Mohammad Ali Mehrpouya

List of Publications by Year
in descending order

12
papers	122
citations	1478505
6
h-index	1281871
11
g-index
16
all docs	16
docs citations	16
times ranked	120
citing authors

#	Article	IF	Citations
1	A robust pseudospectral method for numerical solution of nonlinear optimal control problems. International Journal of Computer Mathematics, 2021, 98, 1146-1165.	1.8	6
2	A design for a yoke to detect a notch on edge by using magnetic flux leakage method. European Physical Journal Plus, 2021, 136, 1.	2.6	2
3	Transformed orthogonal functions for solving infinite horizon fractional optimal control problems. European Journal of Control, 2021, 59, 13-28.	2.6	2
4	A numerical scheme based on the collocation and optimization methods for accurate solution of sensitive boundary value problems. European Physical Journal Plus, 2021, 136, 1.	2.6	0
5	A modified pseudospectral method for indirect solving a class of switching optimal control problems. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1531-1542.	1.3	5
6	Effect of backup plate in drilling of composite laminates, analytical and experimental approaches. Thin-Walled Structures, 2019, 136, 323-332.	5.3	12
7	An efficient pseudospectral method for numerical solution of nonlinear singular initial and boundary value problems arising in astrophysics. Mathematical Methods in the Applied Sciences, 2016, 39, 3204-3214.	2.3	15
8	The development of new comprehensive kinetic modeling for Fischer–Tropsch synthesis process over Co-Ru/γ-Al$_2$O$_3$ nano-catalyst in a fixed-bed reactor. Chemical Engineering Journal, 2016, 286, 416-426.	12.7	41
9	A modified control parametrization method for the numerical solution of bang–bang optimal control problems. JVC/Journal of Vibration and Control, 2015, 21, 2407-2415.	2.6	4
10	A COMBINED ADAPTIVE CONTROL PARAMETRIZATION AND HOMOTOPY CONTINUATION TECHNIQUE FOR THE NUMERICAL SOLUTION OF BANG–BANG OPTIMAL CONTROL PROBLEMS. ANZIAM Journal, 2014, 56, 48-65.	0.2	6
11	An efficient solution of hamiltonian boundary value problems by combined gauss pseudospectral method with differential continuation approach. Journal of the Franklin Institute, 2014, 351, 4765-4785.	3.4	10
12	Transformed Legendre spectral method for solving infinite horizon optimal control problems. IMA Journal of Mathematical Control and Information, 0, , dnw051.	1.7	2