Esra Karatas AkgÃ¼l

List of Publications by Year
in descending order

25 papers	424 citations	1040056 9 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	409 citing authors

#	Article	IF	Citations
1	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model. Chinese Journal of Physics, 2022, 77, 1387-1404.	3.9	21
2	Analysis of e-cigarette smoking model by a novel technique. , 2022, , 79-98.		0
3	Fractional modeling of COVID-19 pandemic model with real data from Pakistan under the ABC operator. AIMS Mathematics, 2022, 7, 15939-15964.	1.6	8
4	Analysis of respiratory mechanics models with different kernels. Open Physics, 2022, 20, 609-615.	1.7	13
5	Keller box study for inclined magnetically driven Casson nanofluid over a stretching sheet: single phase model. Physica Scripta, 2021, 96, 065201.	2.5	44
6	New Illustrative Applications of Integral Transforms to Financial Models with Different Fractional Derivatives. Chaos, Solitons and Fractals, 2021, 146, 110877.	5.1	60
7	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. Physica Scripta, 2021, 96, 104010.	2.5	39
8	On solutions of gross domestic product model with different kernels. AEJ - Alexandria Engineering Journal, 2021, 61, 1289-1289.	6.4	2
9	A novel method for analysing the fractal fractional integrator circuit. AEJ - Alexandria Engineering Journal, 2021, 60, 3721-3729.	6.4	29
10	Recovering source term of the time-fractional diffusion equation. Pramana - Journal of Physics, 2021, 95, 1.	1.8	5
11	Frequency Analysis for Functionally Graded Material Cylindrical Shells: A Significant Case Study. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	1
12	A New Application of the Sumudu Transform for the Falling Body Problem. Journal of Function Spaces, 2021, 2021, 1-8.	0.9	1
13	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. Open Physics, 2021, 19, 897-911.	1.7	7
14	Laplace Transform Method for Economic Models with Constant Proportional Caputo Derivative. Fractal and Fractional, 2020, 4, 30.	3.3	24
15	New reproducing kernel functions in the reproducing kernel Sobolev spaces. AIMS Mathematics, 2020, 5, 482-496.	1.6	5
16	A Novel Method for Solutions of Fourth-Order Fractional Boundary Value Problems. Fractal and Fractional, 2019, 3, 33.	3.3	34
17	Solutions of the linear and nonlinear differential equations within the generalized fractional derivatives. Chaos, 2019, 29, 023108.	2.5	101
18	On an improved computational solution for the 3D HCIR PDE in finance. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2019, 27, 207-230.	0.3	3

#	Article	IF	Citations
19	New Numerical Method for Solving Tenth Order Boundary Value Problems. Mathematics, 2018, 6, 245.	2.2	5
20	Reproducing kernel method for strongly non-linear equation. AIP Conference Proceedings, 2018, , .	0.4	0
21	A homotopy perturbation solution for solving highly nonlinear fluid flow problem arising in mechanical engineering. AIP Conference Proceedings, 2018, , .	0.4	2
22	Reproducing kernel Hilbert space method for nonlinear boundaryâ€value problems. Mathematical Methods in the Applied Sciences, 2018, 41, 9142-9151.	2.3	6
23	New numerical simulation of the oscillatory phenomena occurring in the bioethanol production process. Biomass Conversion and Biorefinery, 0, , 1.	4.6	0
24	Numerical investigation of generalized perturbed Zakharovâ€"Kuznetsov equation of fractional order in dusty plasma. Waves in Random and Complex Media, 0, , 1-20.	2.7	2
25	Mechanical improvement in solar aircraft by using tangent hyperbolic single-phase nanofluid. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110593.	2.5	12