

B S Goh

List of Publications by Year in descending order

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22
papers

774
citations

840776

11
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Stability in Many-Species Systems. <i>American Naturalist</i> , 1977, 111, 135-143.	2.1	269
2	Necessary Conditions for Singular Extremals Involving Multiple Control Variables. <i>SIAM Journal on Control and Optimization</i> , 1966, 4, 716-731.	1.6	190
3	Nonvulnerability of ecosystems in unpredictable environments. <i>Theoretical Population Biology</i> , 1976, 10, 83-95.	1.1	48
4	Ecological stability, evolutionary stability and the ESS maximum principle. <i>Evolutionary Ecology</i> , 1996, 10, 567-591.	1.2	45
5	Stability in Gilpin and Ayala's models of competition. <i>Journal of Mathematical Biology</i> , 1977, 4, 275-279.	1.9	39
6	Stability in a class of discrete time models of interacting populations. <i>Journal of Mathematical Biology</i> , 1977, 4, 265-274.	1.9	26
7	Trajectory-following algorithms for min-max optimization problems. <i>Journal of Optimization Theory and Applications</i> , 1992, 75, 501-519.	1.5	25
8	Global stability in a class of prey-predator models. <i>The Bulletin of Mathematical Biophysics</i> , 1978, 40, 525-533.	0.5	23
9	Algorithms for Unconstrained Optimization Problems via Control Theory. <i>Journal of Optimization Theory and Applications</i> , 1997, 92, 581-604.	1.5	20
10	Optimal initial choice of multipliers in the quasilinearization method for optimal control problems with bounded controls. <i>International Journal of Control</i> , 1974, 20, 17-33.	1.9	16
11	Second order analysis of control-affine problems with scalar state constraint. <i>Mathematical Programming</i> , 2016, 160, 115-147.	2.4	13
12	Greatest Descent Algorithms in Unconstrained Optimization. <i>Journal of Optimization Theory and Applications</i> , 2009, 142, 275-289.	1.5	12
13	Approximate Greatest Descent Methods for Optimization with Equality Constraints. <i>Journal of Optimization Theory and Applications</i> , 2011, 148, 505-527.	1.5	10
14	Terminality, normality, and transversality conditions. <i>Journal of Optimization Theory and Applications</i> , 1972, 9, 32-50.	1.5	9
15	Convergence of Algorithms in Optimization and Solutions of Nonlinear Equations. <i>Journal of Optimization Theory and Applications</i> , 2010, 144, 43-55.	1.5	7
16	Global convergence of some differential equation algorithms for solving equations involving positive variables. <i>BIT Numerical Mathematics</i> , 1978, 18, 84-90.	2.0	6
17	Maintenance of an equilibrium state in the presence of uncertain inputs. <i>International Journal of Systems Science</i> , 1985, 16, 1335-1344.	5.5	5
18	Optimal vibrating plates and a distributed parameter singular control problem. <i>International Journal of Control</i> , 1977, 26, 19-31.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Newton Methods to Solve a System of Nonlinear Algebraic Equations. Journal of Optimization Theory and Applications, 2015, 164, 261-276.	1.5	2
20	On the bang-bang control approach via a component-wise line search strategy for unconstrained optimization. Numerical Algebra, Control and Optimization, 2021, 11, 45.	1.6	2
21	Robustness of Convergence Proofs in Numerical Methods in Unconstrained Optimization. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 1-9.	0.5	2
22	Towards achieving maximum sustainable yield management of the bearded pig (<i>Sus barbatus</i>) in a logged-over planted forest. Journal of Biological Dynamics, 2011, 5, 268-276.	1.7	1