B S Goh

List of Publications by Year
in descending order

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	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
2	Second order analysis of control-affine problems with scalar state constraint. Mathematical Programming, 2016, 160, 115-147.	2.4	13
3	Newton Methods to Solve a System of Nonlinear Algebraic Equations. Journal of Optimization Theory and Applications, 2015, 164, 261-276.	1.5	2
4	Robustness of Convergence Proofs in Numerical Methods in Unconstrained Optimization. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 1-9.	0.5	2
5	Towards achieving maximum sustainable yield management of the bearded pig (*Sus barbatus*) in a logged-over planted forest. Journal of Biological Dynamics, 2011, 5, 268-276.	1.7	1
6	Approximate Greatest Descent Methods forÂOptimization with Equality Constraints. Journal of Optimization Theory and Applications, 2011, 148, 505-527.	1.5	10
7	Convergence of Algorithms in Optimization andÂSolutions of Nonlinear Equations. Journal of Optimization Theory and Applications, 2010, 144, 43-55.	1.5	7
8	Greatest Descent Algorithms in Unconstrained Optimization. Journal of Optimization Theory and Applications, 2009, 142, 275-289.	1.5	12
9	Algorithms for Unconstrained Optimization Problems via Control Theory. Journal of Optimization Theory and Applications, 1997, 92, 581-604.	1.5	20
10	Ecological stability, evolutionary stability and the ESS maximum principle. Evolutionary Ecology, 1996, 10, 567-591.	1.2	45
11	Trajectory-following algorithms for min-max optimization problems. Journal of Optimization Theory and Applications, 1992, 75, 501-519.	1.5	25
12	Maintenance of an equilibrium state in the presence of uncertain inputsâ€. International Journal of Systems Science, 1985, 16, 1335-1344.	5.5	5
13	Global convergence of some differential equation algorithms for solving equations involving positive variables. BIT Numerical Mathematics, 1978, 18, 84-90.	2.0	6
14	Global stability in a class of prey-predator models. The Bulletin of Mathematical Biophysics, 1978, 40, 525-533.	0.5	23
15	Optimal vibrating plates and a distributed parameter singular control problem. International Journal of Control, 1977, 26, 19-31.	1.9	4
16	Global Stability in Many-Species Systems. American Naturalist, 1977, 111, 135-143.	2.1	269
17	Stability in a class of discrete time models of interacting populations. Journal of Mathematical Biology, 1977, 4, 265-274.	1.9	26
18	Stability in Gilpin and Ayala's models of competition. Journal of Mathematical Biology, 1977, 4, 275-279.	1.9	39

#	Article	IF	Citations
19	Nonvulnerability of ecosystems in unpredictable environments. Theoretical Population Biology, 1976, 10, 83-95.	1.1	48
20	Optimal initial choice of multipliers in the quasilinearization method for optimal control problems with bounded controls. International Journal of Control, 1974, 20, 17-33.	1.9	16
21	Terminality, normality, and transversality conditions. Journal of Optimization Theory and Applications, 1972, 9, 32-50.	1.5	9
22	Necessary Conditions for Singular Extremals Involving Multiple Control Variables. SIAM Journal on Control and Optimization, 1966, 4, 716-731.	1.6	190