Mohana Sundaram Muthuvalu

List of Publications by Year
in descending order

36 papers	114 citations	1937685 4 h-index	1372567 10 g-index
36 all docs	36 docs citations	36 times ranked	57 citing authors

#	Article	IF	Citations
1	Examination of Half-Sweep Closed Newton–Cotes Quadrature Schemes in Solving Dense System. Studies in Systems, Decision and Control, 2022, , 413-430.	1.0	0
2	Thermophysical Properties of Nanofluid in Two-Phase Fluid Flow through a Porous Rectangular Medium for Enhanced Oil Recovery. Nanomaterials, 2022, 12, 1011.	4.1	12
3	Complexity Reduction Approach for Solving Second Kind of Fredholm Integral Equations. Symmetry, 2022, 14, 1017.	2.2	0
4	A Newton-Modified Weighted Arithmetic Mean Solution of Nonlinear Porous Medium Type Equations. Symmetry, 2021, 13, 1511.	2.2	1
5	Performance analysis of Arithmetic Mean method for solving composite 6-point closed Newton–Cotes quadrature algebraic equation. Asian-European Journal of Mathematics, 2019, 12, 1950061.	0.5	1
6	Forecast the moisture ratio removal during seaweed drying process using solar drier. AIP Conference Proceedings, 2019, , .	0.4	3
7	Numerical performance of Half-Sweep Geometric Mean (HSGM) iterative method for solving third order Newton–Cotes quadrature system. Lobachevskii Journal of Mathematics, 2017, 38, 73-81.	0.9	2
8	An implementation of QSAOR iterative method for non-homogeneous Helmholtz equations. International Journal of Contemporary Mathematical Sciences, 2016, 11, 85-96.	0.3	1
9	Review of Different Techniques used for Wireless Transmission of Electrical Energy. MATEC Web of Conferences, 2016, 38, 01005.	0.2	1
10	Mixed convection flow over a stretching porous wedge with Newtonian heating in the presence of heat generation or absorption. AIP Conference Proceedings, 2016, , .	0.4	3
11	The preconditioned Gauss-Seidel iterative methods for solving Fredholm integral equations of the second kind. AIP Conference Proceedings, 2016, , .	0.4	3
12	Performance Analysis of Half-Sweep Successive Over-Relaxation Iterative Method for Solving Four-Point Composite Closed Newton-Cotes System. , 2016, , .		1
13	Preconditioned Jacobi-type iterative methods for solving Fredholm integral equations of the second kind. AIP Conference Proceedings, 2016, , .	0.4	0
14	Performance analysis of 2-Point explicit group iterative methods for solving four-point composite closed Newton-Cotes system. AIP Conference Proceedings, 2016, , .	0.4	0
15	Performance analysis of successive over relaxation method for solving glioma growth model. AIP Conference Proceedings, 2016, , .	0.4	3
16	Performance Analysis of 2-Point Explicit Group (2-EG) Method for Solving Second-Order Composite Closed Newton-Cotes Quadrature System. , 2016, , 297-305.		0
17	Performance analysis of Arithmetic Mean method in determining peak junction temperature of semiconductor device. Ain Shams Engineering Journal, 2015, 6, 1203-1210.	6.1	5
18	PC Based Energy Efficient Wireless Transceiver Module with ZigBee. Applied Mechanics and Materials, 2015, 785, 724-728.	0.2	3

#	Article	IF	Citations
19	Simulation and development of ZigBee based wireless stakeout system controlled by PC. , 2015, , .		1
20	A New Strategy for Multiple Chillers Plant Operation Using Fuzzy Inference System. Applied Mechanics and Materials, 2015, 785, 671-675.	0.2	2
21	Electroencephalography data analysis by using discrete wavelet packet transform. AIP Conference Proceedings, 2015, , .	0.4	1
22	Numerical solutions for linear Fredholm integral equations of the second kind using 2-point half-sweep explicit group method. , 2014, , .		2
23	Numerical performance of AOR methods in solving first order composite closed Newton-Cotes quadrature algebraic equations. , 2014, , .		1
24	Valuing option on the maximum of two assets using improving modified Gauss-Seidel method. , 2014, , .		0
25	Performance analysis of Half-Sweep AOR iterative method in solving second kind Linear Fredholm Integral Equations. , 2014, , .		0
26	The arithmetic mean iterative method for solving 2D Helmholtz equation. , 2014, , .		0
27	Effects of heat generation or absorption on mixed convection flow over a stretching porous wedge with convective boundary condition. , 2014, , .		1
28	Numerical performance of half-sweep SOR method for solving second order composite closed Newton-Cotes system. , 2014, , .		0
29	Denoising solar radiation data using coiflet wavelets. , 2014, , .		3
30	Application of quarter-sweep iteration for first order linear Fredholm integro-differential equations. , 2013, , .		2
31	Solving first kind linear Fredholm integral equations with semi-smooth kernel using 2-point half-sweep block arithmetic mean method. , 2013, , .		2
32	Half-Sweep Geometric Mean Iterative Method for the Repeated Simpson Solution of Second Kind Linear Fredholm Integral Equations. Proyecciones, 2012, 31, 65-79.	0.3	10
33	Half-Sweep Arithmetic Mean method with composite trapezoidal scheme for solving linear Fredholm integral equations. Applied Mathematics and Computation, 2011, 217, 5442-5448.	2.2	46
34	Bezier triangular patches for closed surface. Applied Mathematical Sciences, 0, 8, 355-366.	0.1	1
35	QSMSOR iterative method for the solution of 2D homogeneous Helmholtz equations. International Journal of Mathematical Analysis, 0, 8, 2493-2505.	0.3	1
36	Application of four-point MEGMSOR method for the solution of 2D Helmholtz equations. International Journal of Mathematical Analysis, 0, 9, 1847-1862.	0.3	2