Ahmed Elaiw

List of Publications by Year
in descending order

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	Optimal dynamic economic dispatch of generation: A review. Electric Power Systems Research, 2010, 80, 975-986.	2.1	282
2	Effect of the chemical reaction and radiation absorption on the unsteady MHD free convection flow past a semi infinite vertical permeable moving plate with heat source and suction. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1056-1066.	1.7	175
3	Global properties of a class of HIV models. Nonlinear Analysis: Real World Applications, 2010, 11, 2253-2263.	0.9	158
4	Global properties of a class of HIV infection models with Beddington–DeAngelis functional response. Mathematical Methods in the Applied Sciences, 2013, 36, 383-394.	1.2	102
5	Global stability of humoral immunity virus dynamics models with nonlinear infection rate and removal. Nonlinear Analysis: Real World Applications, 2015, 26, 161-190.	0.9	102
6	A DPL model of photothermal interaction in a semiconductor material. Waves in Random and Complex Media, 2019, 29, 328-343.	1.6	99
7	An application of model predictive control to the dynamic economic dispatch of power generation. Control Engineering Practice, 2011, 19, 638-648.	3.2	92
8	Hybrid DE-SQP and hybrid PSO-SQP methods for solving dynamic economic emission dispatch problem with valve-point effects. Electric Power Systems Research, 2013, 103, 192-200.	2.1	90
9	GLOBAL STABILITY OF HIV INFECTION MODELS WITH INTRACELLULAR DELAYS. Journal of the Korean Mathematical Society, 2012, 49, 779-794.	0.4	88
10	Global properties of a class of virus infection models with multitarget cells. Nonlinear Dynamics, 2012, 69, 423-435.	2.7	86
11	Finite-time boundedness and stabilization of uncertain switched neural networks with time-varying delay. Neural Networks, 2015, 69, 135-143.	3.3	75
12	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
13	Global dynamics of delay–distributed HIV infection models with differential drug efficacy in cocirculating target cells. Mathematical Methods in the Applied Sciences, 2016, 39, 4-31.	1.2	62
14	Pinning synchronization of coupled inertial delayed neural networks. Cognitive Neurodynamics, 2015, 9, 341-350.	2.3	59
15	Stability of a general delay–distributed virus dynamics model with multi–staged infected progression and immune response. Mathematical Methods in the Applied Sciences, 2017, 40, 699-719.	1.2	56
16	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
17	Global properties of a delayed HIV infection model with CTL immune response. Applied Mathematics and Computation, 2012, 218, 9405-9414.	1.4	54
18	Stabilization of sampled-data nonlinear systems by receding horizon control via discrete-time approximations˜†. Automatica, 2004, 40, 2017-2028.	3.0	53

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19	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
20	Analysis of General Humoral Immunity HIV Dynamics Model with HAART and Distributed Delays. Mathematics, 2019, 7, 157.	1.1	48
21	Stability of delayed HIV dynamics models with two latent reservoirs and immune impairment. Advances in Difference Equations, 2018, 2018, .	3.5	45
22	Effect of cellular reservoirs and delays on the global dynamics of HIV. Advances in Difference Equations, 2018, 2018, .	3.5	44
23	On the interplay between mathematics and biology. Physics of Life Reviews, 2015, 12, 44-64.	1.5	43
24	Applications of Laplacian spectra for n-prism networks. Neurocomputing, 2016, 198, 69-73.	3.5	42
25	Synchronization of Switched Interval Networks and Applications to Chaotic Neural Networks. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.3	41
26	Global properties of delayed-HIV dynamics models with differential drug efficacy in cocirculating target cells. Applied Mathematics and Computation, 2015, 265, 1067-1089.	1.4	40
27	HIV dynamics: Analysis and robust multirate MPC-based treatment schedules. Journal of Mathematical Analysis and Applications, 2009, 359, 285-301.	0.5	38
28	Global dynamics of reaction-diffusion oncolytic M1 virotherapy with immune response. Applied Mathematics and Computation, 2020, 367, 124758.	1.4	38
29	Analysis of a delayed and diffusive oncolytic M1 virotherapy model with immune response. Nonlinear Analysis: Real World Applications, 2020, 55, 103116.	0.9	37
30	Revisiting node-based SIR models in complex networks with degree correlations. Physica A: Statistical Mechanics and Its Applications, 2015, 437, 75-88.	1.2	36
31	Global stability of an epidemic model with carrier state in heterogeneous networks. IMA Journal of Applied Mathematics, 2015, 80, 1025-1048.	0.8	36
32	Global Properties of a Delay-Distributed HIV Dynamics Model Including Impairment of B-Cell Functions. Mathematics, 2019, 7, 837.	1.1	35
33	Delay-Dependent Stability Criterion of Caputo Fractional Neural Networks with Distributed Delay. Discrete Dynamics in Nature and Society, 2014, 2014, 1-6.	0.5	34
34	Global properties of nonlinear humoral immunity viral infection models. International Journal of Biomathematics, 2015, 08, 1550058.	1.5	34
35	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
36	Stability of an adaptive immunity pathogen dynamics model with latency and multiple delays. Mathematical Methods in the Applied Sciences, 2018, 41, 6645-6672.	1.2	32

