Inna F Kodzhespirova

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Noniterative Implementation of Pressure-Dependent Demands Using the Hydraulic Analysis Engine of EPANET 2. Water Resources Management, 2013, 27, 3623-3630.	1.9	56
2	Deep-Level Effects in GaAs Microelectronics: A Review. Russian Microelectronics, 2003, 32, 257-274.	0.1	17
3	Convergence of a Hydraulic Solver with Pressure-Dependent Demands. Water Resources Management, 2014, 28, 1013-1031.	1.9	17
4	Pseudotransient Continuation Method in Extended Period Simulation of Water Distribution Systems. Journal of Hydraulic Engineering, 2008, 134, 1473-1479.	0.7	13
5	Technique for the Pressure-Driven Analysis of Water Distribution Networks with Flow- and Pressure-Regulating Valves. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	13
6	Low-frequency capacitanceâ€“voltage characterization of deep levels in filmâ€“buffer layerâ€“substrate GaAs structures. Solid-State Electronics, 1999, 43, 169-176.	0.8	11
7	Simulating Control Valves in Water Distribution Systems as Pipes of Variable Resistance. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 06018008.	1.3	11
8	Dynamic Pressure-Dependent Simulation of Water Distribution Networks Considering Volume-Driven Demands Based on Noniterative Application of EPANET 2. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	10
9	Evolutionary Testing of Hydraulic Simulator Functionality. Water Resources Management, 2011, 25, 1935-1947.	1.9	9
10	Non-destructive deep trap diagnostics of epitaxial structures. Solid-State Electronics, 2003, 47, 1569-1575.	0.8	6
11	Capacitanceâ€“voltage characteristics of selectively doped AlxGa1â^'xAs/GaAs heterostructures containing deep traps. Journal of Applied Physics, 1999, 86, 532-536.	1.1	5
12	Photocapacitance of GaAs thin-film epitaxial structures. Solid-State Electronics, 2005, 49, 343-349.	0.8	5
13	Pseudotransient Continuation-Based Steady State Solver: Extension to Zero Flow Rates. Journal of Hydraulic Engineering, 2011, 137, 393-397.	0.7	5
14	Nonunique Steady States in Water Distribution Networks with Flow Control Valves. Journal of Hydraulic Engineering, 2016, 142, 04016029.	0.7	5
15	Simple technique for biconical cavity eigenfrequency determination. Radioelectronics and Communications Systems, 2017, 60, 555-561.	0.3	5
16	Hybrid Simulator for Water Distribution Networks with Control Valves. Journal of Water Resources Planning and Management - ASCE, 2019, 145, 06019009.	1.3	5
17	Effects of Non-Zero Minimum Pressure Heads in Non-iterative Application of EPANET 2 in Pressure-Dependent Volume-Driven Analysis of Water Distribution Networks. Water Resources Management, 2020, 34, 5047-5059.	1.9	5
18	Nondestructive technique for the characterization of deep traps at interlayer interfaces in thin-film multilayer semiconductor structures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2357.	1.6	4

