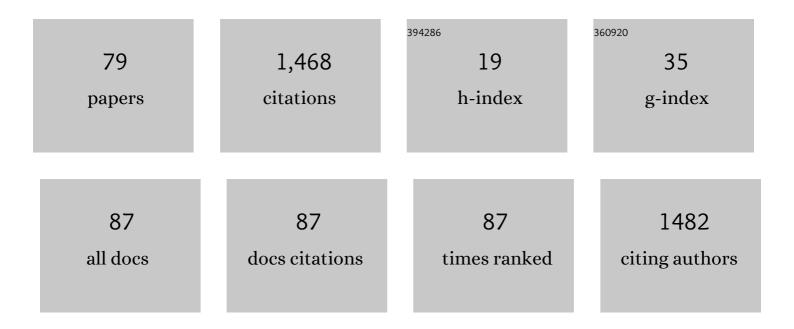
List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Risk Assessment of Novel Coronavirus COVID-19 Outbreaks Outside China. Journal of Clinical Medicine, 2020, 9, 571.	1.0	233
2	SEIR epidemiological model with varying infectivity and infinite delay. Mathematical Biosciences and Engineering, 2008, 5, 389-402.	1.0	85
3	Emergence of drug resistance: implications for antiviral control of pandemic influenza. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1675-1684.	1.2	75
4	Generalization of Pairwise Models to non-Markovian Epidemics on Networks. Physical Review Letters, 2015, 115, 078701.	2.9	72
5	Population-Wide Emergence of Antiviral Resistance during Pandemic Influenza. PLoS ONE, 2008, 3, e1839.	1.1	69
6	A Delay Differential Model for Pandemic Influenza with Antiviral Treatment. Bulletin of Mathematical Biology, 2008, 70, 382-397.	0.9	57
7	Nonlinear model predictive control with logic constraints for COVID-19 management. Nonlinear Dynamics, 2020, 102, 1965-1986.	2.7	55
8	Transmission Dynamics and Final Epidemic Size of Ebola Virus Disease Outbreaks with Varying Interventions. PLoS ONE, 2015, 10, e0131398.	1.1	51
9	Domain-decomposition method for the global dynamics of delay differential equations with unimodal feedback. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 2655-2669.	1.0	49
10	Early Phase of the COVID-19 Outbreak in Hungary and Post-Lockdown Scenarios. Viruses, 2020, 12, 708.	1.5	48
11	Immuno-epidemiology of a population structured by immune status: a mathematical study of waning immunity and immune system boosting. Journal of Mathematical Biology, 2015, 71, 1737-1770.	0.8	40
12	Primary and secondary clarithromycin resistance in Helicobacter pylori and mathematical modeling of the role of macrolides. Nature Communications, 2021, 12, 2255.	5.8	37
13	On the global attractor of delay differential equations with unimodal feedback. Discrete and Continuous Dynamical Systems, 2009, 24, 1215-1224.	0.5	35
14	Persistence, Permanence and Global Stability for an \$\$n\$\$ n -Dimensional Nicholson System. Journal of Dynamics and Differential Equations, 2014, 26, 723-744.	1.0	34
15	Endemic Bubbles Generated by Delayed Behavioral Response: Global Stability and Bifurcation Switches in an SIS Model. SIAM Journal on Applied Mathematics, 2015, 75, 75-91.	0.8	34
16	Global analysis for spread of infectious diseases via transportation networks. Journal of Mathematical Biology, 2015, 70, 1411-1456.	0.8	29
17	Modeling the waning and boosting of immunity from infection or vaccination. Journal of Theoretical Biology, 2020, 497, 110265.	0.8	25
18	Modelling the strategies for age specific vaccination scheduling during influenza pandemic outbreaks. Mathematical Biosciences and Engineering, 2011, 8, 123-139.	1.0	24

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19	Post-exposure prophylaxis during pandemic outbreaks. BMC Medicine, 2009, 7, 73.	2.3	23
20	Dichotomy results for delay differential equations with negative Schwarzian derivative. Nonlinear Analysis: Real World Applications, 2010, 11, 1422-1430.	0.9	23
21	Microsimulation based quantitative analysis of COVID-19 management strategies. PLoS Computational Biology, 2022, 18, e1009693.	1.5	19
22	Global dynamics in a commodity market model. Journal of Mathematical Analysis and Applications, 2013, 398, 707-714.	0.5	16
23	Stability Switches Induced by Immune System Boosting in an SIRS Model with Discrete and Distributed Delays. SIAM Journal on Applied Mathematics, 2017, 77, 905-923.	0.8	16
24	COVID-19 Seroprevalence in Canada Modelling Waning and Boosting COVID-19 Immunity in Canada a Canadian Immunization Research Network Study. Vaccines, 2022, 10, 17.	2.1	16
25	Pairwise approximation for <i>SIR</i> -type network epidemics with non-Markovian recovery. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170695.	1.0	15
