Savin Treanta

List of Publications by Year
in descending order

80 papers	917 citations	516215 16 h-index	610482 24 g-index
82 all docs	82 docs citations	82 times ranked	143 citing authors

#	Article	IF	Citations
1	Saddle-point optimality criteria involving (*p*, *b*, *d*)-invexity and (*p*, *b*,) Tj ETQq1 1 0.784314 rgBT /Over 2022, 95, 1042-1050.	1.2	12
2	Characterization results of solutions in interval-valued optimization problems with mixed constraints. Journal of Global Optimization, 2022, 82, 951-964.	1.1	19
3	LU-Optimality Conditions in Optimization Problems With Mechanical Work Objective Functionals. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4971-4978.	7.2	10
4	Well-posedness for multi-time variational inequality problems via generalized monotonicity and for variational problems with multi-time variational inequality constraints. Journal of Computational and Applied Mathematics, 2022, 407, 114033.	1.1	7
5	Generalized p-Convex Fuzzy-Interval-Valued Functions and Inequalities Based upon the Fuzzy-Order Relation. Fractal and Fractional, 2022, 6, 63.	1.6	19
6	Riemann–Liouville Fractional Integral Inequalities for Generalized Pre-Invex Functions of Interval-Valued Settings Based upon Pseudo Order Relation. Mathematics, 2022, 10, 204.	1.1	25
7	On a class of interval-valued optimization problems. Continuum Mechanics and Thermodynamics, 2022, 34, 617-626.	1.4	7
8	Fractional Calculus for Convex Functions in Interval-Valued Settings and Inequalities. Symmetry, 2022, 14, 341.	1.1	9
9	Minty Variational Principle for Nonsmooth Interval-Valued Vector Optimization Problems on Hadamard Manifolds. Mathematics, 2022, 10, 523.	1.1	9
10	Some Fuzzy Riemann–Liouville Fractional Integral Inequalities for Preinvex Fuzzy Interval-Valued Functions. Symmetry, 2022, 14, 313.	1.1	8
11	Some New Concepts Related to Integral Operators and Inequalities on Coordinates in Fuzzy Fractional Calculus. Mathematics, 2022, 10, 534.	1.1	9
12	Some Hadamard–Fejér Type Inequalities for LR-Convex Interval-Valued Functions. Fractal and Fractional, 2022, 6, 6.	1.6	27
13	Some integral inequalities in interval fractional calculus for left and right coordinated interval-valued functions. AIMS Mathematics, 2022, 7, 10454-10482.	0.7	6
14	Some New Versions of Integral Inequalities for Left and Right Preinvex Functions in the Interval-Valued Settings. Mathematics, 2022, 10, 611.	1.1	9
15	Mond-Weir and Wolfe Duality of Set-Valued Fractional Minimax Problems in Terms of Contingent Epi-Derivative of Second-Order. Mathematics, 2022, 10, 938.	1.1	2
16	Optimality for Control Problem with PDEs of Second-Order as Constraints. Mathematics, 2022, 10, 977.	1.1	4
17	On Some Constrained Optimization Problems. Mathematics, 2022, 10, 818.	1.1	2
18	Hermite-Hadamard Inequalities in Fractional Calculus for Left and Right Harmonically Convex Functions via Interval-Valued Settings. Fractal and Fractional, 2022, 6, 178.	1.6	23

