

Delfim F M Torres

List of Publications by Year in descending order

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326
papers

9,292
citations

36303

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66911

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docs citations

342
times ranked

3234
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex network model for COVID-19: Human behavior, pseudo-periodic solutions and multiple epidemic waves. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 514, 125171.	1.0	32
2	Optimal control of a heroin epidemic mathematical model. <i>Optimization</i> , 2022, 71, 3107-3131.	1.7	3
3	Necessary optimality conditions of a reaction-diffusion SIR model with ABC fractional derivatives. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 621.	1.1	3
4	Fractional Modelling and Optimal Control of COVID-19 Transmission in Portugal. <i>Axioms</i> , 2022, 11, 170.	1.9	9
5	Weighted Generalized Fractional Integration by Parts and the Euler-Lagrange Equation. <i>Axioms</i> , 2022, 11, 178.	1.9	2
6	Taylor's Formula for Generalized Weighted Fractional Derivatives with Nonsingular Kernels. <i>Axioms</i> , 2022, 11, 231.	1.9	6
7	Existence Results for a Multipoint Fractional Boundary Value Problem in the Fractional Derivative Banach Space. <i>Axioms</i> , 2022, 11, 295.	1.9	0
8	Global stability of a diffusive SEIR epidemic model with distributed delay. , 2022, , 191-209.		0
9	Transport and optimal control of vaccination dynamics for COVID-19. , 2022, , 27-39.		1
10	Lyapunov functions and stability analysis of fractional-order systems. , 2022, , 125-136.		2
11	Stochastic SICA epidemic model with jump Lévy processes. , 2022, , 61-72.		1
12	Mathematical analysis, forecasting and optimal control of HIV/AIDS spatiotemporal transmission with a reaction diffusion SICA model. <i>AIMS Mathematics</i> , 2022, 7, 16519-16535.	1.6	1
13	Global Stability of a Caputo Fractional SIRS Model with General Incidence Rate. <i>Mathematics in Computer Science</i> , 2021, 15, 91-105.	0.4	19
14	A new spectral method based on two classes of hat functions for solving systems of fractional differential equations and an application to respiratory syncytial virus infection. <i>Soft Computing</i> , 2021, 25, 6745-6757.	3.6	8
15	Numerical solution of a class of third-kind Volterra integral equations using Jacobi wavelets. <i>Numerical Algorithms</i> , 2021, 86, 675-691.	1.9	10
16	A dynamically-consistent nonstandard finite difference scheme for the SICA model. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 4552-4571.	1.9	9
17	Modeling the Spread of Covid-19 Pandemic in Morocco. <i>Infosys Science Foundation Series</i> , 2021, , 599-615.	0.6	2
18	Farming awareness based optimum interventions for crop pest control. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 5364-5391.	1.9	11