26	Assessing systemic and non-systemic transmission risk of tick-borne encephalitis virus in Hungary. PLoS ONE, 2019, 14, e0217206.	1.1	15
27	Rich Bifurcation Structure in a Two-Patch Vaccination Model. SIAM Journal on Applied Dynamical Systems, 2015, 14, 980-1017.	0.7	14
28	On the global attractivity controversy for a delay model of hematopoiesis. Applied Mathematics and Computation, 2007, 190, 846-850.	1.4	13
29	SIS model on homogeneous networks with threshold type delayed contact reduction. Computers and Mathematics With Applications, 2013, 66, 1534-1546.	1.4	13
30	Epidemic Spread and Variation of Peak Times in Connected Regions Due to Travel-Related InfectionsDynamics of an Antigravity-Type Delay Differential Model. SIAM Journal on Applied Dynamical Systems, 2013, 12, 1722-1762.	0.7	13
31	On Spread of Phage Infection of Bacteria in a Petri Dish. SIAM Journal on Applied Mathematics, 2012, 72, 670-688.	0.8	12
32	Global Dynamics of a Novel Delayed Logistic Equation Arising from Cell Biology. Journal of Nonlinear Science, 2020, 30, 397-418.	1.0	12
33	Impact of Spring Bird Migration on the Range Expansion of Ixodes scapularis Tick Population. Bulletin of Mathematical Biology, 2016, 78, 138-168.	0.9	11
34	Neimark–Sacker bifurcation for periodic delay differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2005, 60, 1025-1044.	0.6	10
35	A hybrid PDE–ABM model for viral dynamics with application to SARS-CoV-2 and influenza. Royal Society Open Science, 2021, 8, 210787.	1.1	10
36	Malaria dynamics with long incubation period in hosts. Computers and Mathematics With Applications, 2014, 68, 915-930.	1.4	9

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37	IMPACT OF NON-MARKOVIAN RECOVERY ON NETWORK EPIDEMICS. , 2016, , .		9
38	Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. Scientific Reports, 2022, 12, 4690.	1.6	9
39	Delay in booster schedule as a control parameter in vaccination dynamics. Journal of Mathematical Biology, 2019, 79, 2157-2182.	0.8	8
40	Global dynamics for the spread of ectoparasite-borne diseases. Nonlinear Analysis: Real World Applications, 2014, 18, 100-107.	0.9	7
41	Spatially heterogeneous populations with mixed negative and positive local density dependence. Theoretical Population Biology, 2016, 109, 6-15.	0.5	7
42	Controlling Mackey–Glass chaos. Chaos, 2017, 27, 114321.	1.0	7
43	Large number of endemic equilibria for disease transmission models in patchy environment. Mathematical Biosciences, 2014, 258, 201-222.	0.9	6
44	Fleeing lockdown and its impact on the size of epidemic outbreaks in the source and target regions – a COVID-19 lesson. Scientific Reports, 2021, 11, 9233.	1.6	6
45	Structure of the Global Attractors in a Model for Ectoparasite Borne Diseases. Biomath, 2012, 1, .	0.3	5
46	Large time behavior of a linear delay differential equation with asymptotically small coefficient. Boundary Value Problems, 2014, 2014, .	0.3	5
47	Uniform Persistence in a Model for Bluetongue Dynamics. SIAM Journal on Mathematical Analysis, 2014, 46, 1160-1184.	0.9	5
48	Age-dependent intra-specific competition in pre-adult life stages and its effects on adult population dynamics. European Journal of Applied Mathematics, 2016, 27, 131-156.	1.4	5
49	A monotonic relationship between the variability of the infectious period and final size in pairwise epidemic modelling. Journal of Mathematics in Industry, 2019, 9, .	0.7	5
50	Unbounded and blow-up solutions for a delay logistic equation with positive feedback. Communications on Pure and Applied Analysis, 2018, 17, 2845-2854.	0.4	5
51	Global stability for SIR and SIRS models with nonlinear incidence and removal terms via Dulac functions. Discrete and Continuous Dynamical Systems - Series B, 2016, 21, 1101-1117.	0.5	5
52	Backward Bifurcation in SIVS Model with Immigration of Non-Infectives. Biomath, 2013, 2, .	0.3	4