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37	Stability of delayed pathogen dynamics models with latency and two routes of infection. Advances in Difference Equations, 2018, 2018, .	3.5	31
38	A Model Predictive Control approach to dynamic economic dispatch problem. , 2009, , .		30
39	Stability analysis of a general discrete-time pathogen infection model with humoral immunity. Journal of Difference Equations and Applications, 2019, 25, 1149-1172.	0.7	28
40	Global stability of a delayed adaptive immunity viral infection with two routes of infection and multi-stages of infected cells. Communications in Nonlinear Science and Numerical Simulation, 2020, 86, 105259.	1.7	27
41	Global properties of a cell mediated immunity in HIV infection model with two classes of target cells and distributed delays. International Journal of Biomathematics, 2014, 07, 1450055.	1.5	26
42	Global stability of delay‒distributed viral infection model with two modes of viral transmission and B‒cell impairment. Mathematical Methods in the Applied Sciences, 2020, 43, 6677-6701.	1.2	25
43	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
44	Stabilization of sampled-data nonlinear systems by receding horizon control via discrete-time approximations. Automatica, 2004, 40, 2017-2028.	3.0	23
45	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
46	Analysis of within-host CHIKV dynamics models with general incidence rate. International Journal of Biomathematics, 2018, 11, 1850062.	1.5	22
47	Global Properties of a General Latent Pathogen Dynamics Model with Delayed Pathogenic and Cellular Infections. Discrete Dynamics in Nature and Society, 2019, 2019, 1-18.	0.5	22
48	Stability of discrete-time HIV dynamics models with three categories of infected CD4+ T-cells. Advances in Difference Equations, 2019, 2019, .	3.5	21
49	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
50	Analysis of a within-host HIV/HTLV-I co-infection model with immunity. Virus Research, 2021, 295, 198204.	1.1	20
51	Dynamics of delayed pathogen infection models with pathogenic and cellular infections and immune impairment. AIP Advances, 2018, 8, .	0.6	19
52	Global dynamics of SARS-CoV-2/cancer model with immune responses. Applied Mathematics and Computation, 2021, 408, 126364.	1.4	19
53	A Dual-loop Model Predictive Voltage Control/Sliding-mode Current Control for Voltage Source Inverter Operation in Smart Microgrids. Electric Power Components and Systems, 2014, 42, 348-360.	1.0	18
54	Global Analysis of a Reaction-Diffusion Within-Host Malaria Infection Model with Adaptive Immune Response. Mathematics, 2020, 8, 563.	1.1	18

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55	Stability of Virus Infection Models with Antibodies and Chronically Infected Cells. Abstract and Applied Analysis, 2014, 2014, 1-12.	0.3	17
56	Global stability analysis of humoral immunity virus dynamics model including latently infected cells. Journal of Biological Dynamics, 2015, 9, 215-228.	0.8	17
57	Stability of a general reaction-diffusion HIV-1 dynamics model with humoral immunity. European Physical Journal Plus, 2019, 134, 1.	1.2	17
58	Global analysis of within-host SARS-CoV-2/HIV coinfection model with latency. European Physical Journal Plus, 2022, 137, 174.	1.2	17
59	Global Stability of a Humoral Immunity COVID-19 Model with Logistic Growth and Delays. Mathematics, 2022, 10, 1857.	1.1	17
60	Variable permeability effect on vortex instability of mixed convection flow in a semi-infinite porous medium bounded by a horizontal surface. Applied Mathematics and Computation, 2003, 146, 829-847.	1.4	16
61	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
62	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
63	Analysis of latent CHIKV dynamics models with general incidence rate and time delays. Journal of Biological Dynamics, 2018, 12, 700-730.	0.8	16
64	The Kirchhoff Index of Hypercubes and Related Complex Networks. Discrete Dynamics in Nature and Society, 2013, 2013, 1-7.	0.5	15
65	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
66	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
67	Hepatitis B Virus Dynamics: Modeling, Analysis, and Optimal Treatment Scheduling. Discrete Dynamics in Nature and Society, 2013, 2013, 1-9.	0.5	13
68	Multirate sampling and input-to-state stable receding horizon control for nonlinear systems. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 1637-1648.	0.6	12
69	Stability of a general delayed virus dynamics model with humoral immunity and cellular infection. AIP Advances, 2017, 7, .	0.6	12
70	Global Stability of Within-Host Virus Dynamics Models with Multitarget Cells. Mathematics, 2018, 6, 118.	1.1	12
71	A Critical Analysis of Behavioural Crowd Dynamics—From a Modelling Strategy to Kinetic Theory Methods. Symmetry, 2019, 11, 851.	1.1	12
72	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