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19	Focus point: cancer and HIV/AIDS dynamics”from optimality to modelling. European Physical Journal Plus, 2021, 136, 1.	2.6	8
20	Modeling and Forecasting of COVID-19 Spreading by Delayed Stochastic Differential Equations. Axioms, 2021, 10, 18.	1.9	33
21	Optimal control of the COVID-19 pandemic: controlled sanitary deconfinement in Portugal. Scientific Reports, 2021, 11, 3451.	3.3	56
22	Analysis of Hilfer Fractional Integro-Differential Equations with Almost Sectorial Operators. Fractal and Fractional, 2021, 5, 22.	3.3	23
23	Fractional model of COVID-19 applied to Galicia, Spain and Portugal. Chaos, Solitons and Fractals, 2021, 144, 110652.	5.1	60
24	Pest control using farming awareness: Impact of time delays and optimal use of biopesticides. Chaos, Solitons and Fractals, 2021, 146, 110869.	5.1	20
25	Mathematical Analysis of a Fractional COVID-19 Model Applied to Wuhan, Spain and Portugal. Axioms, 2021, 10, 135.	1.9	17
26	On a Non-Newtonian Calculus of Variations. Axioms, 2021, 10, 171.	1.9	7
27	Pontryagin Maximum Principle for Distributed-Order Fractional Systems. Mathematics, 2021, 9, 1883.	2.2	4
28	Control of COVID-19 dynamics through a fractional-order model. AEJ - Alexandria Engineering Journal, 2021, 60, 3587-3592.	6.4	40
29	Optimal Control Problems Involving Combined Fractional Operators with General Analytic Kernels. Mathematics, 2021, 9, 2355.	2.2	2
30	Cauchy’s formula on nonempty closed sets and a new notion of Riemann–Liouville fractional integral on time scales. Applied Mathematics Letters, 2021, 121, 107407.	2.7	9
31	Stability analysis and optimal control of a fractional HIV/AIDS epidemic model with memory and general incidence rate. European Physical Journal Plus, 2021, 136, 1.	2.6	14
32	Hybrid Method for Simulation of a Fractional COVID-19 Model with Real Case Application. Axioms, 2021, 10, 290.	1.9	12
33	Optimal control of an HIV model with a trilinear antibody growth function. Discrete and Continuous Dynamical Systems - Series S, 2021, .	1.1	3
34	Nabla Fractional Derivative and Fractional Integral on Time Scales. Axioms, 2021, 10, 317.	1.9	4
35	Numerical Solution of Variable-Order Fractional Differential Equations Using Bernoulli Polynomials. Fractal and Fractional, 2021, 5, 219.	3.3	5
36	A Discrete-Time Compartmental Epidemiological Model for COVID-19 with a Case Study for Portugal. Axioms, 2021, 10, 314.	1.9	5

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37	Model-free based control of a HIV/AIDS prevention model. <i>Mathematical Biosciences and Engineering</i> , 2021, 19, 759-774.	1.9	2
38	Fractional-Order Modelling and Optimal Control of Cholera Transmission. <i>Fractal and Fractional</i> , 2021, 5, 261.	3.3	12
39	Traveling wave solutions of some important Wick-type fractional stochastic nonlinear partial differential equations. <i>Chaos, Solitons and Fractals</i> , 2020, 131, 109542.	5.1	20
40	Numerical Optimal Control of HIV Transmission in Octave/MATLAB. <i>Mathematical and Computational Applications</i> , 2020, 25, 1.	1.3	13
41	Corrigendum to "Mathematical modeling of COVID-19 transmission dynamics with a case study of Wuhan" [<i>Chaos Solitons Fractals</i> 135 (2020), 109846]. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110311.	5.1	32
42	Application of Bernoulli Polynomials for Solving Variable-Order Fractional Optimal Control-Affine Problems. <i>Axioms</i> , 2020, 9, 114.	1.9	6
43	A New Compartmental Epidemiological Model for COVID-19 with a Case Study of Portugal. <i>Ecological Complexity</i> , 2020, 44, 100885.	2.9	26
44	A stochastic time-delayed model for the effectiveness of Moroccan COVID-19 deconfinement strategy. <i>Mathematical Modelling of Natural Phenomena</i> , 2020, 15, 50.	2.4	15
45	Lyapunov functions for fractional-order systems in biology: Methods and applications. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110224.	5.1	42
46	A Stochastic Fractional Calculus with Applications to Variational Principles. <i>Fractal and Fractional</i> , 2020, 4, 38.	3.3	10
47	Distributed-Order Non-Local Optimal Control. <i>Axioms</i> , 2020, 9, 124.	1.9	4
48	Mathematical Modeling of Japanese Encephalitis under Aquatic Environmental Effects. <i>Mathematics</i> , 2020, 8, 1880.	2.2	3
49	The Stability and Stabilization of Infinite Dimensional Caputo-Time Fractional Differential Linear Systems. <i>Mathematics</i> , 2020, 8, 353.	2.2	3
50	Mathematical modeling of COVID-19 transmission dynamics with a case study of Wuhan. <i>Chaos, Solitons and Fractals</i> , 2020, 135, 109846.	5.1	463
51	On SICA Models for HIV Transmission. <i>Studies in Systems, Decision and Control</i> , 2020, , 155-179.	1.0	3
52	Optimal Control of Aquatic Diseases: A Case Study of Yemen's Cholera Outbreak. <i>Journal of Optimization Theory and Applications</i> , 2020, 185, 1008-1030.	1.5	18
53	Regional enlarged observability of Caputo fractional differential equations. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020, 13, 1017-1029.	1.1	3
54	On Hermite-Hadamard type inequalities for harmonical h-convex interval-valued functions. <i>Mathematical Inequalities and Applications</i> , 2020, , 95-105.	0.2	10

