Mehmet Emir Koksal

List of Publications by Year
in descending order

36	343	840776 11	888059 17
papers	citations	h-index	g-index

36	36	36	195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Haar wavelets operational matrix based algorithm for computational modelling of hyperbolic type wave equations. Engineering Computations, 2017, 34, 2793-2814.	1.4	42
2	Lie symmetry based-analytical and numerical approach for modified Burgers-KdV equation. Results in Physics, 2018, 8, 1136-1142.	4.1	28
3	On the Second Order of Accuracy Difference Scheme for Hyperbolic Equations in a Hilbert Space. Numerical Functional Analysis and Optimization, 2005, 26, 739-772.	1.4	27
4	A class of numerical algorithms based on cubic trigonometric B-spline functions for numerical simulation of nonlinear parabolic problems. Computational and Applied Mathematics, 2019, 38, 1.	2.2	21
5	A difference scheme for Cauchy problem for the hyperbolic equation with self-adjoint operator. Mathematical and Computer Modelling, 2010, 52, 409-424.	2.0	18
6	Commutativity of Linear Time-Varying Differential Systems with Nonzero Initial Conditions: A Review and Some New Extensions. Mathematical Problems in Engineering, 2011, 2011, 1-25.	1.1	17
7	An Operator-Difference Method for Telegraph Equations Arising in Transmission Lines. Discrete Dynamics in Nature and Society, 2011, 2011, 1-17.	0.9	15
8	Existence Results for Solutions of Nonlinear Fractional Differential Equations. Abstract and Applied Analysis, 2012, 2012, 1-12.	0.7	14
9	On the numerical solution of hyperbolic PDEs with variable space operator. Numerical Methods for Partial Differential Equations, 2009, 25, 1086-1099.	3.6	13
10	Stability analysis of fractional differential equations with unknown parameters. Nonlinear Analysis: Modelling and Control, 2019, 24, 224-240.	1.6	13
11	Stability of a Second Order of Accuracy Difference Scheme for Hyperbolic Equation in a Hilbert Space. Discrete Dynamics in Nature and Society, 2007, 2007, 1-25.	0.9	12
12	Commutativity of cascade connected discrete-time linear time-varying systems. Transactions of the Institute of Measurement and Control, 2015, 37, 615-622.	1.7	12
13	Numerical simulation of power transmission lines. Chinese Journal of Physics, 2019, 59, 507-524.	3.9	12
14	Commutativity of systems with their feedback conjugates. Transactions of the Institute of Measurement and Control, 2019, 41, 696-700.	1.7	11
15	An operator-difference scheme for abstract Cauchy problems. Computers and Mathematics With Applications, 2011, 61, 1855-1872.	2.7	10
16	Time and frequency responses of non-integer order RLC circuits. AIMS Mathematics, 2019, 4, 64-78.	1.6	10
17	Double Controlled Partial Metric Type Spaces and Convergence Results. Journal of Mathematics, 2021, 2021, 1-11.	1.0	10
18	Recent Developments on Operator-Difference Schemes for Solving Nonlocal BVPs for the Wave Equation. Discrete Dynamics in Nature and Society, 2011, 2011, 1-14.	0.9	8

#	Article	IF	Citations
19	Decomposition of a second-order linear time-varying differential system as the series connection of two first order commutative pairs. Open Mathematics, 2016, 14, 693-704.	1.0	7
20	Transitivity of Commutativity for Second-Order Linear Time-Varying Analog Systems. Circuits, Systems, and Signal Processing, 2019, 38, 1385-1395.	2.0	6
21	Decomposition of Third-Order Linear Time-Varying Systems into Its Second- and First-Order Commutative Pairs. Circuits, Systems, and Signal Processing, 2019, 38, 4446-4464.	2.0	6
22	Realization of a Fourth-Order Linear Time-Varying Differential System with Nonzero Initial Conditions by Cascaded two Second-Order Commutative Pairs. Circuits, Systems, and Signal Processing, 2021, 40, 3107-3123.	2.0	6
23	Commutativity of Sixth-Order Time-Varying Linear Systems. Circuits, Systems, and Signal Processing, 2021, 40, 4799-4832.	2.0	5
24	A Composite Algorithm for Numerical Solutions of Two-Dimensional Coupled Burgersâ€™ Equations. Journal of Mathematics, 2021, 2021, 1-13.	1.0	4
25	Inverse Commutativity Conditions for Second-Order Linear Time-Varying Systems. Journal of Mathematics, 2017, 2017, 1-6.	1.0	3
26	Numerical Approximation for Nonlinear Noisy Leaky Integrate-and-Fire Neuronal Model. Mathematics, 2019, 7, 363.	2.2	3
27	Commutativity of firstâ€order discreteâ€time linear timeâ€varying systems. Mathematical Methods in the Applied Sciences, 2019, 42, 5274-5292.	2.3	2
28	The Second Order Commutative Pairs of a First Order Linear Time-Varying System. Applied Mathematics and Information Sciences, 2015, 9, 169-174.	0.5	2
29	Analyzing Similarity Solution of Modified Fisher Equation. Journal of Mathematics, 2022, 2022, 1-9.	1.0	2
30	Spectral Approximation of an Oldroyd Liquid Draining down a Porous Vertical Surface. Discrete Dynamics in Nature and Society, 2011, 2011, 1-19.	0.9	1
31	Numerical solutions of telegraph equations with the Dirichlet boundary condition. AIP Conference Proceedings, 2016, , .	0.4	1
32	High-order finite volume approximation for population density model based on quadratic integrate-and-fire neuron. Engineering Computations, 2018, 36, 84-102.	1.4	1
33	Quasilinearization method for nonlinear differential equations with causal operators. Journal of Nonlinear Science and Applications, 2016, 09, 1356-1364.	1.0	1
34	Recent Trends in Computational and Theoretical Aspects in Differential and Difference Equations. Journal of Mathematics, 2017, 2017, 1-1.	1.0	0
35	Transitivity of Commutativity for Linear Time-Varying Physical Systems. Journal of Electrical Engineering and Technology, 2021, 16, 1071-1082.	2.0	0
36	Lame Diferansiyel Denkleminin KomÃ¼tativite KoÅŸullarÄ±. European Journal of Science and Technology, 0, , 211-214.	0.5	0