Brian C Fabien

List of Publications by Year
in descending order

19 papers	226 citations	1162367 8 h-index	996533 15 g-index
19 all docs	19 docs citations	19 times ranked	134 citing authors

#	Article	IF	Citations
1	Optimization of Dynamic Systems. Solid Mechanics and Its Applications, 1999, , .	0.1	48
2	Numerical solution of constrained optimal control problems with parameters. Applied Mathematics and Computation, 1996, 80, 43-62.	1.4	38
3	Some tools for the direct solution of optimal control problems. Advances in Engineering Software, 1998, 29, 45-61.	1.8	30
4	Indirect Solution of Inequality Constrained and Singular Optimal Control Problems Via a Simple Continuation Method. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	20
5	The influence of failure criteria on the design optimization of stacked-ply composite flywheels. Structural and Multidisciplinary Optimization, 2007, 33, 507-517.	1.7	13
6	An extended penalty function approach to the numerical solution of constrained optimal control problems. Optimal Control Applications and Methods, 1996, 17, 341-355.	1.3	11
7	Direct optimization of dynamic systems described by differential–algebraic equations. Optimal Control Applications and Methods, 2008, 29, 445-466.	1.3	11
8	Parallel indirect solution of optimal control problems. Optimal Control Applications and Methods, 2014, 35, 204-230.	1.3	11
9	Implementation of a robust SQP algorithm. Optimization Methods and Software, 2008, 23, 827-846.	1.6	8
10	Optimal Trajectories of Open-Chain Mechanical Systems: An Explicit Optimality Equation with a Multiple Shooting Solution*. Mechanics Based Design of Structures and Machines, 1997, 25, 163-177.	0.6	7
11	dsoa: The implementation of a dynamic system optimization algorithm. Optimal Control Applications and Methods, 2010, 31, 231-247.	1.3	6
12	Piecewise Polynomial Control Parameterization in the Direct Solution of Optimal Control Problems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	5
13	An adaptive mesh refinement method for indirectly solving optimal control problems. Numerical Algorithms, 2022, 91, 193-225.	1.1	5
14	Comparison of Model Predictive Control and Distance Constrained-Adaptive Concurrent Dynamic Programming Algorithms for Extended Range Electric Vehicle Optimal Energy Management. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	4
15	Optimal Trajectories of Open-Chain Robot Systems: A New Solution Procedure Without Lagrange Multipliers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1998, 120, 134-136.	0.9	3
16	Disturbance Attenuation Using a dc Motor for Radial Force Actuation in a Rotordynamic System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2007, 129, 804-812.	0.9	2
17	A noninterior continuation method for constrained optimal control problems. , 2016, , .		2
18	Parallel collocation solution of constrained optimal control problems. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Parallel collocation solution of index-1 BVP-DAEs arising from constrained optimal control problems. Numerical Algorithms, 2016, 71, 311-335.	1.1	1