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55	A New Mathematical Model for the Efficiency Calculation. Studies in Systems, Decision and Control, 2020, , 113-122.	1.0	0
56	Parametric Identification of the Dynamics of Inter-Sectoral Balance: Modelling and Forecasting. Studies in Systems, Decision and Control, 2020, , 133-143.	1.0	0
57	Errata to "Modeling and optimal control of HIV/AIDS prevention through PrEP", Discrete Contin. Dyn. Syst. Ser. S 11 (2018), no. 1,119â€“141. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 1619-1621.	1.1	1
58	A Survey on Sufficient Optimality Conditions for Delayed Optimal Control Problems. Studies in Systems, Decision and Control, 2020, , 323-342.	1.0	0
59	Direct transcription methods based on fractional integral approximation formulas for solving nonlinear fractional optimal control problems. Communications in Nonlinear Science and Numerical Simulation, 2019, 67, 334-350.	3.3	56
60	The Variable-Order Fractional Calculus of Variations. SpringerBriefs in Applied Sciences and Technology, 2019, , .	0.4	78
61	Expansion Formulas for Fractional Derivatives. SpringerBriefs in Applied Sciences and Technology, 2019, , 33-59.	0.4	0
62	The Fractional Calculus of Variations. SpringerBriefs in Applied Sciences and Technology, 2019, , 61-113.	0.4	1
63	Fractional Calculus. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-19.	0.4	2
64	Optimal Impulse Control of Dynamical Systems. SIAM Journal on Control and Optimization, 2019, 57, 2720-2752.	2.1	9
65	A finite element approximation for a class of Caputo time-fractional diffusion equations. Computers and Mathematics With Applications, 2019, 78, 1334-1344.	2.7	26
66	Stability of a fractional HIV/AIDS model. Mathematics and Computers in Simulation, 2019, 164, 180-190.	4.4	49
67	A numerical approach for solving fractional optimal control problems using modified hat functions. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104849.	3.3	41
68	A collocation method of lines for twoâ€“sided spaceâ€“fractional advectionâ€“diffusion equations with variable coefficients. Mathematical Methods in the Applied Sciences, 2019, 42, 3465-3480.	2.3	4
69	Optimal control of a nonlocal thermistor problem with ABC fractional time derivatives. Computers and Mathematics With Applications, 2019, 78, 1507-1516.	2.7	9
70	Functional characterizations of trace spaces in Lipschitz domains. Banach Journal of Mathematical Analysis, 2019, 13, 407-426.	0.8	4
71	Variable Order Mittagâ€“Leffler Fractional Operators on Isolated Time Scales and Application to the Calculus of Variations. Studies in Systems, Decision and Control, 2019, , 35-47.	1.0	2
72	Solutions of systems with the Caputoâ€“Fabrizio fractional delta derivative on time scales. Nonlinear Analysis: Hybrid Systems, 2019, 32, 168-176.	3.5	30