#	Article	IF	Citations
19	A WAY TO IMPROVE THE ACCURACY OF DISPLACEMENT MEASUREMENT BY A TWO-PROBE IMPLEMENTATION OF MICROWAVE INTERFEROMETRY. Progress in Electromagnetics Research M, 2013, 30, 105-116.	0.5	4
20	Experimental Analysis of Hydraulic Solver Convergence with Genetic Algorithms. Journal of Hydraulic Engineering, 2010, 136, 331-335.	0.7	3
21	Hydraulic Simulator Testing: Methods, Tools, and Results. , 2011, , .		3
22	Discussion of â€œDealing with Zero Flows in Solving the Nonlinear Equations for Water Distribution Systemsâ€•by Sylvan Elhay and Angus R. Simpson. Journal of Hydraulic Engineering, 2013, 139, 558-560.	0.7	3
23	PHOTOCAPACITANCE OF SELECTIVELY DOPED AlGaAs/GaAs HETEROSTRUCTURES CONTAINING DEEP TRAPS. International Journal of High Speed Electronics and Systems, 2007, 17, 189-192.	0.3	2
24	Two-probe displacement measurement by microwave interferometry. , 2014, , .		2
25	Interprobe distance error compensation in probe measurements of mechanical displacement. Technical Mechanics, 2021, 2021, 77-83.	0.1	2
26	Determination of Biconical Cavity Eigenfrequencies Using Method of Partial Intersecting Regions and Approximation by Rational Fractions. Radioelectronics and Communications Systems, 2019, 62, 630-641.	0.3	2
27	Effect of backgating on the field distribution in planar thin-film GaAs structures. Microelectronics Journal, 2001, 32, 979-982.	1.1	1
28	Calculation of biconical cavity eigenfrequencies by the overlapping domain decomposition method in combination with the collocation method. , 2016, , .		1
29	Motion sensing by microwave interferometry using two electric probes. , 2016, , .		1
30	A Quasi-2D Model of Carrier Trapping in a GaAs MESFET Structure. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 1999, 53, 179-183.	0.2	1
31	Dealing with Zero Flows in the Simulation of Water Distribution Networks with Low-Resistance Pipes Using the Global Gradient Algorithm. Water Resources Management, 2022, 36, 1679-1691.	1.9	1
32	Sidegating mechanism as a function of the sidegate-to-channel spacing. Solid-State Electronics, 2000, 44, 1857-1860.	0.8	0
33	Effect of the impact ionization of deep traps on the field distribution in planar thin-film GaAs structures. Journal of Applied Physics, 2001, 89, 327-331.	1.1	0
34	PHOTOCAPACITANCE OF GaAs THIN-FILM STRUCTURES FABRICATED ON A SEMI-INSULATING COMPENSATED SUBSTRATE. International Journal of High Speed Electronics and Systems, 2004, 14, 775-784.	0.3	0
35	Frequency dispersion in GaAs metal-semiconductor field-effect transistor transconductance. , 2008, , .		0
36	Closure to â€œMethod to Cope with Zero Flows in Newton Solvers for Water Distribution Systemsâ€•by Nikolai B. Gorev, Inna F. Kodzhespirov, Yuriy Kovalenko, Eugenio Prokhorov, and Gerardo Trapaga. Journal of Hydraulic Engineering, 2014, 140, 07014004.	0.7	0

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37	Determination of biconical cavity eigenfrequencies using fractional-rational approximation of its response obtained as solution of excitation problem. , 2016, , .		0
38	Modeling of Flow Control Valves with a Nonzero Loss Coefficient. Journal of Hydraulic Engineering, 2016, 142, 06016017.	0.7	0
39	Closure to â€œModeling of Flow Control Valves with a Nonzero Loss Coefficientâ€•by N. B. Gorev, I. F. Kodzhespirova, and P. Sivakumar. Journal of Hydraulic Engineering, 2017, 143, 07017006.	0.7	0
40	Two-probe displacement measurement technique accounting for the antenna reflection coeficient. , 2017, , .		0
41	Discussion of â€œHydraulic Simulation Techniques for Water Distribution Networks to Treat Pressure Deficient Conditionsâ€•by Ho Min Lee, Do Guen Yoo, Joong Hoon Kim, and Doosun Kang. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 07017006.	1.3	0
42	Discussion of â€œExtending the Global-Gradient Algorithm to Solve Pressure-Control Valvesâ€•by Gioia Foglianti, Stefano Alvisi, Marco Franchini, and Ezio Todini. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	0
43	Closure to â€œDynamic Pressure-Dependent Simulation of Water Distribution Networks Considering Volume-Driven Demands Based on Noniterative Application of EPANET 2â€•by P. Sivakumar, Nikolai B. Gorev, Tiku T. Tanyimboh, Inna F. Kodzhespirova, C. R. Suribabu, and T. R. Neelakantan. Journal of Water Resources Planning and Management - ASCE, 2021, 147, 07021010.	1.3	0
44	PHOTOCAPACITANCE OF GaAs THIN-FILM STRUCTURES FABRICATED ON A SEMI-INSULATING COMPENSATED SUBSTRATE. , 2005, , .		0
45	ÐžÐ¿Ñ€ÐµÐ´ÐµÐ»ÐµÐ½Ð¸Ðµ ÑÐ¾Ð±ÑÑ‚Ð²ÐµÐ½Ð½Ñ‹Ñ… Ñ‡Ð°ÑÑ‚Ð¾Ñ‚ Ð±Ð¸ÐºÐ¾Ð½Ð¸Ñ‡ÐµÑÐºÐ¾Ð³Ð¾ Ñ€ÐµÐ·Ð¾Ð½Ð°Ñ	0.1	