Tayyaba Akram

List of Publications by Year
in descending order

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		759233	752698
21	2,286	12	20
papers	citations	h-index	g-index

21	21	21	557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An efficient numerical technique based on the extended cubic B-spline functions for solving time fractional Blackâ€“Scholes model. Engineering With Computers, 2022, 38, 1705-1716.	6.1	6
2	Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. Lancet Public Health, The, 2022, 7, e105-e125.	10.0	1,199
3	Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019. JAMA Oncology, 2022, 8, 420.	7.1	719
4	A Hybrid Interpolation Method for Fractional PDEs and Its Applications to Fractional Diffusion and Buckmaster Equations. Mathematical Problems in Engineering, 2022, 2022, 1-12.	1.1	6
5	Exploring healthcare professionalsâ€™ knowledge, attitude, and practices towards pharmacovigilance: a cross-sectional survey. Journal of Pharmaceutical Policy and Practice, 2021, 14, 5.	2.4	17
6	A Numerical Study of Nonlinear Fractional Order Partial Integro-Differential Equation with a Weakly Singular Kernel. Fractal and Fractional, 2021, 5, 85.	3.3	6
7	Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990â€“2019, for 204 countries and territories: the Global Burden of Diseases Study 2019. Lancet HIV,the, 2021, 8, e633-e651.	4.7	56
8	On Unconditionally Stable New Modified Fractional Group Iterative Scheme for the Solution of 2D Time-Fractional Telegraph Model. Symmetry, 2021, 13, 2078.	2.2	7
9	Numerical solution of the time fractional Black-Scholes equation using B-spline technique. AIP Conference Proceedings, 2021, , .	0.4	2
10	Novel Numerical Approach Based on Modified Extended Cubic B-Spline Functions for Solving Non-Linear Time-Fractional Telegraph Equation. Symmetry, 2020, 12, 1154.	2.2	33
11	A Numerical Approach of a Time Fractional Reactionâ€“Diffusion Model with a Non-Singular Kernel. Symmetry, 2020, 12, 1653.	2.2	28
12	DEVELOPMENT AND ANALYSIS OF NEW APPROXIMATION OF EXTENDED CUBIC B-SPLINE TO THE NONLINEAR TIME FRACTIONAL KLEINâ€“GORDON EQUATION. Fractals, 2020, 28, 2040039.	3.7	13
13	Nonlinear waves propagation and stability analysis for planar waves at far field using quintic B-spline collocation method. AEJ - Alexandria Engineering Journal, 2020, 59, 2695-2703.	6.4	17
14	An efficient numerical technique for solving time fractional Burgers equation. AEJ - Alexandria Engineering Journal, 2020, 59, 2201-2220.	6.4	61
15	A numerical study on time fractional Fisher equation using an extended cubic B-spline approximation. Journal of Mathematics and Computer Science, 2020, 22, 85-96.	1.0	30
16	New group iterative schemes for solving the two-dimensional anomalous fractional sub-diffusion equation. Journal of Mathematics and Computer Science, 2020, 22, 119-127.	1.0	10
17	Numerical solution of fractional cable equation via extended cubic B-spline. AIP Conference Proceedings, 2019, , .	0.4	11
18	Extended cubic B-splines in the numerical solution of time fractional telegraph equation. Advances in Difference Equations, 2019, 2019, .	3.5	29

#	Article	IF	Citations
19	An extended cubic B-spline collocation scheme for time fractional sub-diffusion equation. AIP Conference Proceedings, 2019, , .	0.4	11
20	A fully implicit finite difference scheme based on extended cubic B-splines for time fractional advectionâ€“diffusion equation. Advances in Difference Equations, 2018, 2018, .	3.5	25
21	A Galerkin approach to solitary wave propagation for the second-order nonlinear evolution equation based on quartic B-spline functions. International Journal of Computer Mathematics, 0, , 1-0.	1.8	0