

Vicente Novo

List of Publications by Year in descending order

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79
papers

1,454
citations

304743

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h-index

395702

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g-index

81
all docs

81
docs citations

81
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Error bound analysis for vector equilibrium problems with partial order provided by a polyhedral cone. <i>Journal of Global Optimization</i> , 2022, 82, 139-159.	1.8	8
2	On Relatively Solid Convex Cones in Real Linear Spaces. <i>Journal of Optimization Theory and Applications</i> , 2021, 188, 277-290.	1.5	4
3	Six set scalarizations based on the oriented distance: continuity, convexity and application to convex set optimization. <i>Mathematical Methods of Operations Research</i> , 2021, 93, 413-436.	1.0	10
4	Six set scalarizations based on the oriented distance: properties and application to set optimization. <i>Optimization</i> , 2020, 69, 437-470.	1.7	16
5	Characterization of set relations through extensions of the oriented distance. <i>Mathematical Methods of Operations Research</i> , 2020, 91, 89-115.	1.0	21
6	A unified concept of approximate and quasi efficient solutions and associated subdifferentials in multiobjective optimization. <i>Mathematical Programming</i> , 2020, 189, 379.	2.4	3
7	Necessary Conditions for Nondominated Solutions in Vector Optimization. <i>Journal of Optimization Theory and Applications</i> , 2020, 186, 826-842.	1.5	2
8	Optimality conditions for approximate proper solutions in multiobjective optimization with polyhedral cones. <i>Top</i> , 2020, 28, 526-544.	1.6	4
9	Lagrange Multipliers in Convex Set Optimization with the Set and Vector Criteria. <i>Vietnam Journal of Mathematics</i> , 2020, 48, 345-362.	0.8	3
10	Limit Behavior of Approximate Proper Solutions in Vector Optimization. <i>SIAM Journal on Optimization</i> , 2019, 29, 2677-2696.	2.0	7
11	Variants of the Ekeland variational principle for approximate proper solutions of vector equilibrium problems. <i>Journal of Global Optimization</i> , 2019, 74, 361-382.	1.8	9
12	A note on existence of weak efficient solutions for vector equilibrium problems. <i>Optimization Letters</i> , 2018, 12, 615-623.	1.6	6
13	Nonlinear scalarization in multiobjective optimization with a polyhedral ordering cone. <i>International Transactions in Operational Research</i> , 2018, 25, 763-779.	2.7	9
14	Approximate solutions of vector optimization problems via improvement sets in real linear spaces. <i>Journal of Global Optimization</i> , 2018, 70, 875-901.	1.8	13
15	A set scalarization function based on the oriented distance and relations with other set scalarizations. <i>Optimization</i> , 2018, 67, 2091-2116.	1.7	16
16	Ekeland Variational Principles in Vector Equilibrium Problems. <i>SIAM Journal on Optimization</i> , 2017, 27, 2405-2425.	2.0	23
17	Sequential $\hat{\mu}$ -Subdifferential Calculus for Scalar and Vector Mappings. <i>Set-Valued and Variational Analysis</i> , 2017, 25, 383-403.	1.1	4
18	On Hadamard well-posedness of families of Pareto optimization problems. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 444, 881-899.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Nonconvex Separation Functional in Linear Spaces with Applications to Vector Equilibria. SIAM Journal on Optimization, 2016, 26, 2677-2695.	2.0	31
20	Convergence of Solutions of a Set Optimization Problem in the Image Space. Journal of Optimization Theory and Applications, 2016, 170, 358-371.	1.5	23
21	Approximate Karush-Kuhn-Tucker Condition in Multiobjective Optimization. Journal of Optimization Theory and Applications, 2016, 171, 70-89.	1.5	24
22	Duality related to approximate proper solutions of vector optimization problems. Journal of Global Optimization, 2016, 64, 117-139.	1.8	2
23	Vector critical points and efficiency in vector optimization with Lipschitz functions. Optimization Letters, 2016, 10, 47-62.	1.6	6
24	Chain Rules for a Proper ϵ -Subdifferential of Vector Mappings. Journal of Optimization Theory and Applications, 2015, 167, 502-526.	1.5	2
25	Efficiency through variational-like inequalities with Lipschitz functions. Applied Mathematics and Computation, 2015, 259, 438-449.	2.2	5
26	Approximation of Weak Efficient Solutions in Vector Optimization. Advances in Intelligent Systems and Computing, 2015, , 481-489.	0.6	1
27	Optimality Conditions for Quasi-Solutions of Vector Optimization Problems. Journal of Optimization Theory and Applications, 2015, 167, 796-820.	1.5	8
28	Nonlinear Scalarizations of Set Optimization Problems with Set Orderings. Springer Proceedings in Mathematics and Statistics, 2015, , 43-63.	0.2	10
29	Existence and Boundedness of Solutions in Infinite-Dimensional Vector Optimization Problems. Journal of Optimization Theory and Applications, 2014, 162, 515-547.	1.5	11
30	An extension of the Basic Constraint Qualification to nonconvex vector optimization problems. Journal of Global Optimization, 2013, 56, 1755-1771.	1.8	3
31	Proper approximate solutions and ϵ -subdifferentials in vector optimization: Basic properties and limit behaviour. Nonlinear Analysis: Theory, Methods & Applications, 2013, 79, 52-67.	1.1	16
32	Improvement sets and vector optimization. European Journal of Operational Research, 2012, 223, 304-311.	5.7	52
33	Equivalent ϵ -efficiency notions in vector optimization. Top, 2012, 20, 437-455.	1.6	5
34	Pointwise well-posedness in set optimization with cone proper sets. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1822-1833.	1.1	64
35	Scalarization and saddle points of approximate proper solutions in nearly subconvexlike vector optimization problems. Journal of Mathematical Analysis and Applications, 2012, 389, 1046-1058.	1.0	21
36	A generic approach to approximate efficiency and applications to vector optimization with set-valued maps. Journal of Global Optimization, 2011, 49, 313-342.	1.8	12

