flow in Subsurface Irrigation of Topsoil Impeded by a Substratum: Kornev's Riesenkampf's Philip Legacies Revisited. <i>Irrigation and Drainage</i> , 2018, 67, 374-391.	1.7	9
34	Steady Flow from an Array of Subsurface Emitters: Kornev's Irrigation Technology and Kidder's Free Boundary Problems Revisited. <i>Transport in Porous Media</i> , 2018, 121, 643-664.	2.6	7
35	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. <i>Hydrogeology Journal</i> , 2018, 26, 2531-2541.	2.1	9
36	Coupling isotopic and piezometric data to infer groundwater recharge mechanisms in arid areas: example of Samail Catchment, Oman. <i>Hydrogeology Journal</i> , 2018, 26, 2561-2573.	2.1	5

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37	Dipolic Flows Relevant to Aquifer Storage and Recovery: Strack's Sink Solution Revisited. <i>Transport in Porous Media</i> , 2018, 123, 21-44.	2.6	6
38	Moisture and temperature in a proppant-enveloped silt block of a recharge dam reservoir: Laboratory experiment and 1-D mathematical modelling. <i>Journal of Agricultural and Marine Sciences</i> , 2018, 22, 8.	0.5	4
39	Darcian flow under/through a leaky cutoff wall: Terzaghi's Anderson's seepage problem revisited. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017, 41, 1182-1195.	3.3	7
40	Analytical solution for tension-saturated and unsaturated flow from wicking porous pipes in subsurface irrigation: The Kornilov's Philip legacies revisited. <i>Water Resources Research</i> , 2017, 53, 2542-2552.	4.2	11
41	Estimating Groundwater Mounding in Sloping Aquifers for Managed Aquifer Recharge. <i>Ground Water</i> , 2017, 55, 797-810.	1.3	15
42	Free Surface Flow in a Microfluidic Corner and in an Unconfined Aquifer with Accretion: The Signorini and Saint-Venant Analytical Techniques Revisited. <i>Transport in Porous Media</i> , 2017, 116, 115-142.	2.6	8
43	Size and Shape of Steady Seawater Intrusion and Sharp-Interface Wedge: The Polubarinova-Kochina Analytical Solution to the Dam Problem Revisited. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	1.9	8
44	Hydrogeology and soil evolution in explaining the hydrological properties of recharge dams in arid zone environments. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	14
45	Tension-saturated and unsaturated flows from line sources in subsurface irrigation: Riesenkamp's and Philip's solutions revisited. <i>Water Resources Research</i> , 2016, 52, 1866-1880.	4.2	11
46	Conjunctive use of groundwater and surface water resources with aquifer recharge by treated wastewater: evaluation of management scenarios in the Zarqa River Basin, Jordan. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	22
47	Rainfall induced groundwater mound in wedge-shaped promontories: The Strack's Chernyshov model revisited. <i>Advances in Water Resources</i> , 2016, 97, 110-119.	3.8	8
48	Migration and deposition of fine particles in a porous filter and alluvial deposit: laboratory experiments. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	14
49	Research-based learning for undergraduate students in soil and water sciences: a case study of hydrogeology in an arid-zone environment. <i>Journal of Geography in Higher Education</i> , 2016, 40, 321-339.	2.6	17
50	Modeling of transient water table response to managed aquifer recharge: a lagoon in Muscat, Oman. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	10
51	An exact analytical solution for steady seepage from a perched Aquifer to a low-permeable sublayer: Kirkham's Brock's legacy revisited. <i>Water Resources Research</i> , 2015, 51, 3093-3107.	4.2	7
52	Infiltration into Two-Layered Soil: The Green's Ampt and Averyanov Models Revisited. <i>Transport in Porous Media</i> , 2015, 109, 169-193.	2.6	22
53	A transient phreatic surface mound, evidenced by a strip of vegetation on an earth dam. <i>Hydrological Sciences Journal</i> , 2015, 60, 361-378.	2.6	12
54	Analytical Solutions for Steady Phreatic Flow Appearing/Re-emerging Toward/from a Bedrock/Caprock Isobaric Breach: The Polubarinova-Kochina's Numerov and Pavlovsky Problems Revisited. <i>Transport in Porous Media</i> , 2015, 109, 337-358.	2.6	5