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73	Dynamics and control in an $$({varvec{n}}+{varvec{2}})$$ (n + 2) -neuron BAM network with multiple delays. Nonlinear Dynamics, 2017, 87, 313-336.	2.7	11
74	Stability of a general HIV-1 reaction–diffusion model with multiple delays and immune response. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122593.	1.2	11
75	Variable permeability effect on vortex instability of a horizontal natural convection flow in a saturated porous medium with variable wall temperature. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2004, 84, 39-47.	0.9	10
76	Global Properties of Virus Dynamics Models with Multitarget Cells and Discrete-Time Delays. Discrete Dynamics in Nature and Society, 2011, 2011, 1-19.	0.5	10
77	Mathematical modeling of HIV/HTLV co-infection with CTL-mediated immunity. AIMS Mathematics, 2021, 6, 1634-1676.	0.7	10
78	Conditions for MPC Based Stabilization of Sampled-Data Nonlinear Systems Via Discrete-Time Approximations. , 2007, , 35-48.		10
79	GLOBAL ANALYSIS FOR A DELAY-DISTRIBUTED VIRAL INFECTION MODEL WITH ANTIBODIES AND GENERAL NONLINEAR INCIDENCE RATE. Journal of the Korean Society for Industrial and Applied Mathematics, 2014, 18, 317-335.	0.0	10
80	The onset of longitudinal vortices in mixed convection flow over an inclined surface in a porous medium with variable permeability. Applied Mathematics and Computation, 2004, 154, 313-333.	1.4	9
81	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
82	Effect of Time Delay in Controlling Crop Pest Using Farming Awareness. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	9
83	Global dynamics of delayed CHIKV infection model with multitarget cells. Journal of Applied Mathematics and Computing, 2019, 60, 303-325.	1.2	9
84	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
85	Particle Methods Simulations by Kinetic Theory Models of Human Crowds Accounting for Stress Conditions. Symmetry, 2020, 12, 14.	1.1	9
86	Stability analysis of within–host SARS–CoV–2/HIV coinfection model. Mathematical Methods in the Applied Sciences, 2022, 45, 11403-11422.	1.2	9
87	Solving dynamic economic emission dispatch problem with valve-point effects using hybrid DE-SQP. , 2012, , .		8
88	Global Dynamics of HIV Infection of CD4+T Cells and Macrophages. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.5	8
89	GLOBAL PROPERTIES OF HIV DYNAMICS MODELS INCLUDING IMPAIRMENT OF B-CELL FUNCTIONS. Journal of Biological Systems, 2020, 28, 1-25.	0.5	8
90	Effect of Time Delay and Antibodies on HCV Dynamics with Cure Rate and Two Routes of Infection. Journal of Applied Mathematics and Physics, 2018, 06, 1120-1138.	0.2	8

