Nicolae Popovici

List of Publications by Year
in descending order

31	247	1162367 8	996533 15
papers	citations	h-index	g-index

33	33	33	109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A characterization of quasiconvex vector-valued functions. Proceedings of the American Mathematical Society, 2002, 131, 1109-1113.	0.4	40
2	Characterizations of convex and quasiconvex set-valued maps. Mathematical Methods of Operations Research, 2003, 57, 427-435.	0.4	37
3	Pareto reducible multicriteria optimization problems. Optimization, 2005, 54, 253-263.	1.0	28
4	The Structure of the Efficient Frontier of Finite-Dimensional Completely-Shaded Sets. Journal of Mathematical Analysis and Applications, 2000, 250, 98-117.	0.5	14
5	A systematization of convexity and quasiconvexity concepts for set-valued maps, defined byl-type andu-type preorder relations. Optimization, 2018, 67, 1077-1094.	1.0	14
6	Structure of efficient sets in lexicographic quasiconvex multicriteria optimization. Operations Research Letters, 2006, 34, 142-148.	0.5	13
7	Explicitly quasiconvex set-valued optimization. Journal of Global Optimization, 2007, 38, 103-118.	1.1	12
8	Generalized convex set-valued maps. Journal of Mathematical Analysis and Applications, 2003, 288, 161-166.	0.5	10
9	Contractibility of the Efficient Frontier of Three-Dimensional Simply-Shaded Sets. Journal of Optimization Theory and Applications, 2001, 111, 81-116.	0.8	9
10	A new algorithm for solving planar multiobjective location problems involving the Manhattan norm. European Journal of Operational Research, 2017, 258, 35-46.	3.5	9
11	Scalar characterizations of weakly cone-convex and weakly cone-quasiconvex functions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 1909-1915.	0.6	8
12	Arcwise cone-quasiconvex multicriteria optimization. Operations Research Letters, 2010, 38, 143-146.	0.5	7
13	A Characterization of Cone-Convexity for Set-Valued Functions by Cone-Quasiconvexity. Set-Valued and Variational Analysis, 2015, 23, 295-304.	0.5	6
14	A special class of extended multicriteria location problems. Optimization, 2015, 64, 1305-1320.	1.0	5
15	Traffic assignment: Methods and simulations for an alternative formulation of the fixed demand problem. Mathematics and Computers in Simulation, 2019, 155, 360-373.	2.4	5
16	Between quasi-convex and convex set-valued mappings. Applied Mathematics Letters, 2004, 17, 245-247.	1.5	4
17	Involving the Helly number in Pareto reducibility. Operations Research Letters, 2008, 36, 173-176.	0.5	4
18	Local maximum points of explicitly quasiconvex functions. Optimization Letters, 2015, 9, 769-777.	0.9	4

#	Article	IF	Citations
19	Unifying localâ€“global type properties in vector optimization. Journal of Global Optimization, 2018, 72, 155-179.	1.1	4
20	New algorithms for discrete vector optimization based on the Graef-Younes method and cone-monotone sorting functions. Optimization, 2018, 67, 975-1003.	1.0	3
21	Scalarization and decomposition of vector variational inequalities governed by bifunctions. Optimization, 2013, 62, 735-742.	1.0	2
22	Convexity-preserving properties of set-valued ratios of affine functions. Studia Universitatis Babes-Bolyai Mathematica, 2021, 66, 591-602.	0.1	2
23	Bicriteria Linear Fractional Optimization. Lecture Notes in Economics and Mathematical Systems, 2000, , 305-319.	0.3	2
24	Decomposition of generalized vector variational inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1516-1523.	0.6	1
25	A decomposition approach to vector equilibrium problems. Annals of Operations Research, 2017, 251, 105-115.	2.6	1
26	Traffic assignment: on the interplay between optimization and equilibrium problems. Optimization, 2020, 69, 1773-1790.	1.0	1
27	A characterization of cone-convex vector-valued functions. Carpathian Journal of Mathematics, 2016, 32, 79-85.	0.4	1
28	On strictly minimal elements w.r.t. preorder relations in set-valued optimization. Applied Set-Valued Analysis and Optimization, 2019, 1, .	0.3	1
29	On Directed Sets and their Suprema. Positivity, 2007, 11, 155-169.	0.3	0
30	Preface: special issue of JOGOâ€“GCM10. Journal of Global Optimization, 2013, 57, 613-615.	1.1	0
31	Modelling equilibrium for a multi-criteria selfish routing network equilibrium flow problem. Mathematics and Computers in Simulation, 2021, , .	2.4	0