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37	A BrÃ©zisâ€“Browder principle on partially ordered spaces and related ordering theorems. Journal of Mathematical Analysis and Applications, 2011, 375, 245-260.	1.0	27
38	Generalized -quasi-solutions in multiobjective optimization problems: Existence results and optimality conditions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 4331-4346.	1.1	28
39	Strict approximate solutions in set-valued optimization with applications to the approximate Ekeland variational principle. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 3842-3855.	1.1	17
40	On second-order Fritz John type optimality conditions in nonsmooth multiobjective programming. Mathematical Programming, 2010, 123, 199-223.	2.4	40
41	Optimality conditions via scalarization for a new -efficiency concept in vector optimization problems. European Journal of Operational Research, 2010, 201, 11-22.	5.7	33
42	An overview of second order tangent sets and their application to vector optimization. BoletÃ©n De La Sociedad EspaÃ±ola De MatemÃ¡tica Aplicada, 2010, 52, 73-96.	0.9	5
43	New Second-Order Directional Derivative andÂOptimality Conditions in Scalar and Vector Optimization. Journal of Optimization Theory and Applications, 2009, 142, 85-106.	1.5	25
44	Strong Kuhnâ€“Tucker conditions and constraint qualifications in locally Lipschitz multiobjective optimization problems. Top, 2009, 17, 288-304.	1.6	29
45	Scalarization and optimality conditions for strict minimizers in multiobjective optimization via contingent epiderivatives. Journal of Mathematical Analysis and Applications, 2009, 352, 788-798.	1.0	24
46	Characterizing efficiency without linear structure: a unified approach. Journal of Global Optimization, 2008, 41, 43-60.	1.8	23
47	A Set-Valued Ekeland's Variational Principle in Vector Optimization. SIAM Journal on Control and Optimization, 2008, 47, 883-903.	2.1	47
48	First order optimality conditions in vector optimization involving stable functions. Optimization, 2008, 57, 449-471.	1.7	36
49	A Note on First-Order Sufficient Optimality Conditions for Pareto Problems. Numerical Functional Analysis and Optimization, 2008, 29, 1108-1113.	1.4	4
50	Optimality Conditions for Metrically Consistent Approximate Solutions in Vector Optimization. Journal of Optimization Theory and Applications, 2007, 133, 49-64.	1.5	11
51	Higher-order optimality conditions for strict local minima. Annals of Operations Research, 2007, 157, 183-192.	4.1	14
52	Optimality Conditions for Tanakaâ€™s Approximate Solutions in Vector Optimization. Lecture Notes in Economics and Mathematical Systems, 2007, , 279-295.	0.3	1
53	A Unified Approach and Optimality Conditions for Approximate Solutions of Vector Optimization Problems. SIAM Journal on Optimization, 2006, 17, 688-710.	2.0	78
54	Characterization of the Cone of Attainable Directions. Journal of Optimization Theory and Applications, 2006, 131, 493-499.	1.5	7