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91	Global dynamics of SARS-CoV-2/malaria model with antibody immune response. Mathematical Biosciences and Engineering, 2022, 19, 8380-8410.	1.0	8
92	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
93	A Model Predictive Control Approach to Combined Heat and Power Dynamic Economic Dispatch Problem. Arabian Journal for Science and Engineering, 2014, 39, 7117-7125.	1.1	7
94	Power-rate synchronization of coupled genetic oscillators with unbounded time-varying delay. Cognitive Neurodynamics, 2015, 9, 549-559.	2.3	7
95	Stability of CTL immunity pathogen dynamics model with capsids and distributed delay. AIP Advances, 2017, 7, .	0.6	7
96	Stability preserving NSFD scheme for a general virus dynamics model with antibody and cell-mediated responses. Chaos, Solitons and Fractals, 2020, 138, 109862.	2.5	7
97	Stability dynamics of a delayed generalized Chikungunya virus infection model. Journal of Applied Mathematics and Computing, 2021, 65, 575-595.	1.2	7
98	A Global Analysis of Delayed SARS-CoV-2/Cancer Model with Immune Response. Mathematics, 2021, 9, 1283.	1.1	7
99	Global stability of a within-host SARS-CoV-2/cancer model with immunity and diffusion. International Journal of Biomathematics, 0, , 2150093.	1.5	7
100	HTLV/HIV Dual Infection: Modeling and Analysis. Mathematics, 2021, 9, 51.	1.1	7
101	The influence of variable permeability on vortex instability of a horizontal combined free and mixed convection flow in a saturated porous medium. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2007, 87, 528-536.	0.9	6
102	Stability of CHIKV infection models with CHIKV-monocyte and infected-monocyte saturated incidences. AIP Advances, 2019, 9, 025308.	0.6	6
103	Global dynamics of a general diffusive HBV infection model with capsids and adaptive immune response. Advances in Difference Equations, 2019, 2019, .	3.5	6
104	Stability of a discrete-time general delayed viral model with antibody and cell-mediated immune responses. Advances in Difference Equations, 2020, 2020, .	3.5	6
105	Global dynamics of humoral immunity Chikungunya virus with two routes of infection and Holling type-II. Journal of Mathematics and Computer Science, 2019, 19, 65-73.	0.5	6
106	Stability of an adaptive immunity delayed HIV infection model with active and silent cell-to-cell spread. Mathematical Biosciences and Engineering, 2020, 17, 6401-6458.	1.0	6
107	Variable permeability effect on buoyancy-induced inclined boundary layer flow in a saturated porous medium with variable wall temperature. Heat and Mass Transfer, 2007, 43, 1241-1247.	1.2	5
108	Vortex instability of mixed convection boundary layer flow adjacent to a nonâ€isothermal inclined surface in a porous medium with variable permeability. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 121-128.	0.9	5

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109	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
110	Synchronization of the Coupled Distributed Parameter System with Time Delay via Proportional-Spatial Derivative Control. Discrete Dynamics in Nature and Society, 2014, 2014, 1-7.	0.5	5
111	Stability of latent pathogen infection model with adaptive immunity and delays. Journal of Integrative Neuroscience, 2018, 17, 547-576.	0.8	5
112	Effect of antibodies on pathogen dynamics with delays and two routes of infection. AIP Advances, 2018, 8, .	0.6	5
113	Global stability of discrete virus dynamics models with humoural immunity and latency. Journal of Biological Dynamics, 2019, 13, 639-674.	0.8	5
114	Modeling and analysis of a within-host HIV/HTLV-I co-infection. Boletin De La Sociedad Matematica Mexicana, 2021, 27, 38.	0.2	5
115	Stability of HIV/HTLV co-infection model with effective HIV-specific antibody immune response. Results in Physics, 2021, 27, 104448.	2.0	5
116	Vortex Instability of Mixed Convection Boundary Layer Flow Adjacent to a Nonisothermal Horizontal Surface in a Porous Medium with Variable Permeability. Journal of Porous Media, 2007, 11, 305-321.	1.0	5
117	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
118	Stabilization of HIV/AIDS model by receding horizon control. Journal of Applied Mathematics and Computing, 2005, 18, 95-112.	1.2	4
119	Effect of Variable Viscosity on Vortex Instability of Mixed Convection Boundary Layer Flow Adjacent to a Non-isothermal Horizontal Surface in a Porous Medium. Arabian Journal for Science and Engineering, 2011, 36, 1517-1528.	1.1	4
120	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
121	A reaction–diffusion model for oncolytic M1 virotherapy with distributed delays. European Physical Journal Plus, 2020, 135, 1.	1.2	4
122	Global Dynamics of Secondary DENV Infection with Diffusion. Journal of Mathematics, 2021, 2021, 1-17.	0.5	4
123	Stability of a secondary dengue viral infection model with multi-target cells. AEJ - Alexandria Engineering Journal, 2022, 61, 7075-7087.	3.4	4
124	Stability of within host HTLV-I/HIV-1 co-infection in the presence of macrophages. International Journal of Biomathematics, 2023, 16, .	1.5	4
125	MULTIRATE SAMPLING AND DELAYS IN RECEDING HORIZON STABILIZATION OF NONLINEAR SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 395-400.	0.4	3
126	Variable permeability and inertia effect on vortex instability of natural convection flow over horizontal permeable plates in porous media. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2190-2201.	1.7	3

