

Il Hyo Jung

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

769
citations

840585

11
h-index

580701

25
g-index

63
all docs

63
docs citations

63
times ranked

726
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and application of a physiologically based pharmacokinetic model for entrectinib in rats and scale-up to humans: Route-dependent gut wall metabolism. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112520.	2.5	10
2	Stochastic target-mediated drug disposition model based on birth-death process and its parameter inference using approximate Bayesian computation-MCMC. <i>Applied Mathematical Modelling</i> , 2022, 105, 81-94.	2.2	0
3	Optimal Feedback Control of Cancer Chemotherapy Using Hamiltonâ€“Jacobiâ€“Bellman Equation. <i>Complexity</i> , 2022, 2022, 1-11.	0.9	0
4	Lag Synchronization of Noisy and Nonnoisy Multiple Neurobiological Coupled FitzHughâ€“Nagumo Networks with and without Delayed Coupling. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-23.	1.1	1
5	Extended transit compartment model to describe tumor delay using Coxian distribution. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
6	Synchronization Analysis of Multiple FitzHugh-Nagumo Noisy and Nonnoisy Neurobiological Networks. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-23.	0.6	1
7	Phase-specific cancer-immune model considering acquired resistance to therapeutic agents. <i>Applied Mathematics and Computation</i> , 2021, 391, 125555.	1.4	0
8	Lag synchronization of coupled time-delayed FitzHughâ€“Nagumo neural networks via feedback control. <i>Scientific Reports</i> , 2021, 11, 3884.	1.6	22
9	Revisiting the guidelines for ending isolation for COVID-19 patients. <i>ELife</i> , 2021, 10, .	2.8	17
10	Stability analysis of delay integro-differential equations of HIV-1 infection model. <i>Georgian Mathematical Journal</i> , 2020, 27, 331-340.	0.2	0
11	Mathematical modeling of the receptor-mediated endocytosis process of targeted therapeutic agents in drug delivery systems. <i>Applied Mathematical Modelling</i> , 2020, 79, 300-313.	2.2	11
12	Mathematical analysis of the effectiveness of control strategies to prevent the autorun virus transmission propagation. <i>Applied Mathematics and Computation</i> , 2020, 371, 124955.	1.4	6
13	An immune therapy model for effective treatment on inflammatory bowel disease. <i>PLoS ONE</i> , 2020, 15, e0238918.	1.1	7
14	Estimating Age-Specific Natural Mortality for Sandfish in the Eastern Coastal Waters of Korea. <i>Mathematics</i> , 2020, 8, 1612.	1.1	2
15	A Tumor-Immune Interaction Model for Synergistic Combinations of Anti PD-L1 and Ionizing Irradiation Treatment. <i>Pharmaceutics</i> , 2020, 12, 830.	2.0	8
16	Impact of Awareness to Control Malaria Disease: A Mathematical Modeling Approach. <i>Complexity</i> , 2020, 2020, 1-13.	0.9	6
17	Evaluation of COVID-19 epidemic outbreak caused by temporal contact-increase in South Korea. <i>International Journal of Infectious Diseases</i> , 2020, 96, 454-457.	1.5	38
18	Recent advances in physiologically based pharmacokinetic and pharmacodynamic models for anticancer nanomedicines. <i>Archives of Pharmacal Research</i> , 2020, 43, 80-99.	2.7	12

