

Esra Karatas AkgÃ¼l

List of Publications by Year in descending order

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Version: 2024-02-01

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	Solutions of the linear and nonlinear differential equations within the generalized fractional derivatives. <i>Chaos</i> , 2019, 29, 023108.	2.5	101
2	New Illustrative Applications of Integral Transforms to Financial Models with Different Fractional Derivatives. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110877.	5.1	60
3	Keller box study for inclined magnetically driven Casson nanofluid over a stretching sheet: single phase model. <i>Physica Scripta</i> , 2021, 96, 065201.	2.5	44
4	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. <i>Physica Scripta</i> , 2021, 96, 104010.	2.5	39
5	A Novel Method for Solutions of Fourth-Order Fractional Boundary Value Problems. <i>Fractal and Fractional</i> , 2019, 3, 33.	3.3	34
6	A novel method for analysing the fractal fractional integrator circuit. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 3721-3729.	6.4	29
7	Laplace Transform Method for Economic Models with Constant Proportional Caputo Derivative. <i>Fractal and Fractional</i> , 2020, 4, 30.	3.3	24
8	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model. <i>Chinese Journal of Physics</i> , 2022, 77, 1387-1404.	3.9	21
9	Analysis of respiratory mechanics models with different kernels. <i>Open Physics</i> , 2022, 20, 609-615.	1.7	13
10	Mechanical improvement in solar aircraft by using tangent hyperbolic single-phase nanofluid. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110593.	2.5	12
11	Fractional modeling of COVID-19 pandemic model with real data from Pakistan under the ABC operator. <i>AIMS Mathematics</i> , 2022, 7, 15939-15964.	1.6	8
12	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. <i>Open Physics</i> , 2021, 19, 897-911.	1.7	7
13	Reproducing kernel Hilbert space method for nonlinear boundary value problems. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 9142-9151.	2.3	6
14	New Numerical Method for Solving Tenth Order Boundary Value Problems. <i>Mathematics</i> , 2018, 6, 245.	2.2	5
15	Recovering source term of the time-fractional diffusion equation. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	1.8	5
16	New reproducing kernel functions in the reproducing kernel Sobolev spaces. <i>AIMS Mathematics</i> , 2020, 5, 482-496.	1.6	5
17	On an improved computational solution for the 3D HCIR PDE in finance. <i>Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica</i> , 2019, 27, 207-230.	0.3	3
18	A homotopy perturbation solution for solving highly nonlinear fluid flow problem arising in mechanical engineering. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	On solutions of gross domestic product model with different kernels. AEJ - Alexandria Engineering Journal, 2021, 61, 1289-1289.	6.4	2
20	Numerical investigation of generalized perturbed Zakharov-Kuznetsov equation of fractional order in dusty plasma. Waves in Random and Complex Media, 0, , 1-20.	2.7	2
21	Frequency Analysis for Functionally Graded Material Cylindrical Shells: A Significant Case Study. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	1
22	A New Application of the Sumudu Transform for the Falling Body Problem. Journal of Function Spaces, 2021, 2021, 1-8.	0.9	1
23	Reproducing kernel method for strongly non-linear equation. AIP Conference Proceedings, 2018, , .	0.4	0
24	New numerical simulation of the oscillatory phenomena occurring in the bioethanol production process. Biomass Conversion and Biorefinery, 0, , 1.	4.6	0
25	Analysis of e-cigarette smoking model by a novel technique. , 2022, , 79-98.		0