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127	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
128	Dynamics of viral infection models with antibodies and general nonlinear incidence and neutralize rates. International Journal of Dynamics and Control, 2016, 4, 303-317.	1.5	3
129	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
130	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
131	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
132	Modeling and stability analysis of HIV/HTLV-I co-infection. International Journal of Biomathematics, 2021, 14, 2150030.	1.5	3
133	Stability of pathogen dynamics models with viral and cellular infections and immune impairment. Journal of Nonlinear Science and Applications, 2018, 11, 456-468.	0.4	3
134	Stability of HIV/HTLVâ€‘ coâ€‘infection model with delays. Mathematical Methods in the Applied Sciences, 2022, 45, 238-300.	1.2	3
135	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. Boundary Value Problems, 2012, 2012, .	0.3	2
136	Mathematics toward systems biology and complexity. Physics of Life Reviews, 2015, 12, 85-90.	1.5	2
137	Space dynamics and stochastic features of evolutionary game dynamics. Physics of Life Reviews, 2016, 19, 27-28.	1.5	2
138	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
139	Stability of latent pathogen infection model with CTL immune response and saturated cellular infection. AIP Advances, 2018, 8, .	0.6	2
140	Mathematical Modeling in Virology by Differential Equations. International Journal of Differential Equations, 2018, 2018, 1-2.	0.3	2
141	Global stability of HIV/HTLV co-infection model with CTL-mediated immunity. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.5	2
142	Global properties of saturated chikungunya virus dynamics models with cellular infection and delays. Advances in Difference Equations, 2019, 2019, .	3.5	2
143	Discussion of â€œHybrid SOA-SQP algorithm for dynamic economic dispatch with valve-point effectsâ€•by S. Sivasubramani, K.S. Swarup [Energy 35 (2010) 5031â€"5036]. Energy, 2012, 46, 694-696.	4.5	1
144	Coupled Network Systems and Their Collective Behavior. Abstract and Applied Analysis, 2014, 2014, 1-1.	0.3	1

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145	From crowd modeling to safety problems. Physics of Life Reviews, 2016, 18, 33-34.	1.5	1
146	On the complex interplay between learning and dynamics in life sciences. Physics of Life Reviews, 2016, 16, 142-143.	1.5	1
147	Nonlinear dynamical systems. Physics of Life Reviews, 2017, 22-23, 22-23.	1.5	1
148	On Entropy Dynamics for Active â€œLivingâ€•Particles. Entropy, 2017, 19, 525.	1.1	1
149	Global properties of latent virus dynamics with B-cell impairment. AIP Advances, 2019, 9, .	0.6	1
150	Global Properties of Latent Virus Dynamics Models with Immune Impairment and Two Routes of Infection. High-Throughput, 2019, 8, 16.	4.4	1
151	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
152	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
153	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
154	Global analysis of a reactionâ€"diffusion blood-stage malaria model with immune response. International Journal of Biomathematics, 2020, 13, 2050029.	1.5	1
155	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
156	Variable Permeability Effect on Vortex Instability of Non-Darcian Mixed Convection Flow Over a Horizontal Permeable Surface Embedded in a Saturated Porous Medium. International Journal of Fluid Mechanics Research, 2010, 37, 15-30.	0.4	1
157	Stability of an adaptive immunity viral infection model with multi-stages of infected cells and two routes of infection. Mathematical Biosciences and Engineering, 2020, 17, 575-605.	1.0	1
158	Global analysis of a cocirculating target cells HIV model with differential drug efficacy and nonlinear incidence rate. Miskolc Mathematical Notes, 2016, 17, 231.	0.3	1
159	Stability analysis of general humoral immunity HIV dynamics models with discrete delays and HAART. Journal of Mathematics and Computer Science, 2018, 18, 430-452.	0.5	1
160	Global properties of virus dynamics with B-cell impairment. Open Mathematics, 2019, 17, 1435-1449.	0.5	1
161	Analysis of an HTLV/HIV dual infection model with diffusion. Mathematical Biosciences and Engineering, 2021, 18, 9430-9473.	1.0	1
162	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

