Ciro D'Apice

List of Publications by Year
in descending order

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79	770	566801 15	642321 23
papers	citations	h-index	g-index

81	81	81	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Packet Flow on Telecommunication Networks. SIAM Journal on Mathematical Analysis, 2006, 38, 717-740.	0.9	53
2	The time differential three-phase-lag heat conduction model: Thermodynamic compatibility and continuous dependence. International Journal of Heat and Mass Transfer, 2016, 102, 226-232.	2.5	41
3	A fluid dynamic model for supply chains. Networks and Heterogeneous Media, 2006, 1, 379-398.	0.5	41
4	On the theory of thermoelasticity with microtemperatures. Journal of Mathematical Analysis and Applications, 2013, 397, 349-361.	0.5	38
5	The Stationary Characteristics of the G/MSP/1/r Queueing System. Automation and Remote Control, 2003, 64, 288-301.	0.4	25
6	OPTIMIZATION OF TRAFFIC ON ROAD NETWORKS. Mathematical Models and Methods in Applied Sciences, 2007, 17, 1587-1617.	1.7	25
7	A Fluid Dynamic Model for Telecommunication Networks with Sources and Destinations. SIAM Journal on Applied Mathematics, 2008, 68, 981-1003.	0.8	24
8	A continuum-discrete model for supply chains dynamics. Networks and Heterogeneous Media, 2007, 2, 661-694.	0.5	24
9	Existence of solutions to Cauchy problems for a mixed continuum-discrete model for supply chains and networks. Journal of Mathematical Analysis and Applications, 2010, 362, 374-386.	0.5	22
10	Modelling supply networks with partial differential equations. Quarterly of Applied Mathematics, 2009, 67, 419-440.	0.5	21
11	Circulation of car traffic in congested urban areas. Communications in Mathematical Sciences, 2008, 6, 765-784.	0.5	21
12	Hybrid optimal control: Case study of a car with gears. International Journal of Control, 2003, 76, 1272-1284.	1.2	20
13	Homogenization in domains randomly perforated along the boundary. Discrete and Continuous Dynamical Systems - Series B, 2009, 12, 713-730.	0.5	20
14	VERTEX FLOW MODELS FOR VEHICULAR TRAFFIC ON NETWORKS. Mathematical Models and Methods in Applied Sciences, 2008, 18, 1299-1315.	1.7	17
15	Asymptotic analysis of a boundary-value problem in a cascade thick junction with a random transmission zone. Applicable Analysis, 2009, 88, 1543-1562.	0.6	15
16	Splitting of Traffic Flows to Control Congestion in Special Events. International Journal of Mathematics and Mathematical Sciences, 2011, 2011, 1-18.	0.3	15
17	Numerical Schemes for the Optimal Input Flow of a Supply Chain. SIAM Journal on Numerical Analysis, 2013, 51, 2634-2650.	1.1	15
18	Plane harmonic waves in the theory of thermoviscoelastic materials with voids. Journal of Thermal Stresses, 2016, 39, 142-155.	1.1	15