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73	A space-time pseudospectral discretization method for solving diffusion optimal control problems with two-sided fractional derivatives. JVC/Journal of Vibration and Control, 2019, 25, 1080-1095.	2.6	12
74	Exact solution to a dynamic SIR model. Nonlinear Analysis: Hybrid Systems, 2019, 32, 228-238.	3.5	43
75	Fractional Order Version of the Hamilton-Jacobi-Bellman Equation. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	1.2	3
76	Some inequalities for interval-valued functions on time scales. Soft Computing, 2019, 23, 6005-6015.	3.6	26
77	Time-Fractional Optimal Control of Initial Value Problems on Time Scales. Springer Proceedings in Mathematics and Statistics, 2019, , 229-242.	0.2	4
78	Analysis of fractional integro-differential equations of thermistor type. , 2019, , 327-346.		3
79	A survey on fractional variational calculus. , 2019, , 347-360.		1
80	Analysis of a SIRI Epidemic Model with Distributed Delay and Relapse. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	13
81	The Risk of Contagion Spreading and its Optimal Control in the Economy. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	2
82	A Minimal HIV-AIDS Infection Model with General Incidence Rate and Application to Morocco Data. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	7
83	Optimal Control and Sensitivity Analysis of a Fractional Order TB Model. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	12
84	The spread of a financial virus through Europe and beyond. AIMS Mathematics, 2019, 4, 86-98.	1.6	6
85	A sufficient optimality condition for delayed state-linear optimal control problems. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 2293-2313.	0.9	1
86	The Portuguese Meeting in Biomathematics. Statistics, Optimization and Information Computing, 2019, 7, .	0.7	0
87	The effect of immigrant communities coming from higher incidence tuberculosis regions to a host country. Ricerche Di Matematica, 2018, 67, 89-112.	1.0	7
88	Analysis and Optimal Control of an Intracellular Delayed HIV Model with CTL Immune Response. Mathematics in Computer Science, 2018, 12, 111-127.	0.4	20
89	Banking Risk as an Epidemiological Model: An Optimal Control Approach. Springer Proceedings in Mathematics and Statistics, 2018, , 165-176.	0.2	7
90	Mathematical modeling of Zika disease in pregnant women and newborns with microcephaly in Brazil. Mathematical Methods in the Applied Sciences, 2018, 41, 8929-8941.	2.3	41

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91	Multiobjective optimization to a TB-HIV/AIDS coinfection optimal control problem. Computational and Applied Mathematics, 2018, 37, 2112-2128.	1.3	13
92	Combined fractional variational problems of variable order and some computational aspects. Journal of Computational and Applied Mathematics, 2018, 339, 374-388.	2.0	16
93	Lyapunov-type inequality for a fractional boundary value problem with natural conditions. SeMA Journal, 2018, 75, 157-162.	2.0	14
94	Stability and optimal control of a delayed HIV model. Mathematical Methods in the Applied Sciences, 2018, 41, 2251-2260.	2.3	36
95	Existence and uniqueness results for a fractional Riemannâ€Liouville nonlocal thermistor problem on arbitrary time scales. Journal of King Saud University - Science, 2018, 30, 381-385.	3.5	13
96	Existence theorems for a nonlinear second-order distributional differential equation. Journal of King Saud University - Science, 2018, 30, 527-530.	3.5	4
97	A survey on fuzzy fractional differential and optimal control nonlocal evolution equations. Journal of Computational and Applied Mathematics, 2018, 339, 3-29.	2.0	134
98	Enlarged Controllability of Riemannâ€Liouville Fractional Differential Equations. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	9
99	Regional Enlarged Observability of Fractional Differential Equations with Riemannâ€Liouville Time Derivatives. Axioms, 2018, 7, 92.	1.9	2
100	Novel Results on Hermiteâ€Hadamard Kind Inequalities for η -Convex Functions by Means of (k, \mathcal{A}) -Fractional Integral Operators. Trends in Mathematics, 2018, , 311-321.	0.1	9
101	Optimal control of a fractional order epidemic model with application to human respiratory syncytial virus infection. Chaos, Solitons and Fractals, 2018, 117, 142-149.	5.1	51
102	Uniform asymptotic stability of a fractional tuberculosis model. Mathematical Modelling of Natural Phenomena, 2018, 13, 9.	2.4	31
103	A stochastic SICA epidemic model for HIV transmission. Applied Mathematics Letters, 2018, 84, 168-175.	2.7	80
104	The Fuzzy Henstockâ€Kurzweil Delta Integral on Time Scales. Springer Proceedings in Mathematics and Statistics, 2018, , 525-541.	0.2	1
105	Approximate controllability of impulsive non-local non-linear fractional dynamical systems and optimal control. Miskolc Mathematical Notes, 2018, 19, 255.	0.6	3
106	A simple mathematical model for unemployment: a case study in Portugal with optimal control. Statistics, Optimization and Information Computing, 2018, 6, .	0.7	6
107	Parameter Estimation, Sensitivity Analysis and Optimal Control of a Periodic Epidemic Model with Application to HRSV in Florida. Statistics, Optimization and Information Computing, 2018, 6, .	0.7	24
108	Optimal control of a delayed HIV model. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 443-458.	0.9	7

