Vicente Novo

List of Publications by Year
in descending order

79 papers	1,454 citations	304743 22 h-index	395702 33 g-index
81 all docs	81 docs citations	81 times ranked	241 citing authors

#	Article	IF	Citations
1	A Unified Approach and Optimality Conditions for Approximate Solutions of Vector Optimization Problems. SIAM Journal on Optimization, 2006, 17, 688-710.	2.0	78
2	Pointwise well-posedness in set optimization with cone proper sets. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1822-1833.	1.1	64
3	Second order necessary conditions in set constrained differentiable vector optimization. Mathematical Methods of Operations Research, 2003, 58, 299-317.	1.0	58
4	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
5	Optimality Conditions in Differentiable Vector Optimization via Second-Order Tangent Sets. Applied Mathematics and Optimization, 2004, 49, 123-144.	1.6	53
6	Improvement sets and vector optimization. European Journal of Operational Research, 2012, 223, 304-311.	5.7	52
7	A Set-Valued Ekeland's Variational Principle in Vector Optimization. SIAM Journal on Control and Optimization, 2008, 47, 883-903.	2.1	47
8	On Approximate Efficiency in Multiobjective Programming. Mathematical Methods of Operations Research, 2006, 64, 165-185.	1.0	46
9	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
10	On Approximate Solutions in Vector Optimization Problems Via Scalarization. Computational Optimization and Applications, 2006, 35, 305-324.	1.6	43
11	Proper Efficiency in Vector Optimization on Real Linear Spaces. Journal of Optimization Theory and Applications, 2004, 121, 515-540.	1.5	41
12	On second-order Fritz John type optimality conditions in nonsmooth multiobjective programming. Mathematical Programming, 2010, 123, 199-223.	2.4	40
13	First order optimality conditions in vector optimization involving stable functions. Optimization, 2008, 57, 449-471.	1.7	36
14	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
15	Nonconvex Separation Functional in Linear Spaces with Applications to Vector Equilibria. SIAM Journal on Optimization, 2016, 26, 2677-2695.	2.0	31
16	Strong Kuhnâ€“Tucker conditions and constraint qualifications in locally Lipschitz multiobjective optimization problems. Top, 2009, 17, 288-304.	1.6	29
17	Multiplier Rules and Saddle-Point Theorems for Helbigâ€™s Approximate Solutions in Convex Pareto Problems. Journal of Global Optimization, 2005, 32, 367-383.	1.8	28
18	Generalized -quasi-solutions in multiobjective optimization problems: Existence results and optimality conditions. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 4331-4346.	1.1	28

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19	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
20	FIRST AND SECOND ORDER SUFFICIENT CONDITIONS FOR STRICT MINIMALITY IN MULTIOBJECTIVE PROGRAMMING. Numerical Functional Analysis and Optimization, 2002, 23, 303-322.	1.4	25
21	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
22	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
23	Approximate Karushâ€“Kuhnâ€“Tucker Condition in Multiobjective Optimization. Journal of Optimization Theory and Applications, 2016, 171, 70-89.	1.5	24
24	Characterizing efficiency without linear structure: a unified approach. Journal of Global Optimization, 2008, 41, 43-60.	1.8	23
25	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
26	Ekeland Variational Principles in Vector Equilibrium Problems. SIAM Journal on Optimization, 2017, 27, 2405-2425.	2.0	23
27	Optimality Conditions for Vector Optimization Problems with Generalized Convexity in Real Linear Spaces. Optimization, 2002, 51, 73-91.	1.7	21
28	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
29	Characterization of set relations through extensions of the oriented distance. Mathematical Methods of Operations Research, 2020, 91, 89-115.	1.0	21
30	On constraint qualifications in directionally differentiable multiobjective optimization problems. RAIRO - Operations Research, 2004, 38, 255-274.	1.8	20
31	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
32	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
33	Proper approximate solutions and -subdifferentials in vector optimization: Basic properties and limit behaviour. Nonlinear Analysis: Theory, Methods & Applications, 2013, 79, 52-67.	1.1	16
34	A set scalarization function based on the oriented distance and relations with other set scalarizations. Optimization, 2018, 67, 2091-2116.	1.7	16
35	Six set scalarizations based on the oriented distance: properties and application to set optimization. Optimization, 2020, 69, 437-470.	1.7	16
36	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