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55	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
56	Impact of a Recharge Dam on the Hydrogeology of Arid Zone Soils in Oman: Anthropogenic Formation Factor. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	24
57	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
58	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
59	Streets and pedestrian trajectories in an urban district: Bejan's constructal principle revisited. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 601-608.	2.6	6
60	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
61	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
62	Optimal shape of an anthill dome: Bejan's constructal law revisited. Ecological Modelling, 2013, 250, 384-390.	2.5	18
63	Pseudo-hysteretic double-front hiatus-stage soil water parcels supplying a plant's root continuum: the Green-Ampt-Youngs model revisited. Hydrological Sciences Journal, 2013, 58, 237-248.	2.6	8
64	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
65	Darcian Seepage through a Parallelogrammic Ramp: Toth's Model Revisited. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 377-381.	1.0	1
66	Analytical solution for a phreatic groundwater fall: the Riesenkampf and Numerov solutions revisited. Hydrogeology Journal, 2012, 20, 1203-1209.	2.1	6
67	Analytical solutions for seepage near material boundaries in dam cores: The Davison's Kalinin problems revisited. Applied Mathematical Modelling, 2012, 36, 1286-1301.	4.2	18
68	Modeling Groundwater Flow and Seawater Intrusion in the Coastal Aquifer of Wadi Ham, UAE. Water Resources Management, 2012, 26, 751-774.	3.9	85
69	How much floating light nonaqueous phase liquid can a phreatic surface sustain? Riesenkampf's scheme revisited. Water Resources Research, 2011, 47, .	4.2	7
70	Constructal design of permeable reactive barriers: groundwater-hydraulics criteria. Journal of Engineering Mathematics, 2011, 71, 319-338.	1.2	23
71	A Well in a "Target" Stratum of a Two-Layered Formation: The Muskat's Riesenkampf Solution Revisited. Transport in Porous Media, 2011, 87, 437-457.	2.6	7
72	Fluids' dynamics in transient air sparging of a heterogeneous unconfined aquifer. Environmental Earth Sciences, 2011, 63, 1189-1198.	2.7	11

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73	Assessment of groundwater quality in the northeastern coastal area of UAE as precursor for desalination. <i>Desalination</i> , 2011, 273, 436-446.	8.2	45
74	Analytical Solutions for Flow Fields near Drainage Gate Reactive Barriers. <i>Ground Water</i> , 2010, 48, 427-437.	1.3	12
75	Three-Dimensional Mapping of Seawater Intrusion Using Geophysical Methods. , 2010, , .		4
76	Water table response to a tidal agitation in a coastal aquifer: The Meyer-Polubarinova-Kochina theory revisited. <i>Journal of Hydrology</i> , 2010, 392, 96-104.	5.4	23
77	Can heterogeneity of the near-wellbore rock cause extrema of the Darcian fluid inflow rate from the formation (the Polubarinova-Kochina problem revisited)?. <i>Computers and Geosciences</i> , 2010, 36, 1252-1260.	4.2	11
78	Green-Ampt One-Dimensional Infiltration from a Ponded Surface into a Heterogeneous Soil. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 68-72.	1.0	25
79	Capture flows of funnel-and-gate reactive barriers without gravel packs. <i>WIT Transactions on Engineering Sciences</i> , 2010, , .	0.0	2
80	Minimal-Seepage Depth of Isobaric Cavity under Ponded Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009, 135, 108-110.	1.0	4
81	Minimal advective travel time along arbitrary streamlines of porous media flows: The Fermat-Leibnitz-Bernoulli problem revisited. <i>Journal of Hydrology</i> , 2009, 375, 356-362.	5.4	8
82	Control of sea-water intrusion by salt-water pumping: Coast of Oman. <i>Hydrogeology Journal</i> , 2009, 17, 541-558.	2.1	71
83	Analytical solutions for one-phase seepage flows impeded by wellbore seals. <i>Journal of Petroleum Science and Engineering</i> , 2009, 64, 67-76.	4.2	3
84	Axisymmetric critical cavities for water exclusion in Green and Ampt soils: use of Pologii's integral transform. <i>Journal of Engineering Mathematics</i> , 2009, 64, 105-112.	1.2	4
85	Application of mathematics to flow in porous media before the computer age; an introduction to the Special Issue "Applying mathematics to flow in porous media". <i>Journal of Engineering Mathematics</i> , 2009, 64, 81-84.	1.2	3
86	Optimal placement of a wellbore seal impeding seepage from a tilted fracture. <i>Applied Mathematical Modelling</i> , 2009, 33, 140-147.	4.2	5
87	Slumping of groundwater mounds: revisiting the Polubarinova-Kochina theory. <i>Hydrological Sciences Journal</i> , 2009, 54, 174-188.	2.6	6
88	Analytical solution to 2D problem for an anticline-diverted brine flow with a floating hydrocarbon trap. <i>Transport in Porous Media</i> , 2008, 71, 39-52.	2.6	7
89	Leaky-layer seepage: the Verigin function revisited. <i>Journal of Engineering Mathematics</i> , 2008, 62, 345-354.	1.2	7
90	On the Maas problem of seawater intrusion combated by infiltration. <i>Journal of Hydrology</i> , 2008, 358, 354-358.	5.4	7