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109	A necessary condition of Pontryagin type for fuzzy fractional optimal control problems. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 59-76.	1.1	8
110	Noether currents for higher-order variational problems of Herglotz type with time delay. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 91-102.	1.1	12
111	Modeling and optimal control of HIV/AIDS prevention through PrEP. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 119-141.	1.1	22
112	Fractional Herglotz variational problems of variable order. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 143-154.	1.1	13
113	Optimal control of non-autonomous SEIRS models with vaccination and treatment. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 1179-1199.	1.1	6
114	Ebola model and optimal control with vaccination constraints. <i>Journal of Industrial and Management Optimization</i> , 2018, 14, 427-446.	1.3	46
115	A cholera mathematical model with vaccination and the biggest outbreak of world's history. <i>AIMS Mathematics</i> , 2018, 3, 448-463.	1.6	25
116	Enhancement of chemotherapy using oncolytic virotherapy: Mathematical and optimal control analysis. <i>Mathematical Biosciences and Engineering</i> , 2018, 15, 1435-1463.	1.9	44
117	Existence of positive solutions to a discrete fractional boundary value problem and corresponding Lyapunov-type inequalities. <i>Opuscula Mathematica</i> , 2018, 38, 31.	0.8	13
118	The Cape Verde International Days on Mathematics 2017. <i>Statistics, Optimization and Information Computing</i> , 2018, 6, .	0.7	0
119	Structural derivatives on time scales. <i>Communications Faculty of Science University of Ankara Series A1 Mathematics and Statistics</i> , 2018, 68, 1186-1196.	0.5	2
120	Existence of solution to a nonlocal conformable fractional thermistor problem. <i>Communications Faculty of Science University of Ankara Series A1 Mathematics and Statistics</i> , 2018, 68, 1061-1072.	0.5	3
121	Optimal Solutions to Relaxation in Multiple Control Problems of Sobolev Type with Nonlocal Nonlinear Fractional Differential Equations. <i>Journal of Optimization Theory and Applications</i> , 2017, 174, 7-31.	1.5	34
122	Existence of solution to a local fractional nonlinear differential equation. <i>Journal of Computational and Applied Mathematics</i> , 2017, 312, 127-133.	2.0	72
123	A Simple Accurate Method for Solving Fractional Variational and Optimal Control Problems. <i>Journal of Optimization Theory and Applications</i> , 2017, 174, 156-175.	1.5	32
124	Predicting and controlling the Ebola infection. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 6155-6164.	2.3	30
125	Galerkin spectral method for the fractional nonlocal thermistor problem. <i>Computers and Mathematics With Applications</i> , 2017, 73, 1077-1086.	2.7	6
126	A generalized Lyapunov's inequality for a fractional boundary value problem. <i>Journal of Computational and Applied Mathematics</i> , 2017, 312, 192-197.	2.0	38

