Hector Ramirez

List of Publications by Year
in descending order

29	401	1040056	752698
papers	**citations**	9	20
		h-index	**g-index**

30	30	30	249
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	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
2	Optimal and Sub-optimal Feedback Controls for Biogas Production. Journal of Optimization Theory and Applications, 2019, 183, 642-670.	1.5	4
3	Catch‐to‐stock dependence: The case of small pelagic fishery with bounded harvesting effort. Natural Resource Modelling, 2019, 32, .	2.0	4
4	Productivity optimization of microalgae cultivation in a batch photobioreactor process. Mathematical Methods in the Applied Sciences, 2018, 41, 386-406.	2.3	0
5	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
6	Methods for the Sustainable Rebuilding of Overexploited Natural Resources. Environmental Modeling and Assessment, 2018, 23, 713-727.	2.2	4
7	An Optimization Model To Incorporate CO_2 Emissions in the Scheduling of Crude Oil Operations. Industrial & Engineering Chemistry Research, 2018, 57, 11342-11349.	3.7	3
8	Modeling and stability analysis of a microalgal pond with nitrification. Applied Mathematical Modelling, 2017, 51, 448-468.	4.2	3
9	On the Central Paths in Symmetric Cone Programming. Journal of Optimization Theory and Applications, 2017, 172, 649-668.	1.5	2
10	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
11	Guaranteed value strategy for the optimal control of biogas production in continuous bio-reactors. IFAC-PapersOnLine, 2017, 50, 8728-8733.	0.9	5
12	Title: Modelling The Effect of Syphilis Screening At The Entry Point in Chilean Prisons. Value in Health, 2017, 20, A869-A870.	0.3	1
13	Modeling and control of in-situ decontamination of large water resources. ESAIM Proceedings and Surveys, 2017, 57, 70-85.	0.4	3
14	Risk and Sustainability: Assessing Fishery Management Strategies. Environmental and Resource Economics, 2016, 64, 683-707.	3.2	14
15	Second-Order Variational Analysis in Conic Programming with Applications to Optimality and Stability. SIAM Journal on Optimization, 2015, 25, 76-101.	2.0	31
16	A Note on the Paper "Linear Complementarity Problems Over Symmetric Cones: Characterization of Qb-Transformations and Existence Results" Journal of Optimization Theory and Applications, 2014, 163, 351-354.	1.5	0
17	Optimality of affine control system of several species in competition on a sequential batch reactor. International Journal of Control, 2014, 87, 1877-1885.	1.9	4
18	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

#	Article	IF	Citations
19	Commutation Principle for Variational Problems on Euclidean Jordan Algebras. SIAM Journal on Optimization, 2013, 23, 687-694.	2.0	12
20	Support vector machine under uncertainty: An application for hydroacoustic classification of fish-schools in Chile. Expert Systems With Applications, 2013, 40, 4029-4034.	7.6	28
21	Characterizing -linear transformations for semidefinite linear complementarity problems. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 1441-1448.	1.1	1
22	HARVESTING ECONOMIC MODELS AND CATCHâ€TOâ€BIOMASS DEPENDENCE: THE CASE OF SMALL PELAGIC FISH. Natural Resource Modelling, 2011, 24, 268-296.	2.0	4
23	Minimal time bioremediation of natural water resources. Automatica, 2011, 47, 1764-1769.	5.0	9
24	Viable states for monotone harvest models. Systems and Control Letters, 2011, 60, 192-197.	2.3	5
25	On the Aubin Property of Critical Points to Perturbed Second-Order Cone Programs. SIAM Journal on Optimization, 2011, 21, 798-823.	2.0	28
26	Interior proximal algorithm with variable metric for second-order cone programming: applications to structural optimization and support vector machines. Optimization Methods and Software, 2010, 25, 859-881.	2.4	34
27	Penalty and Barrier Methods for Convex Semidefinite Programming. Mathematical Methods of Operations Research, 2006, 63, 195-219.	1.0	8
28	Perturbation analysis of second-order cone programming problems. Mathematical Programming, 2005, 104, 205-227.	2.4	109
29	A Global Algorithm for Nonlinear Semidefinite Programming. SIAM Journal on Optimization, 2004, 15, 303-318.	2.0	74