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19	Sensitivity analysis of permeability parameters for flows on Barcelona networks. Journal of Differential Equations, 2010, 249, 3110-3131.	1.1	14
20	On relaxation of state constrained optimal control problem for a PDE-ODE model of supply chains. Networks and Heterogeneous Media, 2014, 9, 501-518.	0.5	14
21	Analysis of the multi-server Markov queuing system with unlimited buffer and negative customers. Automation and Remote Control, 2007, 68, 85-94.	0.4	13
22	Optimal Control Problems in Coefficients for Degenerate Equations of Monotone Type: Shape Stability and Attainability Problems. SIAM Journal on Control and Optimization, 2012, 50, 1174-1199.	1.1	13
23	Gap phenomenon in the homogenization of parabolic optimal control problems. IMA Journal of Mathematical Control and Information, 2008, 25, 461-489.	1.1	12
24	On Saint-Venant's principle for a linear poroelastic material in plane strain. Journal of Mathematical Analysis and Applications, 2010, 363, 454-467.	0.5	9
25	ON THE SPATIAL BEHAVIOR IN THE DYNAMIC THEORY OF MIXTURES OF THERMOELASTIC SOLIDS. Journal of Thermal Stresses, 2004, 28, 63-82.	1.1	8
26	Decomposition of Queueing Networks with Dependent Service and Negative Customers. Automation and Remote Control, 2004, 65, 86-103.	0.4	8
27	Suboptimal boundary controls for elliptic equation in critically perforated domain. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 1073-1101.	0.7	8
28	Homogenization of 3D thick cascade junction with a random transmission zone periodic in one direction. Russian Journal of Mathematical Physics, 2010, 17, 35-55.	0.4	8
29	Homogenization in perforated domains with mixed conditions. Nonlinear Differential Equations and Applications, 2002, 9, 325-346.	0.4	7
30	Convexity considerations and spatial behavior for the harmonic vibrations in thermoelastic plates. Journal of Mathematical Analysis and Applications, 2005, 312, 44-60.	0.5	7
31	On Approximation of Entropy Solutions for One System of Nonlinear Hyperbolic Conservation Laws with Impulse Source Terms. Journal of Control Science and Engineering, 2010, 2010, 1-10.	0.8	7
32	Flow optimization in vascular networks. Mathematical Biosciences and Engineering, 2017, 14, 607-624.	1.0	7
33	Product form solution for g-networks with dependent service. RAIRO - Operations Research, 2004, 38, 105-119.	1.0	6
34	On Saint-Venant's principle in a poroelastic arch-like region. Mathematical Methods in the Applied Sciences, 2010, 33, 1743-1754.	1.2	6
35	Analysis of an MAP/PH/1 Queue with Flexible Group Service. International Journal of Applied Mathematics and Computer Science, 2017, 27, 119-131.	1.5	6
36	A Finite MAPK/GK/1 Queueing System with Generalized Foreground-Background Processor-Sharing Discipline. Automation and Remote Control, 2004, 65, 1793-1799.	0.4	5

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37	A finite capacity BMAP K /G K /1 queue with the generalized foreground-background processor-sharing discipline. Automation and Remote Control, 2006, 67, 428-434.	0.4	5
38	A hybrid feedback for a benchmark problem of idle speed control. International Journal of Robust and Nonlinear Control, 2010, 20, 515-530.	2.1	5
39	On the rate of convergence of solutions in domain with random multilevel oscillating boundary. Asymptotic Analysis, 2014, 87, 1-28.	0.2	5
40	Modeling birds on wires. Journal of Theoretical Biology, 2017, 415, 102-112.	0.8	5
41	Advances on the time differential three-phase-lag heat conduction model and major open issues. AIP Conference Proceedings, 2017, , .	0.3	5
42	On boundary optimal control problem for an arterial system: Existence of feasible solutions. Journal of Evolution Equations, 2018, 18, 1745-1786.	0.6	5
43	Rate of convergence of eigenvalues to singularly perturbed Steklov-type problem for elasticity system. Applicable Analysis, 2019, 98, 32-44.	0.6	5
44	Spatial behaviour in a Mindlin-type thermoelastic plate. Quarterly of Applied Mathematics, 2003, 61, 783-796.	0.5	5
45	On optimization of a highly re-entrant production system. Networks and Heterogeneous Media, 2016, 11, 415-445.	0.5	5
46	Simulating harmonic oscillator and electrical circuits: a didactical proposal. International Journal of Mathematical Education in Science and Technology, 2002, 33, 157-170.	0.8	4
47	Product form solution for exponential G-networks with dependent service and completion of service of killed customers. Computational Management Science, 2006, 3, 177-192.	0.8	4
48	Efficient controls for traffic flow on networks. Journal of Dynamical and Control Systems, 2010, 16, 407-437.	0.4	4
49	On the rate of convergence of solutions in domain with periodic multilevel oscillating boundary. Mathematical Methods in the Applied Sciences, 2010, 33, 2019-2036.	1.2	4
50	Fluidsim: A Car Traffic Simulation Prototype Based on FluidDynamic. Algorithms, 2010, 3, 294-310.	1.2	4
51	Saint-Venant decay rates for an inhomogeneous isotropic linear thermoelastic strip. Journal of Mathematical Analysis and Applications, 2011, 381, 121-133.	0.5	4
52	DMS2015short-2: Advanced learning technologies for eLearning in the enterprise: Design of an Educational Adventure Game to teach computer security. Journal of Visual Languages and Computing, 2015, 31, 260-266.	1.8	4
53	On the Steklov problem in a domain perforated along a part of the boundary. ESAIM: Mathematical Modelling and Numerical Analysis, 0, , .	0.8	4
54	Operator estimates for elliptic problem with rapidly alternating Steklov boundary condition. Journal of Computational and Applied Mathematics, 2020, 376, 112802.	1.1	4