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127	Constrained fractional variational problems of variable order. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 80-88.	13.1	11
128	Chain rules and inequalities for the BHT fractional calculus on arbitrary timescales. Arabian Journal of Mathematics, 2017, 6, 13-20.	0.9	21
129	A fractional Gauss-Jacobi quadrature rule for approximating fractional integrals and derivatives. Chaos, Solitons and Fractals, 2017, 102, 295-304.	5.1	7
130	Fractional Herglotz variational principles with generalized Caputo derivatives. Chaos, Solitons and Fractals, 2017, 102, 94-98.	5.1	23
131	Non-differentiable Solutions for Local Fractional Nonlinear Riccati Differential Equations. Fundamenta Informaticae, 2017, 151, 409-417.	0.4	14
132	Variational calculus with conformable fractional derivatives. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 340-352.	13.1	55
133	A SICA compartmental model in epidemiology with application to HIV/AIDS in Cape Verde. Ecological Complexity, 2017, 30, 70-75.	2.9	56
134	Optimal Spraying in Biological Control of Pests. Mathematical Modelling of Natural Phenomena, 2017, 12, 51-64.	2.4	7
135	Symmetric duality for left and right Riemann-Liouville and Caputo fractional differences. Arab Journal of Mathematical Sciences, 2017, 23, 157-172.	0.4	15
136	An epidemic model for cholera with optimal control treatment. Journal of Computational and Applied Mathematics, 2017, 318, 168-180.	2.0	60
137	Linear and Nonlinear Fractional Voigt Models. Lecture Notes in Electrical Engineering, 2017, , 157-167.	0.4	3
138	Generalized fractional operators on time scales with application to dynamic equations. European Physical Journal: Special Topics, 2017, 226, 3489-3499.	2.6	15
139	Mathematical Modeling and Control of Infectious Diseases. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-1.	1.3	10
140	Hyperchaotic Fractional-Order Systems and Their Applications. Complexity, 2017, 2017, 1-1.	1.6	1
141	Global existence of solutions for a fractional Caputo nonlocal thermistor problem. Advances in Difference Equations, 2017, 2017, .	3.5	2
142	Direct and Inverse Variational Problems on Time Scales: A Survey. Springer Proceedings in Mathematics and Statistics, 2017, , 223-265.	0.2	4
143	On a Fractional Oscillator Equation with Natural Boundary Conditions. Progress in Fractional Differentiation and Applications, 2017, 3, 191-197.	0.6	19
144	On the Henstock-Kurzweil integral for Riesz-space-valued functions on time scales. Journal of Nonlinear Science and Applications, 2017, 10, 2487-2500.	1.0	3

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145	General fractional-order anomalous diffusion with non-singular power-law kernel. <i>Thermal Science</i> , 2017, 21, 1-9.	1.1	32
146	Optimal control of a Tuberculosis model with state and control delays. <i>Mathematical Biosciences and Engineering</i> , 2017, 14, 321-337.	1.9	53
147	Generalized weighted Ostrowski and Ostrowski-Gr ¹ / ₄ ss type inequalities on time scales via a parameter function. <i>Journal of Mathematical Inequalities</i> , 2017, , 1185-1199.	0.9	7
148	Helmholtz Theorem for Nondifferentiable Hamiltonian Systems in the Framework of Cresson TM s Quantum Calculus. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-8.	0.9	0
149	Exponentials and Laplace transforms on nonuniform time scales. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 39, 252-270.	3.3	24
150	Complex-Valued Fractional Derivatives on Time Scales. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 79-87.	0.2	8
151	Approximated analytical solution to an Ebola optimal control problem. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2016, 17, 382-390.	2.1	8
152	Dynamics and Optimal Control of Ebola Transmission. <i>Mathematics in Computer Science</i> , 2016, 10, 331-342.	0.4	58
153	Seasonality effects on dengue: basic reproduction number, sensitivity analysis and optimal control. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 4671-4679.	2.3	32
154	Caputo derivatives of fractional variable order: Numerical approximations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 35, 69-87.	3.3	142
155	Existence and uniqueness of solution for a fractional Riemann ^{Liouville} initial value problem on time scales. <i>Journal of King Saud University - Science</i> , 2016, 28, 87-92.	3.5	36
156	A conformable fractional calculus on arbitrary time scales. <i>Journal of King Saud University - Science</i> , 2016, 28, 93-98.	3.5	143
157	Nonsymmetric and symmetric fractional calculi on arbitrary nonempty closed sets. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 261-279.	2.3	15
158	A Hukuhara approach to the study of hybrid fuzzy systems on time scales. <i>Applicable Analysis and Discrete Mathematics</i> , 2016, 10, 152-167.	0.7	10
159	Mathematical Modelling, Simulation, and Optimal Control of the 2014 Ebola Outbreak in West Africa. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-9.	0.9	83
160	Sobolev Type Fractional Dynamic Equations and Optimal Multi-Integral Controls with Fractional Nonlocal Conditions. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 95-121.	2.2	68
161	Pressure responses of a vertically hydraulic fractured well in a reservoir with fractal structure. <i>Applied Mathematics and Computation</i> , 2015, 257, 374-380.	2.2	28
162	Advanced Methods in the Fractional Calculus of Variations. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2015, , .	0.4	98

