

Ahmed Elaiw

List of Publications by Year in descending order

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191
papers

3,574
citations

126708

33
h-index

168136

53
g-index

192
all docs

192
docs citations

192
times ranked

1581
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of within host HTLV-I/HIV-1 co-infection in the presence of macrophages. International Journal of Biomathematics, 2023, 16, .	1.5	4
2	Stability of HIV/HTLV-I co-infection model with delays. Mathematical Methods in the Applied Sciences, 2022, 45, 238-300.	1.2	3
3	Global analysis of within-host SARS-CoV-2/HIV coinfection model with latency. European Physical Journal Plus, 2022, 137, 174.	1.2	17
4	Stability of a secondary dengue viral infection model with multi-target cells. AEJ - Alexandria Engineering Journal, 2022, 61, 7075-7087.	3.4	4
5	Global stability of a delayed SARS-CoV-2 reactivation model with logistic growth, antibody immunity and general incidence rate. AEJ - Alexandria Engineering Journal, 2022, 61, 12475-12495.	3.4	1
6	Global Stability of a Humoral Immunity COVID-19 Model with Logistic Growth and Delays. Mathematics, 2022, 10, 1857.	1.1	17
7	Stability analysis of within-host SARS-CoV-2/HIV coinfection model. Mathematical Methods in the Applied Sciences, 2022, 45, 11403-11422.	1.2	9
8	Global dynamics of SARS-CoV-2/malaria model with antibody immune response. Mathematical Biosciences and Engineering, 2022, 19, 8380-8410.	1.0	8
9	Stability dynamics of a delayed generalized Chikungunya virus infection model. Journal of Applied Mathematics and Computing, 2021, 65, 575-595.	1.2	7
10	Analysis of a within-host HIV/HTLV-I co-infection model with immunity. Virus Research, 2021, 295, 198204.	1.1	20
11	Global stability of HIV/HTLV co-infection model with CTL-mediated immunity. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.5	2
12	Mathematical modeling of HIV/HTLV co-infection with CTL-mediated immunity. AIMS Mathematics, 2021, 6, 1634-1676.	0.7	10
13	Modeling and stability analysis of HIV/HTLV-I co-infection. International Journal of Biomathematics, 2021, 14, 2150030.	1.5	3
14	Modeling and analysis of a within-host HIV/HTLV-I co-infection. Boletin De La Sociedad Matematica Mexicana, 2021, 27, 38.	0.2	5
15	Global Dynamics of Secondary DENV Infection with Diffusion. Journal of Mathematics, 2021, 2021, 1-17.	0.5	4
16	A Global Analysis of Delayed SARS-CoV-2/Cancer Model with Immune Response. Mathematics, 2021, 9, 1283.	1.1	7
17	Global Dynamics of HIV/HTLV-I Co-infection with Effective CTL-Mediated Immune Response. Bulletin of the Malaysian Mathematical Sciences Society, 2021, 44, 4003.	0.4	0
18	Stability of HIV/HTLV co-infection model with effective HIV-specific antibody immune response. Results in Physics, 2021, 27, 104448.	2.0	5