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19	A mathematical model for assessing the effectiveness of controlling relapse in Plasmodium vivax malaria endemic in the Republic of Korea. PLoS ONE, 2020, 15, e0227919.	1.1	8
20	Dynamical Analysis of Approximate Solutions of HIV-1 Model with an Arbitrary Order. Complexity, 2019, 2019, 1-7.	0.9	4
21	Complex Synchronization of a Ring-Structured Network of FitzHugh-Nagumo Neurons With Single-and Dual-State Gap Junctions Under Ionic Gates and External Electrical Disturbance. IEEE Access, 2019, 7, 57894-57906.	2.6	17
22	Modeling to capture bystander-killing effect by released payload in target positive tumor cells. BMC Cancer, 2019, 19, 194.	1.1	12
23	Global stability of an SEIR epidemic model where empirical distribution of incubation period is approximated by Coxian distribution. Advances in Difference Equations, 2019, 2019, .	3.5	13
24	Mathematical modeling of antibody drug conjugates with the target and tubulin dynamics to predict AUC. Journal of Theoretical Biology, 2018, 443, 113-124.	0.8	7
25	Sensitivity Study of WRF Numerical Modeling for Forecasting Heavy Rainfall in Sri Lanka. Atmosphere, 2018, 9, 378.	1.0	10
26	Qualitative and Sensitivity Analysis of the Effect of Electronic Cigarettes on Smoking Cessation. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-11.	0.7	4
27	Optimal Control Strategies Depending on Interest Level for the Spread of Rumor. Discrete Dynamics in Nature and Society, 2018, 2018, 1-15.	0.5	5
28	Analysis of a vector-bias effect in the spread of malaria between two different incidence areas. Journal of Theoretical Biology, 2017, 419, 66-76.	0.8	11
29	Mathematical Modeling and Control of Infectious Diseases. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-1.	0.7	10
30	Classification and sensitivity analysis of the transmission dynamic of hepatitis B. Theoretical Biology and Medical Modelling, 2017, 14, 22.	2.1	11
31	State-Dependent Impulsive Control Strategies for a Tumor-Immune Model. Discrete Dynamics in Nature and Society, 2016, 2016, 1-10.	0.5	3
32	Perturbation Methods and Formal Modeling for Dynamic Systems. Abstract and Applied Analysis, 2015, 2015, 1-2.	0.3	0
33	Global Existence and Energy Decay Rates for a Kirchhoff-Type Wave Equation with Nonlinear Dissipation. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	1
34	Optimal Treatment Strategy for a Tumor Model under Immune Suppression. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-13.	0.7	8
35	Optimal Campaign Strategies in Fractional-Order Smoking Dynamics. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2014, 69, 225-231.	0.7	11
36	Inferring community properties of benthic macroinvertebrates in streams using Shannon index and exergy. Frontiers of Earth Science, 2014, 8, 44-57.	0.9	2

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37	Complex dynamic behavior in a viral model with state feedback control strategies. <i>Nonlinear Dynamics</i> , 2014, 77, 1223-1236.	2.7	7
38	Mathematical Analysis of a Malaria Model with Partial Immunity to Reinfection. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-17.	0.3	11
39	Stability Analysis of a Vector-Borne Disease with Variable Human Population. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-12.	0.3	5
40	Dynamic Analysis of a Two-Language Competitive Model with Control Strategies. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	0.6	4
41	Optimal Harvesting for an Age-Spatial-Structured Population Dynamic Model with External Mortality. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-14.	0.3	2
42	Presentation of Malaria Epidemics Using Multiple Optimal Controls. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-17.	0.4	30
43	Stability Analysis and Optimal Control of a Vector-Borne Disease with Nonlinear Incidence. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-21.	0.5	35
44	Stabilization of a nonlinear Kirchhoff equation by boundary feedback control. <i>Journal of Engineering Mathematics</i> , 2012, 77, 197-209.	0.6	9
45	Stabilization for the Kirchhoff type equation from an axially moving heterogeneous string modeling with boundary feedback control. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 3598-3617.	0.6	6
46	Blood flow of an Oldroyd-B fluid in a blood vessel incorporating a Brownian stress. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 125-131.	2.0	7
47	Asymptotic behavior of a nonlinear Kirchhoff type equation with spring boundary conditions. <i>Computers and Mathematics With Applications</i> , 2011, 62, 3004-3014.	1.4	7
48	Energy decay rate for a quasi-linear wave equation with localized strong dissipation. <i>Computers and Mathematics With Applications</i> , 2011, 62, 164-172.	1.4	4
49	ORIENTATIONAL STRESS TENSOR OF POLYMER SOLUTION WITH APPLICATIONS TO BLOOD FLOW. <i>Modern Physics Letters B</i> , 2011, 25, 1157-1166.	1.0	0
50	Stabilization of the Kirchhoff type wave equation with locally distributed damping. <i>Applied Mathematics Letters</i> , 2009, 22, 719-722.	1.5	10
51	Adaptive control of an axially moving system. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 3071-3078.	0.7	46
52	Energy decay for a localized degenerate hyperbolic equation in an exterior domain. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, e960-e966.	0.6	0
53	Stability analysis and optimal vaccination of an SIR epidemic model. <i>BioSystems</i> , 2008, 93, 240-249.	0.9	292
54	Stabilization for the nonlinear beam equation. , 2008, , .		0

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55	The Effect Of Constant Yield Harvesting Analysis In The Spruce Budworm Population Dynamics. AIP Conference Proceedings, 2008, , .	0.3	0
56	Stability techniques in SIR epidemic models. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2030063-2030064.	0.2	4
57	Fixed Point Theorems on Product Topological Spaces and Applications. Positivity, 2004, 8, 315-326.	0.3	4
58	Optimization and Identification of Nonlinear Uncertain Systems. Czechoslovak Mathematical Journal, 2003, 53, 861-879.	0.3	1
59	Constrained controllability of linear time-varying systems in banach spaces. Optimization, 2001, 50, 187-204.	1.0	0
60	On Existence of global solutions for the carrier model with nonlinear damping and source terms. Applicable Analysis, 2001, 77, 305-318.	0.6	5