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163	STABILIZING OUTPUT FEEDBACK RECEDING HORIZON CONTROL OF SAMPLED-DATA NONLINEAR SYSTEMS VIA THEIR APPROXIMATE DISCRETE-TIME MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 615-620.	0.4	0
164	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
165	Computational Neuroscience. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	0.7	0
166	Global Stability of a Delay-Distributed Human Immunodeficiency Virus Infection Model with Cytotoxic T Lymphocytes Immune Response and Crowley-Martin Functional Response. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3739-3749.	0.4	0
167	Global Properties of Viral Infection Model with General Incidence Rate Function and Two Distributed Delays. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3566-3571.	0.4	0
168	Global Stability of Humoral Immunity HIV Infection Models with Chronically Infected Cells and Discrete Delays. Discrete Dynamics in Nature and Society, 2015, 2015, 1-25.	0.5	0
169	GLOBAL ANALYSIS OF AN EXTENDED HIV DYNAMICS MODEL WITH GENERAL INCIDENCE RATE. Journal of Biological Systems, 2015, 23, 401-421.	0.5	0
170	Global Properties of General Viral Infection Models with Humoral Immune Response. Differential Equations and Dynamical Systems, 2017, 25, 453-479.	0.5	0
171	Dynamics and equilibria of living systems. Physics of Life Reviews, 2018, 24, 50-51.	1.5	0
172	Stability of delayed pathogen dynamics model with cellular infection and CTL immune response. Applied Mathematical Sciences, 2018, 12, 1277-1295.	0.0	0
173	Stability of discrete-time delayed pathogen infection models with latently infected cells. AIP Advances, 2019, 9, 045015.	0.6	0
174	Stability of delayed CHIKV dynamics model with cell-to-cell transmission. Journal of Intelligent and Fuzzy Systems, 2020, 38, 2425-2433.	0.8	0
175	Global stability analysis of a general nonlinear scabies dynamics model. Chaos, Solitons and Fractals, 2020, 138, 110133.	2.5	0
176	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
177	Stability of a general discrete-time viral infection model with humoral immunity and cellular infection. AIP Advances, 2020, 10, 015244.	0.6	0
178	Stability of delayed discrete-time viral model with antibody and cell-mediated immune responses. AEJ - Alexandria Engineering Journal, 2020, 59, 1073-1091.	3.4	0
179	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
180	Stability of HTLV/HIV dual infection model with mitosis and latency. Mathematical Biosciences and Engineering, 2021, 18, 1077-1120.	1.0	0

#	Article	IF	Citations
181	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
182	INFLUENCE OF VARIABLE PERMEABILITY ON VORTEX INSTABILITY OF A HORIZONTAL COMBINED FREE AND MIXED CONVECTION FLOW IN A SATURATED POROUS MEDIUM. , 2007, , .		0
183	Variable Permeability Effect on Vortex Instability of Buoyancy-Induced Inclined Boundary Layer Flow in a Saturated Porous Medium. International Journal of Fluid Mechanics Research, 2009, 36, 133-144.	0.4	0
184	Global Properties for HIV Dynamics Models with Differential Drug Efficacy in Cocirculating Target Cells. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3506-3515.	0.4	0
185	Stability of humoral immunity virus infection model with general incidence rate and distributed delays. Miskolc Mathematical Notes, 2016, 17, 209.	0.3	0
186	Stability of Antibody Immunity Virus Dynamics Model with Nonlinear Incidence and Distributed Invasion and Production Delays. Journal of Computational and Theoretical Nanoscience, 2016, 13, 851-855.	0.4	0
187	Application of Model Predictive Control to Emission Constrained Dynamic Energy and Reserve Dispatch Problems. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4906-4915.	0.4	0
188	Global Properties of a Humoral Immunity Human Immunodeficiency Virus Infection Model with Differential Drug Efficacy in Cocirculating Target Cells. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4988-4997.	0.4	0
189	Global dynamics of delayed HIV infection models including impairment of B-cell functions. Journal of Mathematics and Computer Science, 2019, 20, 161-188.	0.5	0
190	Stability of a CTL-mediated immunity HIV infection models with silent infected cells and cellular infection. Journal of Mathematics and Computer Science, 2020, 22, 216-237.	0.5	0
191	Global stability of delayed virus infection model including multi-target cells and B-cell impairment. Journal of Mathematics and Computer Science, 2020, 23, 245-262.	0.5	0