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19	Global dynamics of SARS-CoV-2/cancer model with immune responses. Applied Mathematics and Computation, 2021, 408, 126364.	1.4	19
20	Stability of HTLV/HIV dual infection model with mitosis and latency. Mathematical Biosciences and Engineering, 2021, 18, 1077-1120.	1.0	0
21	STABILITY OF A DELAYED ADAPTIVE IMMUNITY HIV INFECTION MODEL WITH SILENT INFECTED CELLS AND CELLULAR INFECTION. Journal of Applied Analysis and Computation, 2021, 11, 964-1005.	0.2	0
22	Stability analysis of a general HIV dynamics model with multi-stages of infected cells and two routes of infection. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 3541.	0.6	1
23	HTLV/HIV Dual Infection: Modeling and Analysis. Mathematics, 2021, 9, 51.	1.1	7
24	Analysis of an HTLV/HIV dual infection model with diffusion. Mathematical Biosciences and Engineering, 2021, 18, 9430-9473.	1.0	1
25	Global dynamics of reaction-diffusion oncolytic M1 virotherapy with immune response. Applied Mathematics and Computation, 2020, 367, 124758.	1.4	38
26	Impact of B-cell impairment on virus dynamics with time delay and two modes of transmission. Chaos, Solitons and Fractals, 2020, 130, 109455.	2.5	3
27	Global stability of discrete pathogen infection model with humoral immunity and cell-to-cell transmission. Chaos, Solitons and Fractals, 2020, 130, 109458.	2.5	9
28	Stability of discrete-time latent pathogen dynamics model with delay and cellular infection. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2789-2799.	0.8	1
29	Stability of delayed CHIKV dynamics model with cell-to-cell transmission. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2425-2433.	0.8	0
30	Stability of a general adaptive immunity virus dynamics model with multistages of infected cells and two routes of infection. Mathematical Methods in the Applied Sciences, 2020, 43, 1145-1175.	1.2	24
31	Impact of adaptive immune response and cellular infection on delayed virus dynamics with multi-stages of infected cells. International Journal of Biomathematics, 2020, 13, 2050003.	1.5	1
32	Global stability analysis of a general nonlinear scabies dynamics model. Chaos, Solitons and Fractals, 2020, 138, 110133.	2.5	0
33	Stability of a general CTL-mediated immunity HIV infection model with silent infected cell-to-cell spread. Advances in Difference Equations, 2020, 2020, .	3.5	21
34	Stability of a delay-distributed HIV infection model with silent infected cell-to-cell spread and CTL-mediated immunity. European Physical Journal Plus, 2020, 135, 1.	1.2	3
35	Global stability of an adaptive immunity HIV dynamics model with silent and active cell-to-cell transmissions. AIP Advances, 2020, 10, 085216.	0.6	1
36	Stability of a Discrete-Time Pathogen Infection Model with Adaptive Immune Response. Discrete Dynamics in Nature and Society, 2020, 2020, 1-26.	0.5	0

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37	Stability preserving NSFD scheme for a general virus dynamics model with antibody and cell-mediated responses. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109862.	2.5	7
38	Analysis of a delayed and diffusive oncolytic M1 virotherapy model with immune response. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 55, 103116.	0.9	37
39	Stability of a general discrete-time viral infection model with humoral immunity and cellular infection. <i>AIP Advances</i> , 2020, 10, 015244.	0.6	0
40	GLOBAL PROPERTIES OF HIV DYNAMICS MODELS INCLUDING IMPAIRMENT OF B-CELL FUNCTIONS. <i>Journal of Biological Systems</i> , 2020, 28, 1-25.	0.5	8
41	Stability of delayed discrete-time viral model with antibody and cell-mediated immune responses. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 1073-1091.	3.4	0
42	A reaction-diffusion model for oncolytic M1 virotherapy with distributed delays. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	4
43	Particle Methods Simulations by Kinetic Theory Models of Human Crowds Accounting for Stress Conditions. <i>Symmetry</i> , 2020, 12, 14.	1.1	9
44	Global Analysis of a Reaction-Diffusion Within-Host Malaria Infection Model with Adaptive Immune Response. <i>Mathematics</i> , 2020, 8, 563.	1.1	18
45	Global stability of delay-distributed viral infection model with two modes of viral transmission and B-cell impairment. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 6677-6701.	1.2	25
46	Global stability of a delayed adaptive immunity viral infection with two routes of infection and multi-stages of infected cells. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 86, 105259.	1.7	27
47	Global analysis of a reaction-diffusion blood-stage malaria model with immune response. <i>International Journal of Biomathematics</i> , 2020, 13, 2050029.	1.5	1
48	Stability of a discrete-time general delayed viral model with antibody and cell-mediated immune responses. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
49	Stability of an adaptive immunity viral infection model with multi-stages of infected cells and two routes of infection. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 575-605.	1.0	1
50	Stability of a CTL-mediated immunity HIV infection models with silent infected cells and cellular infection. <i>Journal of Mathematics and Computer Science</i> , 2020, 22, 216-237.	0.5	0
51	Stability of an adaptive immunity delayed HIV infection model with active and silent cell-to-cell spread. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 6401-6458.	1.0	6
52	Global stability of delayed virus infection model including multi-target cells and B-cell impairment. <i>Journal of Mathematics and Computer Science</i> , 2020, 23, 245-262.	0.5	0
53	Stability of a general reaction-diffusion HIV-1 dynamics model with humoral immunity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
54	Global Properties of a General Latent Pathogen Dynamics Model with Delayed Pathogenic and Cellular Infections. <i>Discrete Dynamics in Nature and Society</i> , 2019, 2019, 1-18.	0.5	22

