

# Hakimeh Mohammadi

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,181  
citations

394421

19  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

928  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new study on the mathematical modelling of human liver with Caputo-Fabrizio fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109705.	5.1	534
2	A theoretical study of the Caputo-Fabrizio fractional modeling for hearing loss due to Mumps virus with optimal control. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110668.	5.1	264
3	A mathematical model for COVID-19 transmission by using the Caputo fractional derivative. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110107.	5.1	239
4	Analysis of the model of HIV-1 infection of $CD4^{+}$ T-cell with a new approach of fractional derivative. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	183
5	Some existence results on nonlinear fractional differential equations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120144.	3.4	143
6	A fractional differential equation model for the COVID-19 transmission by using the Caputo-Fabrizio derivative. <i>Advances in Difference Equations</i> , 2020, 2020, 299.	3.5	137
7	SEIR epidemic model for COVID-19 transmission by Caputo derivative of fractional order. <i>Advances in Difference Equations</i> , 2020, 2020, 490.	3.5	75
8	A new mathematical model for Zika virus transmission. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	73
9	On modelling of epidemic childhood diseases with the Caputo-Fabrizio derivative by using the Laplace Adomian decomposition method. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3029-3039.	6.4	67
10	A mathematical analysis of a system of Caputo-Fabrizio fractional differential equations for the anthrax disease model in animals. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	66
11	Some existence results for a nonlinear fractional differential equation on partially ordered Banach spaces. <i>Boundary Value Problems</i> , 2013, 2013, .	0.7	62
12	A mathematical theoretical study of a particular system of Caputo-Fabrizio fractional differential equations for the Rubella disease model. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	58
13	A novel modeling of boundary value problems on the glucose graph. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 100, 105844.	3.3	49
14	On a nonlinear fractional differential equation on partially ordered metric spaces. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	36
15	The existence of solutions for a nonlinear mixed problem of singular fractional differential equations. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	36
16	On the fractional SIRD mathematical model and control for the transmission of COVID-19: The first and the second waves of the disease in Iran and Japan. <i>ISA Transactions</i> , 2022, 124, 103-114.	5.7	29
17	Two sequential fractional hybrid differential inclusions. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	25
18	On the mathematical model of Rabies by using the fractional Caputo-Fabrizio derivative. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	24

#	ARTICLE	IF	CITATIONS
19	Positive Solutions of an Initial Value Problem for Nonlinear Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-7.	0.7	22
20	A study on the AH1N1/09 influenza transmission model with the fractional Caputo's Fabrizio derivative. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	16
21	A Complete Model of Crimean-Congo Hemorrhagic Fever (CCHF) Transmission Cycle with Nonlocal Fractional Derivative. <i>Journal of Function Spaces</i> , 2021, 2021, 1-12.	0.9	13
22	Criteria for existence of solutions for a Liouville's Caputo boundary value problem via generalized Gronwall's inequality. <i>Journal of Inequalities and Applications</i> , 2021, 2021, .	1.1	9
23	On a hybrid fractional Caputo's Hadamard boundary value problem with hybrid Hadamard integral boundary value conditions. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	9
24	On Chaos of Discrete Time Fractional Order Host-Immune-Tumor Cells Interaction Model. <i>Journal of Applied Mathematics and Computing</i> , 2022, 68, 4795-4820.	2.5	9
25	On partial fractional Sturm's Liouville equation and inclusion. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	3
26	Existence results on nonlinear fractional differential inclusions. <i>Boletim Da Sociedade Paranaense De Matematica</i> , 2021, 39, 23-30.	0.4	0
27	Application of fractional order differential equations in modeling viral disease transmission. , 2022, , 211-230.		0