

Hector Ramirez

List of Publications by Year in descending order

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29
papers

401
citations

1040056

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752698

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all docs

30
docs citations

30
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation analysis of second-order cone programming problems. <i>Mathematical Programming</i> , 2005, 104, 205-227.	2.4	109
2	A Global Algorithm for Nonlinear Semidefinite Programming. <i>SIAM Journal on Optimization</i> , 2004, 15, 303-318.	2.0	74
3	Interior proximal algorithm with variable metric for second-order cone programming: applications to structural optimization and support vector machines. <i>Optimization Methods and Software</i> , 2010, 25, 859-881.	2.4	34
4	Second-Order Variational Analysis in Conic Programming with Applications to Optimality and Stability. <i>SIAM Journal on Optimization</i> , 2015, 25, 76-101.	2.0	31
5	On the Aubin Property of Critical Points to Perturbed Second-Order Cone Programs. <i>SIAM Journal on Optimization</i> , 2011, 21, 798-823.	2.0	28
6	Support vector machine under uncertainty: An application for hydroacoustic classification of fish-schools in Chile. <i>Expert Systems With Applications</i> , 2013, 40, 4029-4034.	7.6	28
7	Risk and Sustainability: Assessing Fishery Management Strategies. <i>Environmental and Resource Economics</i> , 2016, 64, 683-707.	3.2	14
8	Commutation Principle for Variational Problems on Euclidean Jordan Algebras. <i>SIAM Journal on Optimization</i> , 2013, 23, 687-694.	2.0	12
9	Minimal time bioremediation of natural water resources. <i>Automatica</i> , 2011, 47, 1764-1769.	5.0	9
10	Penalty and Barrier Methods for Convex Semidefinite Programming. <i>Mathematical Methods of Operations Research</i> , 2006, 63, 195-219.	1.0	8
11	Viable states for monotone harvest models. <i>Systems and Control Letters</i> , 2011, 60, 192-197.	2.3	5
12	Guaranteed value strategy for the optimal control of biogas production in continuous bio-reactors. <i>IFAC-PapersOnLine</i> , 2017, 50, 8728-8733.	0.9	5
13	HARVESTING ECONOMIC MODELS AND CATCHâ€œTOâ€œBIOMASS DEPENDENCE: THE CASE OF SMALL PELAGIC FISH. <i>Natural Resource Modelling</i> , 2011, 24, 268-296.	2.0	4
14	Optimality of affine control system of several species in competition on a sequential batch reactor. <i>International Journal of Control</i> , 2014, 87, 1877-1885.	1.9	4
15	Methods for the Sustainable Rebuilding of Overexploited Natural Resources. <i>Environmental Modeling and Assessment</i> , 2018, 23, 713-727.	2.2	4
16	Optimal and Sub-optimal Feedback Controls for Biogas Production. <i>Journal of Optimization Theory and Applications</i> , 2019, 183, 642-670.	1.5	4
17	Catchâ€œtoâ€œstock dependence: The case of small pelagic fishery with bounded harvesting effort. <i>Natural Resource Modelling</i> , 2019, 32, .	2.0	4
18	Modeling and stability analysis of a microalgal pond with nitrification. <i>Applied Mathematical Modelling</i> , 2017, 51, 448-468.	4.2	3

#	ARTICLE	IF	CITATIONS
19	Equivalence of Finite Dimensional Input-Output Models of Solute Transport and Diffusion in Geosciences. IEEE Transactions on Automatic Control, 2017, 62, 5470-5477.	5.7	3
20	Modeling and control of in-situ decontamination of large water resources. ESAIM Proceedings and Surveys, 2017, 57, 70-85.	0.4	3
21	First results of optimal control of average biogas production for the chemostat over an infinite horizon. IFAC-PapersOnLine, 2018, 51, 725-729.	0.9	3
22	An Optimization Model To Incorporate CO2Emissions in the Scheduling of Crude Oil Operations. Industrial & Engineering Chemistry Research, 2018, 57, 11342-11349.	3.7	3
23	Linear Complementarity Problems over Symmetric Cones: Characterization of Q_b -transformations and Existence Results. Journal of Optimization Theory and Applications, 2013, 159, 741-768.	1.5	2
24	On the Central Paths in Symmetric Cone Programming. Journal of Optimization Theory and Applications, 2017, 172, 649-668.	1.5	2
25	Characterizing Q -linear transformations for semidefinite linear complementarity problems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1441-1448.	1.1	1
26	Title: Modelling The Effect of Syphilis Screening At The Entry Point in Chilean Prisons. Value in Health, 2017, 20, A869-A870.	0.3	1
27	A Note on the Paper "Linear Complementarity Problems Over Symmetric Cones: Characterization of Q_b -Transformations and Existence Results". Journal of Optimization Theory and Applications, 2014, 163, 351-354.	1.5	0
28	Productivity optimization of microalgae cultivation in a batch photobioreactor process. Mathematical Methods in the Applied Sciences, 2018, 41, 386-406.	2.3	0
29	A Note on "Optimal and Sub-Optimal Feedback Controls for Biogas Production". Journal of Optimization Theory and Applications, 2020, 186, 1053-1055.	1.5	0