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55	A Critical Analysis of Behavioural Crowd Dynamicsâ€”From a Modelling Strategy to Kinetic Theory Methods. <i>Symmetry</i> , 2019, 11, 851.	1.1	12
56	Global stability of discrete virus dynamics models with humoral immunity and latency. <i>Journal of Biological Dynamics</i> , 2019, 13, 639-674.	0.8	5
57	Global Properties of a Delay-Distributed HIV Dynamics Model Including Impairment of B-Cell Functions. <i>Mathematics</i> , 2019, 7, 837.	1.1	35
58	Stability analysis of a general discrete-time pathogen infection model with humoral immunity. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 1149-1172.	0.7	28
59	Global properties of latent virus dynamics with B-cell impairment. <i>AIP Advances</i> , 2019, 9, .	0.6	1
60	Stability of a general HIV-1 reactionâ€”diffusion model with multiple delays and immune response. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122593.	1.2	11
61	Effect of Time Delay in Controlling Crop Pest Using Farming Awareness. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	0.9	9
62	Global Properties of Latent Virus Dynamics Models with Immune Impairment and Two Routes of Infection. <i>High-Throughput</i> , 2019, 8, 16.	4.4	1
63	Stability of discrete-time delayed pathogen infection models with latently infected cells. <i>AIP Advances</i> , 2019, 9, 045015.	0.6	0
64	Stability of CHIKV infection models with CHIKV-monocyte and infected-monocyte saturated incidences. <i>AIP Advances</i> , 2019, 9, 025308.	0.6	6
65	Analysis of General Humoral Immunity HIV Dynamics Model with HAART and Distributed Delays. <i>Mathematics</i> , 2019, 7, 157.	1.1	48
66	Stability of discrete-time HIV dynamics models with three categories of infected CD4+ T-cells. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	21
67	Global dynamics of a general diffusive HBV infection model with capsids and adaptive immune response. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	6
68	Global dynamics of delayed CHIKV infection model with multitarget cells. <i>Journal of Applied Mathematics and Computing</i> , 2019, 60, 303-325.	1.2	9
69	A DPL model of photothermal interaction in a semiconductor material. <i>Waves in Random and Complex Media</i> , 2019, 29, 328-343.	1.6	99
70	Global properties of saturated chikungunya virus dynamics models with cellular infection and delays. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	2
71	Global dynamics of humoral immunity Chikungunya virus with two routes of infection and Holling type-II. <i>Journal of Mathematics and Computer Science</i> , 2019, 19, 65-73.	0.5	6
72	Global dynamics of delayed HIV infection models including impairment of B-cell functions. <i>Journal of Mathematics and Computer Science</i> , 2019, 20, 161-188.	0.5	0

