Yuriy Kovalenko

List of Publications by Year in descending order

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43 papers	604 citations	687220 13 h-index	610775 24 g-index
44 all docs	44 docs citations	44 times ranked	1022 citing authors

#	Article	IF	Citations
1	Tuning HAuCl4/Sodium Citrate Stoichiometry to Fabricate Chitosan-Au Nanocomposites. Polymers, 2022, 14, 788.	2.0	7
2	Potential Use of Chitosan-TiO2 Nanocomposites for the Electroanalytical Detection of Imidacloprid. Polymers, 2022, 14, 1686.	2.0	5
3	Relaxation Phenomena in Chitosan-Au Nanoparticle Thin Films. Polymers, 2021, 13, 3214.	2.0	5
4	Chitosan-ZnO Nanocomposites Assessed by Dielectric, Mechanical, and Piezoelectric Properties. Polymers, 2020, 12, 1991.	2.0	25
5	New insights in graphene oxide dielectric constant. Materials Research Express, 2019, 6, 085622.	0.8	11
6	Chitosan/copper nanocomposites: Correlation between electrical and antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2019, 180, 186-192.	2.5	21
7	Effect of Chemical Oxidation Routes on the Properties of Chitosan- MWCNT Nanocomposites. Current Nanoscience, 2019, 15, 618-625.	0.7	3
8	Chitosan-hydroxyapatite nanocomposites: Effect of interfacial layer on mechanical and dielectric properties. Materials Chemistry and Physics, 2018, 217, 151-159.	2.0	39
9	Proton conductivity and relaxation properties of chitosan-acetate films. Electrochimica Acta, 2016, 215, 600-608.	2.6	33
10	Chitosan/silver nanocomposites: Synergistic antibacterial action of silver nanoparticles and silver ions. European Polymer Journal, 2015, 67, 242-251.	2.6	218
11	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
12	Convergence of a Hydraulic Solver with Pressure-Dependent Demands. Water Resources Management, 2014, 28, 1013-1031.	1.9	17
13	Novel gigahertz frequency dielectric relaxations in chitosan films. Soft Matter, 2014, 10, 8673-8684.	1.2	42
14	Method to Cope with Zero Flows in Newton Solvers for Water Distribution Systems. Journal of Hydraulic Engineering, 2013, 139, 456-459.	0.7	6
15	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, 557-558.	0.7	1
16	Dielectric properties of Ge2Sb2Te5 phase-change films. Journal of Applied Physics, 2013, 113, .	1.1	16
17	Hydraulic Simulator Testing: Methods, Tools, and Results. , 2011, , .		3
18	Evolutionary Testing of Hydraulic Simulator Functionality. Water Resources Management, 2011, 25, 1935-1947.	1.9	9

#	Article	IF	Citations
19	Pseudotransient Continuation-Based Steady State Solver: Extension to Zero Flow Rates. Journal of Hydraulic Engineering, 2011, 137, 393-397.	0.7	5
20	Multi-level optical memory based in Ge1Sb2Te4. , 2011, , .		0
21	Experimental Analysis of Hydraulic Solver Convergence with Genetic Algorithms. Journal of Hydraulic Engineering, 2010, 136, 331-335.	0.7	3
22	Dielectric relaxation processes in stoichiometric Ge:Sb:Te amorphous films. Journal of Non-Crystalline Solids, 2010, 356, 2541-2545.	1.5	6
23	Relaxations in chitin: Evidence for a glass transition. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 932-943.	2.4	22
24	Dynamic Mechanical and Dielectric Relaxation Behavior of Chitosan Films: Influence of Water Content. Macromolecular Symposia, 2009, 283â€“284, 199-204.	0.4	5
25	Pseudotransient Continuation Method in Extended Period Simulation of Water Distribution Systems. Journal of Hydraulic Engineering, 2008, 134, 1473-1479.	0.7	13
26	In vivo dc and ac measurements at acupuncture points in healthy and unhealthy people. Complementary Therapies in Medicine, 2006, 14, 31-38.	1.3	13
27	Structure of oxygen-doped Ge:Sb:Te films. Thin Solid Films, 2006, 503, 13-17.	0.8	16
28	Influence of oxygen on the crystallization process in Ge: Sb:Te:O films. , 2006, , .		2
29	Study of laser crystallization and recording properties of oxygen doped Ge:Sb:Te films. Applied Surface Science, 2005, 247, 545-549.	3.1	5
30	Mechanism of crystallization of oxygen-doped amorphous Ge1Sb2Te4 thin films. Journal of Applied Physics, 2004, 96, 1040-1046.	1.1	26
31	Effect of backgating on the field distribution in planar thin-film GaAs structures. Microelectronics Journal, 2001, 32, 979-982.	1.1	1
32	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
33	Sidegating mechanism as a function of the sidegate-to-channel spacing. Solid-State Electronics, 2000, 44, 1857-1860.	0.8	0
34	Nonmonotony of the extrinsic photoconductivity of n-type GaAs thin-film structures under backgating. Microelectronics Journal, 2000, 31, 267-269.	1.1	1
35	Anomalous behavior of the pulse transfer characteristic of a selectively doped AlxGa1â^'xAs/GaAs heterostructure containing deep traps. Microelectronic Engineering, 2000, 51-52, 165-170.	1.1	0
36	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

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37	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
38	Capacitanceâ€“voltage characteristics of selectively doped AlxGa1â^'xAs/GaAs heterostructures containing deep traps. Journal of Applied Physics, 1999, 86, 532-536.	1.1	5
39	Capacitance-voltage profiling of GaAs metal-semiconductor field-effect transistors and geometrical interelectrode capacitance. , 1999, , .		0
40	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
41	Effect of substrate inhomogeneity on extrinsic photoconductivity of n-type GaAs thin-film structures under backgating. Solid-State Electronics, 1997, 41, 1923-1927.	0.8	4
42	Optical Memory Based on GeSbTe-O Alloys. , 0, , .		0
43	Elˆlectric field distribution in planar GaAs devices under backgating. , 0, , .		0