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91	Maximization of Water Storage in Backfilled and Lined Channels and Dimples Subject to Evaporation and Leakage. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 101-106.	1.0	6
92	Optimization and Analysis of Advective Travel Times beneath Hydraulic Structures. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1311-1317.	1.5	9
93	Critical tunnel cavities for water exclusion in "Green and Ampt" and "Gardner" soils. <i>Water Resources Research</i> , 2007, 43, .	4.2	5
94	Three-dimensional groundwater flow to a shallow pond: An explicit solution. <i>Journal of Hydrology</i> , 2007, 337, 200-206.	5.4	13
95	Dipole-Generated Unsaturated Flow in Gardner Soils. <i>Vadose Zone Journal</i> , 2007, 6, 168-174.	2.2	9
96	Conduction through an assembly of spherical particles at low liquid contents. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 292-302.	4.8	8
97	Modelling an aquifer's response to a remedial action in Wadi Suq, Oman. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	3
98	Capillarity and Evaporation Exacerbated Seepage Losses from Unlined Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006, 132, 623-626.	1.0	7
99	Sharp interface, one-dimensional seawater intrusion into a confined aquifer with controlled pumping: Analytical solution. <i>Water Resources Research</i> , 2006, 42, .	4.2	21
100	Analytical solution and shape optimization for groundwater flow through a leaky porous trough subjacent to an aquifer. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 1409-1423.	2.1	23
101	Analytic element solutions for seepage towards topographic depressions. <i>Journal of Hydrology</i> , 2006, 318, 262-275.	5.4	7
102	Strip-focused phreatic surface flow driven by evaporation: Analytical solution by the Riesenkampf function. <i>Advances in Water Resources</i> , 2006, 29, 1565-1571.	3.8	14
103	Analytical Solution to a Sea-water Intrusion Problem with a Fresh Water Zone Tapering to a Triple Point. <i>Journal of Engineering Mathematics</i> , 2006, 54, 197-210.	1.2	16
104	Optimal design of fibers subject to steady heat conduction. <i>Heat and Mass Transfer</i> , 2006, 43, 319-324.	2.1	4
105	Geoelectrical and hydrogeochemical studies for delineating seawater intrusion in the outlet of Wadi Ham, UAE. <i>Environmental Geology</i> , 2006, 49, 536-551.	1.2	95
106	Seepage to a Drainage Ditch and Optimization of Its Shape. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2006, 132, 619-622.	1.0	16
107	Non-iterative estimation of heat transfer coefficients using artificial neural network models. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 665-679.	4.8	86
108	Polubarinova-Kochina Methods for Steady and Transient Systems Governed by the Laplace and Charney Equations. <i>Journal of Mathematical Sciences</i> , 2005, 129, 3596-3602.	0.4	0

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109	Steady-State Water-Table Depressions Caused by Evaporation in Lands Overlying a Water-Bearing Substratum. <i>Journal of Hydrologic Engineering - ASCE</i> , 2005, 10, 295-301.	1.9	20
110	Water exclusion from tunnel cavities spanning a water table. <i>Journal of Hydrology</i> , 2005, 303, 271-274.	5.4	5
111	Analytical Solutions and Estimates for Microlevel Flows. <i>Journal of Porous Media</i> , 2005, 8, 125-148.	1.9	13
112	Capillary Fringe and Unsaturated Flow in a Porous Reservoir Bank. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2004, 130, 403-409.	1.0	8
113	Water exclusion from tunnel cavities in the saturated capillary fringe. <i>Advances in Water Resources</i> , 2004, 27, 237-243.	3.8	10
114	Impact of Treated Wastewater from Oil Extraction Process on Soil Physical Properties. <i>Communications in Soil Science and Plant Analysis</i> , 2004, 35, 751-758.	1.4	8
115	Phreatic surface flow from a near-reservoir saturated tongue. <i>Journal of Hydrology</i> , 2004, 296, 271-281.	5.4	22
116	Title is missing!. <i>Transport in Porous Media</i> , 2003, 52, 387-392.	2.6	2
117	Explicit calculation of the friction factor in pipeline flow of Bingham plastic fluids: a neural network approach. <i>Chemical Engineering Science</i> , 2003, 58, 99-106.	3.8	31
118	Mass fractal dimension of soil macropores using computed tomography: from the box-counting to the cube-counting algorithm. <i>European Journal of Soil Science</i> , 2003, 54, 569-579.	3.9	79
119	Unsaturated quasi-linear flow analysis in V-shaped domains. <i>Journal of Hydrology</i> , 2003, 279, 70-82.	5.4	9
120	Discussion of "Design of Minimum Seepage-Loss Nonpolygonal Canal Sections" by Prabhata K. Swamee and Deepak Kashyap. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2003, 129, 68-69.	1.0	9
121	Analytical solutions in a hydraulic model of seepage with sharp interfaces. <i>Journal of Hydrology</i> , 2002, 258, 179-186.	5.4	13
122	Comment: "The effect of cavity wall irregularities on seepage exclusion from horizontal cylindrical underground openings" by D.L. Hughson, F.T. Dodge, 2000. <i>Journal of Hydrology</i> 228, 206-214. <i>Journal of Hydrology</i> , 2002, 261, 245-247.	5.4	0
123	Analytical Determination of Seeping Soil Slopes of a Constant Exit Gradient. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2002, 82, 363.	1.6	22
124	Analytical solution to a sharp interface problem in a vortex-generated flow. <i>Water Resources Research</i> , 2001, 37, 3387-3391.	4.2	11
125	Optimal shape of a variable condenser. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2001, 457, 485-494.	2.1	20
126	Analytical solution for a sharp interface problem in sea water intrusion into a coastal aquifer. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2001, 457, 3023-3038.	2.1	28