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73	Global properties of virus dynamics with B-cell impairment. <i>Open Mathematics</i> , 2019, 17, 1435-1449.	0.5	1
74	Dynamics of delayed pathogen infection models with pathogenic and cellular infections and immune impairment. <i>AIP Advances</i> , 2018, 8, .	0.6	19
75	Effect of cellular reservoirs and delays on the global dynamics of HIV. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	44
76	Stability of latent pathogen infection model with adaptive immunity and delays. <i>Journal of Integrative Neuroscience</i> , 2018, 17, 547-576.	0.8	5
77	Dynamics and equilibria of living systems. <i>Physics of Life Reviews</i> , 2018, 24, 50-51.	1.5	0
78	Stability of latent pathogen infection model with CTL immune response and saturated cellular infection. <i>AIP Advances</i> , 2018, 8, .	0.6	2
79	Stability of delayed pathogen dynamics models with latency and two routes of infection. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	31
80	Stability of delayed HIV dynamics models with two latent reservoirs and immune impairment. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	45
81	Stability of delayed pathogen dynamics model with cellular infection and CTL immune response. <i>Applied Mathematical Sciences</i> , 2018, 12, 1277-1295.	0.0	0
82	Global Stability of Within-Host Virus Dynamics Models with Multitarget Cells. <i>Mathematics</i> , 2018, 6, 118.	1.1	12
83	Mathematical Modeling in Virology by Differential Equations. <i>International Journal of Differential Equations</i> , 2018, 2018, 1-2.	0.3	2
84	Analysis of latent CHIKV dynamics models with general incidence rate and time delays. <i>Journal of Biological Dynamics</i> , 2018, 12, 700-730.	0.8	16
85	Stability of an adaptive immunity pathogen dynamics model with latency and multiple delays. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6645-6672.	1.2	32
86	Analysis of within-host CHIKV dynamics models with general incidence rate. <i>International Journal of Biomathematics</i> , 2018, 11, 1850062.	1.5	22
87	Effect of antibodies on pathogen dynamics with delays and two routes of infection. <i>AIP Advances</i> , 2018, 8, .	0.6	5
88	Stability of pathogen dynamics models with viral and cellular infections and immune impairment. <i>Journal of Nonlinear Science and Applications</i> , 2018, 11, 456-468.	0.4	3
89	Effect of Time Delay and Antibodies on HCV Dynamics with Cure Rate and Two Routes of Infection. <i>Journal of Applied Mathematics and Physics</i> , 2018, 06, 1120-1138.	0.2	8
90	Stability analysis of general humoral immunity HIV dynamics models with discrete delays and HAART. <i>Journal of Mathematics and Computer Science</i> , 2018, 18, 430-452.	0.5	1

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91	Global Properties of General Viral Infection Models with Humoral Immune Response. Differential Equations and Dynamical Systems, 2017, 25, 453-479.	0.5	0
92	Global stability of a delayed humoral immunity virus dynamics model with nonlinear incidence and infected cells removal rates. International Journal of Dynamics and Control, 2017, 5, 381-393.	1.5	2
93	Stability analysis of humoral immunity HIV infection models with RTI and discrete delays. International Journal of Dynamics and Control, 2017, 5, 811-831.	1.5	3
94	Stability of a general delayâ€distributed virus dynamics model with multiâ€staged infected progression and immune response. Mathematical Methods in the Applied Sciences, 2017, 40, 699-719.	1.2	56
95	Stability of general virus dynamics models with both cellular and viral infections and delays. Mathematical Methods in the Applied Sciences, 2017, 40, 5863-5880.	1.2	55
96	Stability of a general delayed virus dynamics model with humoral immunity and cellular infection. AIP Advances, 2017, 7, .	0.6	12
97	Stability of HIV-1 infection with saturated virus-target and infected-target incidences and CTL immune response. International Journal of Biomathematics, 2017, 10, 1750070.	1.5	32
98	Heterogeneous population dynamics of active particles: Progression, mutations, and selection dynamics. Mathematical Models and Methods in Applied Sciences, 2017, 27, 617-640.	1.7	75
99	Nonlinear dynamical systems. Physics of Life Reviews, 2017, 22-23, 22-23.	1.5	1
100	Dynamical behaviors of a general humoral immunity viral infection model with distributed invasion and production. International Journal of Biomathematics, 2017, 10, 1750035.	1.5	14
101	Dynamics and control in an \mathbb{R}^{n+2} -neuron BAM network with multiple delays. Nonlinear Dynamics, 2017, 87, 313-336.	2.7	11
102	Stability of CTL immunity pathogen dynamics model with capsids and distributed delay. AIP Advances, 2017, 7, .	0.6	7
103	On Entropy Dynamics for Active â€Livingâ€Particles. Entropy, 2017, 19, 525.	1.1	1
104	Stability of general virus dynamics models with both cellular and viral infections. Journal of Nonlinear Science and Applications, 2017, 10, 1538-1560.	0.4	5
105	Effect of humoral immunity on HIV-1 dynamics with virus-to-target and infected-to-target infections. AIP Advances, 2016, 6, 085204.	0.6	22
106	GLOBAL STABILITY OF A GENERAL VIRUS DYNAMICS MODEL WITH MULTI-STAGED INFECTED PROGRESSION AND HUMORAL IMMUNITY. Journal of Biological Systems, 2016, 24, 535-560.	0.5	4
107	Applications of Laplacian spectra for n-prism networks. Neurocomputing, 2016, 198, 69-73.	3.5	42
108	From crowd modeling to safety problems. Physics of Life Reviews, 2016, 18, 33-34.	1.5	1