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19	On symmetric gH-derivative: Applications to dual interval-valued optimization problems. Chaos, Solitons and Fractals, 2022, 158, 112068.	2.5	13
20	On Some Variational Inequalities Involving Second-Order Partial Derivatives. Fractal and Fractional, 2022, 6, 236.	1.6	4
21	New class of convex interval-valued functions and Riemann Liouville fractional integral inequalities. AIMS Mathematics, 2022, 7, 15497-15519.	0.7	10
22	On some vector variational inequalities and optimization problems. AIMS Mathematics, 2022, 7, 14434-14443.	0.7	7
23	Optimality conditions and duality for multiobjective semi-infinite programming problems on Hadamard manifolds using generalized geodesic convexity. RAIRO - Operations Research, 2022, 56, 2037-2065.	1.0	13
24	Robust optimality in constrained optimization problems with application in mechanics. Journal of Mathematical Analysis and Applications, 2022, 515, 126440.	0.5	4
25	Some new Riemann-Liouville fractional integral inequalities for interval-valued mappings. AIMS Mathematics, 2022, 7, 15659-15679.	0.7	12
26	Advances in Optimization and Nonlinear Analysis. Fractal and Fractional, 2022, 6, 364.	1.6	0
27	Optimal control problems with fundamental tensor evolution. Journal of Control and Decision, 2021, 8, 243-249.	0.7	2
28	Weak sharp solutions associated with a multidimensional variational-type inequality. Positivity, 2021, 25, 329-351.	0.3	13
29	Efficiency in uncertain variational control problems. Neural Computing and Applications, 2021, 33, 5719-5732.	3.2	30
30	On a Class of Differential Variational Inequalities in Infinite-Dimensional Spaces. Mathematics, 2021, 9, 266.	1.1	3
31	On a Class of Constrained Interval-Valued Optimization Problems Governed by Mechanical Work Cost Functionals. Journal of Optimization Theory and Applications, 2021, 188, 913-924.	0.8	21
32	Characterization results of weak sharp solutions for split variational inequalities with application to traffic analysis. Annals of Operations Research, 2021, 302, 265-287.	2.6	2
33	On a Dual Pair of Multiobjective Interval-Valued Variational Control Problems. Mathematics, 2021, 9, 893.	1.1	7
34	Duality Theorems for (ρ,ψ,d)-Quasiinvex Multiobjective Optimization Problems with Interval-Valued Components. Mathematics, 2021, 9, 894.	1.1	6
35	On a Class of Isoperimetric Constrained Controlled Optimization Problems. Axioms, 2021, 10, 112.	0.9	9
36	Second-Order PDE Constrained Controlled Optimization Problems with Application in Mechanics. Mathematics, 2021, 9, 1472.	1.1	6

#	Article	IF	Citations
37	On a Class of Second-Order PDE&PDI Constrained Robust Modified Optimization Problems. Mathematics, 2021, 9, 1473.	1.1	7
38	On Robust Saddle-Point Criterion in Optimization Problems with Curvilinear Integral Functionals. Mathematics, 2021, 9, 1790.	1.1	9
39	Robust saddle‐point criterion in second‐order partial differential equation and partial differential inequation constrained control problems. International Journal of Robust and Nonlinear Control, 2021, 31, 9282-9293.	2.1	15
40	Well Posedness of New Optimization Problems with Variational Inequality Constraints. Fractal and Fractional, 2021, 5, 123.	1.6	7
41	On well-posed isoperimetric-type constrained variational control problems. Journal of Differential Equations, 2021, 298, 480-499.	1.1	17
42	On a class of differential quasi-variational-hemivariational inequalities in infinite-dimensional Banach spaces. Evolution Equations and Control Theory, 2021, .	0.7	0
43	On well-posedness associated with a class of controlled variational inequalities. Mathematical Modelling of Natural Phenomena, 2021, 16, 52.	0.9	8
44	On Well-Posedness of Some Constrained Variational Problems. Mathematics, 2021, 9, 2478.	1.1	4
45	On Constrained Set-Valued Semi-Infinite Programming Problems with Ï•Cone Arcwise Connectedness. Axioms, 2021, 10, 302.	0.9	3
46	Optimality Conditions and Duality for a Class of Generalized Convex Interval-Valued Optimization Problems. Mathematics, 2021, 9, 2979.	1.1	14
47	Constrained variational problems governed by second-order Lagrangians. Applicable Analysis, 2020, 99, 1467-1484.	0.6	33
48	Efficiency in generalised V-KT-pseudoinvex control problems. International Journal of Control, 2020, 93, 611-618.	1.2	19
49	A necessary and sufficient condition on the equivalence between local and global optimal solutions in variational control problems. Nonlinear Analysis: Theory, Methods & Applications, 2020, 191, 111640.	0.6	16
50	On Controlled Variational Inequalities Involving Convex Functionals. Advances in Intelligent Systems and Computing, 2020, , 164-174.	0.5	5
51	On a modified optimal control problem with first-order PDE constraints and the associated saddle-point optimality criterion. European Journal of Control, 2020, 51, 1-9.	1.6	39
52	A necessary and sufficient condition of optimality for a class of multidimensional control problems. Optimal Control Applications and Methods, 2020, 41, 2137-2148.	1.3	18
53	On Modified Interval-Valued Variational Control Problems with First-Order PDE Constraints. Symmetry, 2020, 12, 472.	1.1	13
54	Saddle‐point optimality criteria in modified variational control problems with partial differential equation constraints. Optimal Control Applications and Methods, 2020, 41, 1160-1175.	1.3	12