#	Article	IF	Citations
55	Boundary Control for an Arterial System. Journal of Fluid Flow, Heat and Mass Transfer, 0, , .	0.0	4
56	On boundary optimal control problem for an arterial system: First-order optimality conditions. Networks and Heterogeneous Media, 2018, 13, 585-607.	0.5	4
57	Thermistor Problem: Multi-Dimensional Modelling, Optimization And Approximation. , 2018, , .		3
58	On the Validity of Fluid-dynamic Models for Data Networks. Journal of Networks, 2012, 7, .	0.4	3
59	A MAPK/GK/1/Â Queueing System with Generalized Foreground-Background Processor Sharing Discipline. Automation and Remote Control, 2004, 65, 1961-1967.	0.4	2
60	On a new method for the study of the spatial behavior in a homogeneous elastic arch-like region. Applicable Analysis, 2006, 85, 917-932.	0.6	2
61	Optimal boundary control problem for illâ€posed elliptic equation in domains with rugous boundary. Existence result and optimality conditions. Optimal Control Applications and Methods, 2021, 42, 30-53.	1.3	2
62	Semi-active RFID Devices for Traceability. Lecture Notes in Electrical Engineering, 2015, , 433-437.	0.3	2
63	Variational model with nonstandard growth conditions for restoration of satellite optical images using synthetic aperture radar. European Journal of Applied Mathematics, 0, , 1-29.	1.4	2
64	On the stabilization performance of some hybrid controls. International Journal of Control, 2001, 74, 1020-1032.	1.2	1
65	Hybridization of optimal control problems. International Journal of Control, 2007, 80, 268-280.	1.2	1
66	End effects for a generalized biharmonic equation with applications to functionally graded materials. Journal of Mathematical Analysis and Applications, 2008, 342, 585-600.	0.5	1
67	New model of nonhomogeneous traffic. , 2009, , .		1
68	Design of an Educational Adventure Game to teach computer security in the working environment. , 2015, , .		1
69	Pointwise and Uniform Power Series Convergence. Lecture Notes in Computer Science, 2005, , 594-601.	1.0	0
70	Solution of Optimal Control Problems by Hybridization. , 0, , .		0
71	Spatial Decay Estimates for the Biharmonic Equation in Plane Polars with Applications to Plane Elasticity. Mathematics and Mechanics of Solids, 2007, 12, 343-357.	1.5	0
72	Equilibria and feedback for a hybrid model of idle speed control. , 2007, , .		0

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73	Queueing network with negative customers and the route change. , 2009, , .		0
74	Modeling of network traffic. , 2010, , .		0
75	SemFLATNESSES: Social and Proactive Enterprise Knowledge Management with Semantic Web Technologies. , 2014, , .		0
76	Simulation of heart rate variability model in a network. AIP Conference Proceedings, 2017, , .	0.3	0
77	On optimal control problem for conservation law modelling one class of highly re-entrant production systems. AIP Conference Proceedings, 2017, , .	0.3	0
78	Asymptotic Approximation of the Solution to the Robin Problem in a Thick Multistructure. International Journal for Multiscale Computational Engineering, 2006, 4, 545-558.	0.8	0
79	Boundary velocity suboptimal control of incompressible flow in cylindrically perforated domain. Discrete and Continuous Dynamical Systems - Series B, 2009, 11, 283-314.	0.5	0