

Pedro Gajardo

List of Publications by Year in descending order

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33
papers

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citations

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126
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Pareto Fronts of the Set of Sustainable Thresholds for Constrained Control Systems. <i>Applied Mathematics and Optimization</i> , 2021, 83, 1103-1121. | 1.6 | 2 |
| 2 | Modelling cost-effectiveness of syphilis detection strategies in prisoners: exploratory exercise in a Chilean male prison. <i>Cost Effectiveness and Resource Allocation</i> , 2021, 19, 5. | 1.5 | 2 |
| 3 | Assessment of event-triggered policies of nonpharmaceutical interventions based on epidemiological indicators. <i>Journal of Mathematical Biology</i> , 2021, 83, 42. | 1.9 | 3 |
| 4 | Cross-nonnegativity and monotonicity analysis of nonlinear dynamical systems. <i>Journal of Differential Equations</i> , 2021, 300, 33-52. | 2.2 | 1 |
| 5 | Sustainability standards, multicriteria maximin, and viability. <i>Natural Resource Modelling</i> , 2020, 33, . | 2.0 | 6 |
| 6 | Comparison theorem for viability kernels via conic preorders. <i>Systems and Control Letters</i> , 2020, 145, 104799. | 2.3 | 0 |
| 7 | The viability kernel of dynamical systems with mixed constraints: A level-set approach. <i>Systems and Control Letters</i> , 2019, 127, 6-12. | 2.3 | 4 |
| 8 | On the steady state optimization of the biogas production in a two-stage anaerobic digestion model. <i>Journal of Mathematical Biology</i> , 2019, 78, 1067-1087. | 1.9 | 16 |
| 9 | Comparison of performance in an anaerobic digestion process: one-reactor vs two-reactor configurations. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 2447-2465. | 1.9 | 5 |
| 10 | Analysis of an Optimal Control Problem Related to the Anaerobic Digestion Process. <i>Journal of Optimization Theory and Applications</i> , 2018, 178, 627-659. | 1.5 | 10 |
| 11 | Methods for the Sustainable Rebuilding of Overexploited Natural Resources. <i>Environmental Modeling and Assessment</i> , 2018, 23, 713-727. | 2.2 | 4 |
| 12 | Sustainable thresholds for cooperative epidemiological models. <i>Mathematical Biosciences</i> , 2018, 302, 9-18. | 1.9 | 11 |
| 13 | Monotonicity beyond Minty and Kato on locally convex spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1701-1709. | 1.0 | 0 |
| 14 | Equilibrium problems involving the Lorentz cone. <i>Journal of Global Optimization</i> , 2014, 58, 321-340. | 1.8 | 10 |
| 15 | 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 |
| 16 | Tools for improving feeding strategies in a SBR with several species. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 63-70. | 3.4 | 0 |
| 17 | Optimal Synthesis for the Minimum Time Control Problems of Fed-Batch Bioprocesses for Growth Functions with Two Maxima. <i>Journal of Optimization Theory and Applications</i> , 2013, 158, 521-553. | 1.5 | 16 |
| 18 | Solving inverse cone-constrained eigenvalue problems. <i>Numerische Mathematik</i> , 2013, 123, 309-331. | 1.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Existence of Minimizers on Drops. SIAM Journal on Optimization, 2013, 23, 1154-1166. | 2.0 | 2 |
| 20 | Minimal time control of fed-batch bioreactor with product inhibition. , 2012, , . | | 1 |
| 21 | On optimal strategies for feeding in minimal time a SBR with several species. , 2012, , . | | 1 |
| 22 | Reconstructing a matrix from a partial sampling of Pareto eigenvalues. Computational Optimization and Applications, 2012, 51, 1119-1135. | 1.6 | 4 |
| 23 | HARVESTING ECONOMIC MODELS AND CATCH-BIOMASS DEPENDENCE: THE CASE OF SMALL PELAGIC FISH. Natural Resource Modelling, 2011, 24, 268-296. | 2.0 | 4 |
| 24 | Minimal time bioremediation of natural water resources. Automatica, 2011, 47, 1764-1769. | 5.0 | 9 |
| 25 | Viable states for monotone harvest models. Systems and Control Letters, 2011, 60, 192-197. | 2.3 | 5 |
| 26 | Various Lipschitz-like Properties for Functions and Sets I: Directional Derivative and Tangential Characterizations. SIAM Journal on Optimization, 2010, 20, 1766-1785. | 2.0 | 11 |
| 27 | Links between directional derivatives through multidirectional mean value inequalities. Mathematical Programming, 2009, 116, 57-77. | 2.4 | 13 |
| 28 | Subdifferential representation formula and subdifferential criteria for the behavior of nonsmooth functions. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 864-891. | 1.1 | 9 |
| 29 | Higher-order spectral analysis and weak asymptotic stability of convex processes. Journal of Mathematical Analysis and Applications, 2006, 318, 155-174. | 1.0 | 6 |
| 30 | Eigenvalues of Set-Valued Operators in Banach Spaces. Set-Valued and Variational Analysis, 2005, 13, 1-19. | 0.5 | 10 |
| 31 | Epsilon-Eigenvalues of Multivalued Operators. Set-Valued and Variational Analysis, 2003, 11, 273-296. | 0.5 | 4 |
| 32 | Optimal Control of Diseases in Prison Populations through Screening Policies of New Inmates. SIAM Journal on Control and Optimization, 0, , S1-S26. | 2.1 | 0 |
| 33 | On the set of robust sustainable thresholds. Natural Resource Modelling, 0, , e12334. | 2.0 | 0 |