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55	On the Kernel of a Polynomial of Scalar Derivations. Mathematics, 2020, 8, 515.	1.1	5
56	Gradient Structures Associated with a Polynomial Differential Equation. Mathematics, 2020, 8, 535.	1.1	8
57	On Geodesic Behavior of Some Special Curves. Symmetry, 2020, 12, 504.	1.1	0
58	On a global efficiency criterion in multiobjective variational control problems with path-independent curvilinear integral cost functionals. Annals of Operations Research, 2020, , 1.	2.6	5
59	Efficiency for variational control problems on Riemann manifolds with geodesic quasiinvex curvilinear integral functionals. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	0.6	15
60	On weak sharp solutions in $(ho , \mathbf{b}, \mathbf{d})$-variational inequalities. Journal of Inequalities and Applications, 2020, 2020, .	0.5	7
61	Characterization of efficient solutions for a class of PDE-constrained vector control problems. Numerical Algebra, Control and Optimization, 2020, 10, 93-106.	1.0	7
62	Some results on (ϊ, b, d)-variational inequalities. Journal of Mathematical Inequalities, 2020, , 805-818.	0.5	11
63	Noether-Type First Integrals Associated with Autonomous Second-Order Lagrangians. Symmetry, 2019, 11, 1088.	1.1	7
64	Duality with (ϊ, b) â€" quasiinvexity for multidimensional vector fractional control problems. Journal of Information and Optimization Sciences, 2019, 40, 1429-1445.	0.2	12
65	On Locally and Globally Optimal Solutions in Scalar Variational Control Problems. Mathematics, 2019, 7, 829.	1.1	4
66	On Signomial Constrained Optimal Control Problems. Communications in Advanced Mathematical Sciences, 2019, 2, 55-59.	0.3	1
67	Higher-order Hamilton dynamics and Hamiltonâ€"Jacobi divergence PDE. Computers and Mathematics With Applications, 2018, 75, 547-560.	1.4	29
68	Efficiency conditions in vector control problems governed by multiple integrals. Journal of Applied Mathematics and Computing, 2018, 57, 647-665.	1.2	77
69	KTâ€pseudoinvex multidimensional control problem. Optimal Control Applications and Methods, 2018, 39, 1291-1300.	1.3	39
70	On a New Class of Vector Variational Control Problems. Numerical Functional Analysis and Optimization, 2018, 39, 1594-1603.	0.6	16
71	On generalized KT-pseudoinvex control problems involving multiple integral functionals. European Journal of Control, 2018, 43, 39-45.	1.6	26
72	Optimization on the distribution of population densities and the arrangement of urban activities. Statistics, Optimization and Information Computing, 2018, 6, .	0.4	2

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73	Local uncontrollability for affine control systems with jumps. International Journal of Control, 2017, 90, 1893-1902.	1.2	3
74	Single-Time and Multi-Time Hamilton–Jacobi Theory Based on Higher Order Lagrangians. , 2017, , 71-95.		2
75	Multiobjective Fractional Variational Problem on Higher-Order Jet Bundles. Communications in Mathematics and Statistics, 2016, 4, 323-340.	0.9	25
76	Weak small controls and approximations associated with controllable affine control systems. Journal of Differential Equations, 2013, 255, 1867-1882.	1.1	7
77	On a class of controlled differential variational inequalities. Applicable Analysis, 0, , 1-21.	0.6	0
78	On a class of variational-type inequalities involving curvilinear integral functionals. Optimization, 0, , 1-19.	1.0	0
79	Constrained controlled optimization problems involving second-order derivatives. Quaestiones Mathematicae, 0, , 1-11.	0.2	1
80	Lagrange-Hamilton Approach in Optimization Problems with Isoperimetric-Type Constraints. Journal of Optimization Theory and Applications, 0, , .	0.8	0