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109	Space dynamics and stochastic features of evolutionary game dynamics. <i>Physics of Life Reviews</i> , 2016, 19, 27-28.	1.5	2
110	Global dynamics of delay-distributed HIV infection models with differential drug efficacy in cocirculating target cells. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4-31.	1.2	62
111	Dynamics of viral infection models with antibodies and general nonlinear incidence and neutralize rates. <i>International Journal of Dynamics and Control</i> , 2016, 4, 303-317.	1.5	3
112	On the complex interplay between learning and dynamics in life sciences. <i>Physics of Life Reviews</i> , 2016, 16, 142-143.	1.5	1
113	Stability of humoral immunity virus infection model with general incidence rate and distributed delays. <i>Miskolc Mathematical Notes</i> , 2016, 17, 209.	0.3	0
114	Stability of Antibody Immunity Virus Dynamics Model with Nonlinear Incidence and Distributed Invasion and Production Delays. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 851-855.	0.4	0
115	Global analysis of a cocirculating target cells HIV model with differential drug efficacy and nonlinear incidence rate. <i>Miskolc Mathematical Notes</i> , 2016, 17, 231.	0.3	1
116	Application of Model Predictive Control to Emission Constrained Dynamic Energy and Reserve Dispatch Problems. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 4906-4915.	0.4	0
117	Global Properties of a Humoral Immunity Human Immunodeficiency Virus Infection Model with Differential Drug Efficacy in Cocirculating Target Cells. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 4988-4997.	0.4	0
118	Global Stability of a Delay-Distributed Human Immunodeficiency Virus Infection Model with Cytotoxic T Lymphocytes Immune Response and Crowley-Martin Functional Response. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 3739-3749.	0.4	0
119	Global Properties of Viral Infection Model with General Incidence Rate Function and Two Distributed Delays. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 3566-3571.	0.4	0
120	Global Stability of Humoral Immunity HIV Infection Models with Chronically Infected Cells and Discrete Delays. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-25.	0.5	0
121	Global stability of humoral immunity virus dynamics models with nonlinear infection rate and removal. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 26, 161-190.	0.9	102
122	Power-rate synchronization of coupled genetic oscillators with unbounded time-varying delay. <i>Cognitive Neurodynamics</i> , 2015, 9, 549-559.	2.3	7
123	Revisiting node-based SIR models in complex networks with degree correlations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 437, 75-88.	1.2	36
124	Pinning synchronization of coupled inertial delayed neural networks. <i>Cognitive Neurodynamics</i> , 2015, 9, 341-350.	2.3	59
125	Finite-time boundedness and stabilization of uncertain switched neural networks with time-varying delay. <i>Neural Networks</i> , 2015, 69, 135-143.	3.3	75
126	Global properties of delayed-HIV dynamics models with differential drug efficacy in cocirculating target cells. <i>Applied Mathematics and Computation</i> , 2015, 265, 1067-1089.	1.4	40