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163	Fractional Calculus. SpringerBriefs in Applied Sciences and Technology, 2015, , 7-21.	0.4	2
164	Computing Hadamard type operators of variable fractional order. Applied Mathematics and Computation, 2015, 257, 74-88.	2.2	16
165	Generalized fractional operators for nonstandard Lagrangians. Mathematical Methods in the Applied Sciences, 2015, 38, 1808-1812.	2.3	6
166	Optimality conditions for fractional variational problems with dependence on a combined Caputo derivative of variable order. Optimization, 2015, 64, 1381-1391.	1.7	21
167	The Diamond Integral on Time Scales. Bulletin of the Malaysian Mathematical Sciences Society, 2015, 38, 1453-1462.	0.9	20
168	Multiobjective approach to optimal control for a tuberculosis model. Optimization Methods and Software, 2015, 30, 893-910.	2.4	20
169	Coexistence of two dengue virus serotypes and forecasting for Madeira Island. Operations Research for Health Care, 2015, 7, 122-131.	1.2	9
170	Duality for the left and right fractional derivatives. Signal Processing, 2015, 107, 265-271.	3.7	40
171	Solving Abel integral equations of first kind via fractional calculus. Journal of King Saud University - Science, 2015, 27, 161-167.	3.5	25
172	A fractional calculus on arbitrary time scales: Fractional differentiation and fractional integration. Signal Processing, 2015, 107, 230-237.	3.7	65
173	A discrete method to solve fractional optimal control problems. Nonlinear Dynamics, 2015, 80, 1811-1816.	5.2	64
174	Optimal Control of Tuberculosis: A Review. CIM Series in Mathematical Sciences, 2015, , 701-722.	0.4	12
175	An Optimal Control Approach to Herglotz Variational Problems. Communications in Computer and Information Science, 2015, , 107-117.	0.5	12
176	Multiobjective approach to optimal control for a dengue transmission model. Statistics, Optimization and Information Computing, 2015, 3, .	0.7	3
177	Variational problems of Herglotz type with time delay: DuBois–Reymond condition and Noether's first theorem. Discrete and Continuous Dynamical Systems, 2015, 35, 4593-4610.	0.9	36
178	A TB-HIV/AIDS coinfection model and optimal control treatment. Discrete and Continuous Dynamical Systems, 2015, 35, 4639-4663.	0.9	64
179	Dengue in Madeira Island. CIM Series in Mathematical Sciences, 2015, , 593-605.	0.4	4
180	Standard Methods in Fractional Variational Calculus. SpringerBriefs in Applied Sciences and Technology, 2015, , 31-82.	0.4	0

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181	Multiobjective approach to optimal control for a dengue transmission model. <i>Statistics, Optimization and Information Computing</i> , 2015, 3, .	0.7	1
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