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127	Design of Minimum Seepage Loss Canal Sections. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 189-192.	1.0	3
128	Analytical solutions by the hodograph method to hydrodynamic problems for oil and gas traps. Journal of Hydrology, 2001, 254, 33-46.	5.4	8
129	Moving phreatic surface in a porous slab: an analytical solution. Journal of Engineering Mathematics, 2001, 40, 399-411.	1.2	15
130	Calculation of Inflow and Outflow in Phreatic Aquifers. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 16-19.	1.0	6
131	Semipermeable Boundaries and Heterogeneities: Modeling by Singularities. Journal of Hydrologic Engineering - ASCE, 2001, 6, 217-224.	1.9	12
132	Conduction through a grooved surface and Sierpinsky fractals. International Journal of Heat and Mass Transfer, 2000, 43, 623-628.	4.8	14
133	Title is missing!. Journal of Engineering Mathematics, 2000, 37, 397-400.	1.2	3
134	Circular Isobaric Cavity in Descending Unsaturated Flow. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 172-178.	1.0	10
135	Comment on the paper "An analytical solution for design of bi-level drainage systems" by A.K. Verma, S.K. Gupta, K.K. Singh, H.S. Chauhan. Agricultural Water Management, 2000, 46, 193-200.	5.6	0
136	Two-dimensional seepage in porous media with heterogeneities. Journal of Geochemical Exploration, 2000, 69-70, 251-255.	3.2	4
137	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
138	Three-dimensional groundwater flow to a lake: an explicit analytical solution. Journal of Hydrology, 2000, 240, 80-89.	5.4	18
139	Analytical solution for transient flow into a hemispherical auger hole. Journal of Hydrology, 2000, 228, 1-9.	5.4	9
140	Theory of Pipe Drainage Assisted by Mole Drainage. Journal of Irrigation and Drainage Engineering - ASCE, 1999, 125, 231-233.	1.0	1
141	Comment on the paper "Linearised Boussinesq equation for modeling bank storage" a correction by W.L Hogarth, R.S. Govindaraju, J.Y. Parlange, J.K. Koelliker. Journal of Hydrology, 1999, 218, 95-96.	5.4	3
142	Groundwater flow in a medium with a parquet-type conductivity distribution. Journal of Hydrology, 1999, 226, 242-249.	5.4	17
143	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
144	Analytical solutions of seepage theory problems. Inverse method, variational theorems, optimization and estimates (a review). Fluid Dynamics, 1998, 33, 157-168.	0.9	35

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145	Nonmonotonic moisture profile as a solution of Richards' equation for soils with conductivity hysteresis. <i>Advances in Water Resources</i> , 1998, 21, 691-696.	3.8	9
146	Dynamics of groundwater mounds: analytical solutions and integral characteristics. <i>Hydrological Sciences Journal</i> , 1997, 42, 329-342.	2.6	15
147	Analytic Solution to a Problem of Seepage in a Chequer-Board Porous Massif. <i>Transport in Porous Media</i> , 1997, 28, 109-124.	2.6	16
148	OPTIMIZATION OF SEEPAGE RATE THROUGH A TRIANGULAR CORE. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1997, 21, 443-451.	3.3	6
149	Explicit, rigorous solutions to two-dimensional heat transfer: two-component media and optimization of cooling fins. <i>International Journal of Heat and Mass Transfer</i> , 1997, 40, 1191-1196.	4.8	16
150	HEAT CONDUCTION IN TWO-DIMENSIONAL PARQUETS AND OPTIMIZATION OF SPINE SHAPE. , 1997, , .		3
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