53	Modeling the transmission dynamics of varicella in Hungary. Journal of Mathematics in Industry, 2020, 10, .	0.7	4
54	Periodic Orbits and Global Stability for a Discontinuous SIR Model with Delayed Control. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	0.8	3

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55	Stability and oscillations of multistage SIS models depend on the number of stages. Applied Mathematics and Computation, 2020, 380, 125259.	1.4	3
56	Population dynamics of epidemic and endemic states of drug-resistance emergence in infectious diseases. PeerJ, 2017, 5, e2817.	0.9	3
57	Global stability of a multistrain SIS model with superinfection. Mathematical Biosciences and Engineering, 2016, 13, 4-4.	1.0	3
58	Dynamics of an SIS model on homogeneous networks with delayed reduction of contact numbers. Biomath, 2012, 1, .	0.3	2
59	Backward bifurcation for pulse vaccination. Nonlinear Analysis: Hybrid Systems, 2014, 14, 99-113.	2.1	2
60	Global dynamics of delay recruitment models with maximized lifespan. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	0.7	2
61	HOW THE INTERVAL BETWEEN PRIMARY AND BOOSTER VACCINATION AFFECTS LONG-TERM DISEASE DYNAMICS. , 2017, , 60-71.		2
62	Symptom-Based Testing in a Compartmental Model of Covid-19. Infosys Science Foundation Series, 2021, , 357-376.	0.3	2
63	Exotic Bifurcations in Three Connected Populations with Allee Effect. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, .	0.7	2
64	In Silico Evaluation of Paxlovid's Pharmacometrics for SARS-CoV-2: A Multiscale Approach. Viruses, 2022, 14, 1103.	1.5	2
65	On an approximate method for the delay logistic equation. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3470-3474.	1.7	1
66	Multiregional SIR model with infection during transportation. Biomath, 2012, 1, .	0.3	1
67	Risk of Infectious Disease Outbreaks by Imported Cases with Application to the European Football Championship 2012. International Journal of Stochastic Analysis, 2013, 2013, 1-9.	0.3	1
68	Stability Threshold for Scalar Linear Periodic Delay Differential Equations. Canadian Mathematical Bulletin, 2016, 59, 849-857.	0.3	1
69	Hopf bifurcation for Wright-type delay differential equations: The simplest formula, period estimates, and the absence of folds. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105188.	1.7	1
70	Global convergence and uniform bounds of fluctuating prices in a single commodity market model of Bélair and Mackey. Electronic Journal of Qualitative Theory of Differential Equations, 2012, , 1-9.	0.2	1
71	Global dynamics of a compartmental system modeling ectoparasite-borne diseases. Acta Scientiarum Mathematicarum, 2014, 80, 553-572.	0.2	1
72	MODELLING MALARIA DYNAMICS IN TEMPERATE REGIONS WITH LONG TERM INCUBATION PERIOD. , 2014, , .		0

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73	Variance of Infectious Periods and Reproduction Numbers for Network Epidemics with Non-Markovian Recovery. Mathematics in Industry, 2017, , 171-178.	0.1	0
74	Global dynamics of an epidemiological model with age-of-infection dependent treatment rate. Ricerche Di Matematica, 2018, 67, 125-140.	0.6	0
75	Global stability of a multistrain SIS model with superinfection and patch structure. Mathematical Methods in the Applied Sciences, 2020, 43, 9671-9680.	1.2	0
76	Hopf Bifurcations in Nicholson's Blowfly Equation are Always Supercritical. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150071.	0.7	0
77	SEI MODEL WITH VARYING TRANSMISSION AND MORTALITY RATES. , 2011, , .		0
78	Convergence of Solutions in a Mean-Field Model of Go-or-Grow Type with Reservation of Sites for Proliferation and Cell Cycle Delay. Mathematics in Industry, 2019, , 381-387.	0.1	0
79	Challenges in the Modelling and Control of Varicella in Hungary. Mathematics in Industry, 2019, , 249-255.	0.1	0