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55	On Approximate Solutions in Vector Optimization Problems Via Scalarization. Computational Optimization and Applications, 2006, 35, 305-324.	1.6	43
56	On Approximate Efficiency in Multiobjective Programming. Mathematical Methods of Operations Research, 2006, 64, 165-185.	1.0	46
57	Benson Proper Efficiency in Set-Valued Optimization on Real Linear Spaces. , 2006, , 45-59.		3
58	$\hat{\mu}$ -Pareto Optimality Conditions for Convex Multiobjective Programming via Max Function. Numerical Functional Analysis and Optimization, 2006, 27, 57-70.	1.4	11
59	Conditions and parametric representations of approximate minimal elements of a set through scalarization. Nonconvex Optimization and Its Applications, 2006, 173-184.	0.1	3
60	A property of efficient and $\langle mml:math altimg= 'si.1.gif' display= 'inline' overflow= 'scroll' xmlns:xocs= 'http://www.elsevier.com/xml/xocs/dtd' xmlns:xs= 'http://www.w3.org/2001/XMLSchema' xmlns:xsi= 'http://www.w3.org/2001/XMLSchema-instance' xmlns= 'http://www.elsevier.com/xml/ja/dtd' xmlns:ja= 'http://www.elsevier.com/xml/ja/dtd' xmlns:mml= 'http://www.w3.org/1998/Math/MathML' xmlns:tb= 'http://www.elsevier.com/xml/common/table/dtd' xmlns:sb= 'http://www.elsevier.com/xml/common/struct-bib/dtd' xmlns:ce= 'http://www.. Applied$	2.7	7
61	A chain rule for \hat{E} -subdifferentials with applications to approximate solutions in convex Pareto problems. Journal of Mathematical Analysis and Applications, 2005, 310, 309-327.	1.0	6
62	Duality and saddle-points for convex-like vector optimization problems on real linear spaces. Top, 2005, 13, 343-357.	1.6	8
63	Multiplier Rules and Saddle-Point Theorems for Helbig's Approximate Solutions in Convex Pareto Problems. Journal of Global Optimization, 2005, 32, 367-383.	1.8	28
64	Proper Efficiency in Vector Optimization on Real Linear Spaces. Journal of Optimization Theory and Applications, 2004, 121, 515-540.	1.5	41
65	Optimality conditions in differentiable vector optimization via second-order tangent sets. Applied Mathematics and Optimization, 2004, 49, 123-144.	1.6	13
66	Optimality Conditions in Differentiable Vector Optimization via Second-Order Tangent Sets. Applied Mathematics and Optimization, 2004, 49, 123-144.	1.6	53
67	On constraint qualifications in directionally differentiable multiobjective optimization problems. RAIRO - Operations Research, 2004, 38, 255-274.	1.8	20
68	Second order necessary conditions in set constrained differentiable vector optimization. Mathematical Methods of Operations Research, 2003, 58, 299-317.	1.0	58
69	First and second order sufficient conditions for strict minimality in nonsmooth vector optimization. Journal of Mathematical Analysis and Applications, 2003, 284, 496-510.	1.0	58
70	Efficient and weak efficient points in vector optimization with generalized cone convexity. Applied Mathematics Letters, 2003, 16, 221-225.	2.7	11
71	Weak efficiency in vector optimization using a closure of algebraic type under cone-convexlikeness. European Journal of Operational Research, 2003, 149, 641-653.	5.7	43
72	Optimality Conditions in Directionally Differentiable Pareto Problems with a Set Constraint via Tangent Cones. Numerical Functional Analysis and Optimization, 2003, 24, 557-574.	1.4	18

#	ARTICLE	IF	CITATIONS
73	A notion of local proper efficiency in the Borwein sense in vector optimisation. ANZIAM Journal, 2003, 45, 75-89.	0.2	7
74	FIRST AND SECOND ORDER SUFFICIENT CONDITIONS FOR STRICT MINIMALITY IN MULTIOBJECTIVE PROGRAMMING. Numerical Functional Analysis and Optimization, 2002, 23, 303-322.	1.4	25
75	Optimality Conditions for Vector Optimization Problems with Generalized Convexity in Real Linear Spaces. Optimization, 2002, 51, 73-91.	1.7	21
76	A finite dimensional extension of Lyusternik theorem with applications to multiobjective optimization. Journal of Mathematical Analysis and Applications, 2002, 270, 340-356.	1.0	14
77	Exact and approximate vector Ekeland variational principles. Optimization, 0, , 1-31.	1.7	0
78	Two Set Scalarizations Based on the Oriented Distance with Variable Ordering Structures: Properties and Application to Set Optimization. Numerical Functional Analysis and Optimization, 0, , 1-26.	1.4	1
79	Continuity of a scalarization in vector optimization with variable ordering structures and application to convergence of minimal solutions. Optimization, 0, , 1-22.	1.7	0