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127	Mathematics toward systems biology and complexity. <i>Physics of Life Reviews</i> , 2015, 12, 85-90.	1.5	2
128	Global properties of nonlinear humoral immunity viral infection models. <i>International Journal of Biomathematics</i> , 2015, 08, 1550058.	1.5	34
129	GLOBAL ANALYSIS OF AN EXTENDED HIV DYNAMICS MODEL WITH GENERAL INCIDENCE RATE. <i>Journal of Biological Systems</i> , 2015, 23, 401-421.	0.5	0
130	Global stability analysis of humoral immunity virus dynamics model including latently infected cells. <i>Journal of Biological Dynamics</i> , 2015, 9, 215-228.	0.8	17
131	On the interplay between mathematics and biology. <i>Physics of Life Reviews</i> , 2015, 12, 44-64.	1.5	43
132	Global stability of an epidemic model with carrier state in heterogeneous networks. <i>IMA Journal of Applied Mathematics</i> , 2015, 80, 1025-1048.	0.8	36
133	Global Properties for HIV Dynamics Models with Differential Drug Efficacy in Cocirculating Target Cells. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 3506-3515.	0.4	0
134	Stability of Virus Infection Models with Antibodies and Chronically Infected Cells. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-12.	0.3	17
135	Coupled Network Systems and Their Collective Behavior. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-1.	0.3	1
136	Delay-Dependent Stability Criterion of Caputo Fractional Neural Networks with Distributed Delay. <i>Discrete Dynamics in Nature and Society</i> , 2014, 2014, 1-6.	0.5	34
137	Synchronization of the Coupled Distributed Parameter System with Time Delay via Proportional-Spatial Derivative Control. <i>Discrete Dynamics in Nature and Society</i> , 2014, 2014, 1-7.	0.5	5
138	Computational Neuroscience. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-2.	0.7	0
139	Global properties of a cell mediated immunity in HIV infection model with two classes of target cells and distributed delays. <i>International Journal of Biomathematics</i> , 2014, 07, 1450055.	1.5	26
140	A Dual-loop Model Predictive Voltage Control/Sliding-mode Current Control for Voltage Source Inverter Operation in Smart Microgrids. <i>Electric Power Components and Systems</i> , 2014, 42, 348-360.	1.0	18
141	A Model Predictive Control Approach to Combined Heat and Power Dynamic Economic Dispatch Problem. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7117-7125.	1.1	7
142	GLOBAL ANALYSIS FOR A DELAY-DISTRIBUTED VIRAL INFECTION MODEL WITH ANTIBODIES AND GENERAL NONLINEAR INCIDENCE RATE. <i>Journal of the Korean Society for Industrial and Applied Mathematics</i> , 2014, 18, 317-335.	0.0	10
143	Global properties of a class of HIV infection models with Beddingtonâ€DeAngelis functional response. <i>Mathematical Methods in the Applied Sciences</i> , 2013, 36, 383-394.	1.2	102
144	Hybrid DE-SQP and hybrid PSO-SQP methods for solving dynamic economic emission dispatch problem with valve-point effects. <i>Electric Power Systems Research</i> , 2013, 103, 192-200.	2.1	90