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37	Higher-order optimality conditions for strict local minima. Annals of Operations Research, 2007, 157, 183-192.	4.1	14
38	Optimality conditions in differentiable vector optimization via second-order tangent sets. Applied Mathematics and Optimization, 2004, 49, 123-144.	1.6	13
39	Approximate solutions of vector optimization problems via improvement sets in real linear spaces. Journal of Global Optimization, 2018, 70, 875-901.	1.8	13
40	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
41	Efficient and weak efficient points in vector optimization with generalized cone convexity. Applied Mathematics Letters, 2003, 16, 221-225.	2.7	11
42	Îµ-Pareto Optimality Conditions for Convex Multiobjective Programming via Max Function. Numerical Functional Analysis and Optimization, 2006, 27, 57-70.	1.4	11
43	Optimality Conditions for Metrically Consistent Approximate Solutions in Vector Optimization. Journal of Optimization Theory and Applications, 2007, 133, 49-64.	1.5	11
44	Existence and Boundedness of Solutions in Infinite-Dimensional Vector Optimization Problems. Journal of Optimization Theory and Applications, 2014, 162, 515-547.	1.5	11
45	Six set scalarizations based on the oriented distance: continuity, convexity and application to convex set optimization. Mathematical Methods of Operations Research, 2021, 93, 413-436.	1.0	10
46	Nonlinear Scalarizations of Set Optimization Problems with Set Orderings. Springer Proceedings in Mathematics and Statistics, 2015, , 43-63.	0.2	10
47	Nonlinear scalarization in multiobjective optimization with a polyhedral ordering cone. International Transactions in Operational Research, 2018, 25, 763-779.	2.7	9
48	Variants of the Ekeland variational principle for approximate proper solutions of vector equilibrium problems. Journal of Global Optimization, 2019, 74, 361-382.	1.8	9
49	Duality and saddle-points for convex-like vector optimization problems on real linear spaces. Top, 2005, 13, 343-357.	1.6	8
50	Optimality Conditions for Quasi-Solutions of Vector Optimization Problems. Journal of Optimization Theory and Applications, 2015, 167, 796-820.	1.5	8
51	Error bound analysis for vector equilibrium problems with partial order provided by a polyhedral cone. Journal of Global Optimization, 2022, 82, 139-159.	1.8	8
52	A notion of local proper efficiency in the Borwein sense in vector optimisation. ANZIAM Journal, 2003, 45, 75-89.	0.2	7
53	A property of efficient and <mml:math altimg="si1.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 Mathe...	2.7	7
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	Limit Behavior of Approximate Proper Solutions in Vector Optimization. SIAM Journal on Optimization, 2019, 29, 2677-2696.	2.0	7
56	A chain rule for É›-subdifferentials with applications to approximate solutions in convex Pareto problems. Journal of Mathematical Analysis and Applications, 2005, 310, 309-327.	1.0	6
57	Vector critical points and efficiency in vector optimization with Lipschitz functions. Optimization Letters, 2016, 10, 47-62.	1.6	6
58	A note on existence of weak efficient solutions for vector equilibrium problems. Optimization Letters, 2018, 12, 615-623.	1.6	6
59	An overview of second order tangent sets and their application to vector optimization. BoletÃn De La Sociedad EspaÃ‘ola De MatemÃ‡tica Aplicada, 2010, 52, 73-96.	0.9	5
60	Equivalent Îµ-efficiency notions in vector optimization. Top, 2012, 20, 437-455.	1.6	5
61	Efficiency through variational-like inequalities with Lipschitz functions. Applied Mathematics and Computation, 2015, 259, 438-449.	2.2	5
62	A Note on First-Order Sufficient Optimality Conditions for Pareto Problems. Numerical Functional Analysis and Optimization, 2008, 29, 1108-1113.	1.4	4
63	Sequential Îµ-Subdifferential Calculus for Scalar and Vector Mappings. Set-Valued and Variational Analysis, 2017, 25, 383-403.	1.1	4
64	Optimality conditions for approximate proper solutions in multiobjective optimization with polyhedral cones. Top, 2020, 28, 526-544.	1.6	4
65	On Relatively Solid Convex Cones in Real Linear Spaces. Journal of Optimization Theory and Applications, 2021, 188, 277-290.	1.5	4
66	Benson Proper Efficiency in Set-Valued Optimization on Real Linear Spaces. , 2006, , 45-59.		3
67	An extension of the Basic Constraint Qualification to nonconvex vector optimization problems. Journal of Global Optimization, 2013, 56, 1755-1771.	1.8	3
68	On Hadamard well-posedness of families of Pareto optimization problems. Journal of Mathematical Analysis and Applications, 2016, 444, 881-899.	1.0	3
69	A unified concept of approximate and quasi efficient solutions and associated subdifferentials in multiobjective optimization. Mathematical Programming, 2020, 189, 379.	2.4	3
70	Lagrange Multipliers in Convex Set Optimization with the Set and Vector Criteria. Vietnam Journal of Mathematics, 2020, 48, 345-362.	0.8	3
71	Conditions and parametric representations of approximate minimal elements of a set through scalarization. Nonconvex Optimization and Its Applications, 2006, , 173-184.	0.1	3
72	Chain Rules for a Proper $$varepsilon $$ Îµ -Subdifferential of Vector Mappings. Journal of Optimization Theory and Applications, 2015, 167, 502-526.	1.5	2

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73	Duality related to approximate proper solutions of vector optimization problems. Journal of Global Optimization, 2016, 64, 117-139.	1.8	2
74	Necessary Conditions for Nondominated Solutions in Vector Optimization. Journal of Optimization Theory and Applications, 2020, 186, 826-842.	1.5	2
75	Approximation of Weak Efficient Solutions in Vector Optimization. Advances in Intelligent Systems and Computing, 2015, , 481-489.	0.6	1
76	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
77	Optimality Conditions for Tanakaâ€™s Approximate Solutions in Vector Optimization. Lecture Notes in Economics and Mathematical Systems, 2007, , 279-295.	0.3	1
78	Exact and approximate vector Ekeland variational principles. Optimization, 0, , 1-31.	1.7	0
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