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145	Global Dynamics of Virus Infection Model with Antibody Immune Response and Distributed Delays. Discrete Dynamics in Nature and Society, 2013, 2013, 1-9.	0.5	7
146	Minimization of Fuel Costs and Gaseous Emissions of Electric Power Generation by Model Predictive Control. Mathematical Problems in Engineering, 2013, 2013, 1-15.	0.6	11
147	Hepatitis B Virus Dynamics: Modeling, Analysis, and Optimal Treatment Scheduling. Discrete Dynamics in Nature and Society, 2013, 2013, 1-9.	0.5	13
148	Global Dynamics of HIV Infection of CD4+T Cells and Macrophages. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.5	8
149	The Kirchhoff Index of Hypercubes and Related Complex Networks. Discrete Dynamics in Nature and Society, 2013, 2013, 1-7.	0.5	15
150	Combined Heat and Power Dynamic Economic Dispatch with Emission Limitations Using Hybrid DE-SQP Method. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.3	16
151	Hybrid DE-SQP Method for Solving Combined Heat and Power Dynamic Economic Dispatch Problem. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	9
152	Global Stability of HIV Infection of CD4 ⁺ T Cells and Macrophages with CTL Immune Response and Distributed Delays. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11.	0.7	0
153	Synchronization of Switched Interval Networks and Applications to Chaotic Neural Networks. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.3	41
154	Effect of Variable Viscosity on Vortex Instability of Non-Darcy Mixed Convection Boundary Layer Flow Adjacent to a Nonisothermal Horizontal Surface in a Porous Medium. Mathematical Problems in Engineering, 2012, 2012, 1-14.	0.6	3
155	Dynamic Economic Dispatch Using Hybrid DE-SQP for Generating Units with Valve-Point Effects. Mathematical Problems in Engineering, 2012, 2012, 1-10.	0.6	14
156	Global Dynamics of an HIV Infection Model with Two Classes of Target Cells and Distributed Delays. Discrete Dynamics in Nature and Society, 2012, 2012, 1-13.	0.5	16
157	Stability and Feedback Stabilization of HIV Infection Model with Two Classes of Target Cells. Discrete Dynamics in Nature and Society, 2012, 2012, 1-20.	0.5	5
158	Solving dynamic economic emission dispatch problem with valve-point effects using hybrid DE-SQP. , 2012, , .		8
159	Discussion of "Hybrid SOA-SQP algorithm for dynamic economic dispatch with valve-point effects" by S. Sivasubramani, K.S. Swarup [Energy 35 (2010) 5031-5036]. Energy, 2012, 46, 694-696.	4.5	1
160	Global properties of a class of virus infection models with multitarget cells. Nonlinear Dynamics, 2012, 69, 423-435.	2.7	86
161	Global properties of a delayed HIV infection model with CTL immune response. Applied Mathematics and Computation, 2012, 218, 9405-9414.	1.4	54
162	Application of model predictive control to optimal dynamic dispatch of generation with emission limitations. Electric Power Systems Research, 2012, 84, 31-44.	2.1	52

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163	Effect of variable viscosity on vortex instability of non-Darcy free convection boundary layer flow adjacent to a non-isothermal horizontal surface in a porous medium. <i>Boundary Value Problems</i> , 2012, ,	0.3	2
164	GLOBAL STABILITY OF HIV INFECTION MODELS WITH INTRACELLULAR DELAYS. <i>Journal of the Korean Mathematical Society</i> , 2012, 49, 779-794.	0.4	88
165	An application of model predictive control to the dynamic economic dispatch of power generation. <i>Control Engineering Practice</i> , 2011, 19, 638-648.	3.2	92
166	Effect of Variable Viscosity on Vortex Instability of Mixed Convection Boundary Layer Flow Adjacent to a Non-isothermal Horizontal Surface in a Porous Medium. <i>Arabian Journal for Science and Engineering</i> , 2011, 36, 1517-1528.	1.1	4
167	Global Properties of Virus Dynamics Models with Multitarget Cells and Discrete-Time Delays. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-19.	0.5	10
168	Optimal dynamic economic dispatch of generation: A review. <i>Electric Power Systems Research</i> , 2010, 80, 975-986.	2.1	282
169	Global properties of a class of HIV models. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 2253-2263.	0.9	158
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