

ZAILAN SIRI

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Examination of Half-Sweep Closed Newtonâ€“Cotes Quadrature Schemes in Solving Dense System. Studies in Systems, Decision and Control, 2022, , 413-430.	0.8	0
2	Similarity solution for induced magnetic field boundary layer flow of metallic nanofluids via convectively inclined stationary/moving flat plate: Spectral relaxation computation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	0.9	10
3	Econometric Analysis of Macroeconomic to Age-Specific Mortality Rate in Malaysia: Evidence from Panel Data. Journal of Mathematics, 2022, 2022, 1-13.	0.5	1
4	Mathematical modeling of COVID-19 pandemic in India using Caputo-Fabrizio fractional derivative. Computers in Biology and Medicine, 2022, 145, 105518.	3.9	34
5	Investigation of the Generalized Proportional Langevin and Sturmâ€“Liouville Fractional Differential Equations via Variable Coefficients and Antiperiodic Boundary Conditions with a Control Theory Application Arising from Complex Networks. Mathematical Problems in Engineering, 2022, 2022, 1-21.	0.6	7
6	A Comparative Analysis of the Forecasted Mortality Rate under Normal Conditions and the COVID-19 Excess Mortality Rate in Malaysia. Journal of Mathematics, 2022, 2022, 1-12.	0.5	0
7	Mathematical Modeling Research Output Impacting New Technological Development: An Axiomatization to Build Novelty. Axioms, 2022, 11, 264.	0.9	3
8	Upper-convected Maxwell fluid analysis over a horizontal wedge using Cattaneo-Christov heat flux model. Thermal Science, 2021, 25, 1013-1021.	0.5	7
9	Numerical Solutions for Heat Transfer of An Unsteady Cavity with Viscous Heating. Computers, Materials and Continua, 2021, 68, 319-336.	1.5	13
10	Thermal performance analysis for moderate Rayleigh numbers of Newtonian hybrid nanofluid-filled U-shaped cavity with various thermal profiles. Physics of Fluids, 2021, 33, .	1.6	19
11	Natural convection from a bottom heated of an asymmetrical U-shaped enclosure with nano-encapsulated phase change material. Journal of Energy Storage, 2021, 38, 102538.	3.9	14
12	Model fitting for Malaysian mortality rate: Comparison of Heligman-Pollard and P-splines smoothing. Journal of Physics: Conference Series, 2021, 1988, 012094.	0.3	0
13	Existence and U-H-R Stability of Solutions to the Implicit Nonlinear FBVP in the Variable Order Settings. Mathematics, 2021, 9, 1693.	1.1	15
14	Monotone Iterative Method for $\tilde{\Gamma}$ -Caputo Fractional Differential Equation with Nonlinear Boundary Conditions. Fractal and Fractional, 2021, 5, 81.	1.6	30
15	New Exact Soliton Solutions of the ($\langle \mathit{http://www.w3.org/1998/Math/MathML} \mathit{id}=\mathit{M1} \rangle$) Tj ETQq1 1 0.784314 rgBT /Over Wazwazâ€“Benjaminâ€“Bonaâ€“Mahony Equation via Two Novel Techniques. Journal of Function Spaces, 2021, 2021, 1-13.	0.4	15
16	Viscous heating and cooling process in a mixed convection cavity with free-slip effect. Case Studies in Thermal Engineering, 2021, 28, 101349.	2.8	9
17	On the Oscillation of Even-Order Nonlinear Differential Equations with Mixed Neutral Terms. Journal of Function Spaces, 2021, 2021, 1-6.	0.4	2
18	Effect of thermal radiation on natural convection of a nanofluid in a square cavity with a solid body. Thermal Science, 2021, 25, 1949-1961.	0.5	4

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19	Influence of Thin Baffle and Magnetic Field on Buoyant Convection in a Vertical Annulus. Lecture Notes in Mechanical Engineering, 2021, , 105-119.	0.3	2
20	A Generalized ML-Hyers-Ulam Stability of Quadratic Fractional Integral Equation. Nonlinear Engineering, 2021, 10, 414-427.	1.4	37
21	Entropy Analysis and Melting Heat Transfer in the Carreau Thin Hybrid Nanofluid Film Flow. Mathematics, 2021, 9, 3092.	1.1	10
22	Novel Investigation of Multivariable Conformable Calculus for Modeling Scientific Phenomena. Journal of Mathematics, 2021, 2021, 1-12.	0.5	1
23	Buoyant Marangoni convection of nanofluids in right-angled trapezoidal cavity. Numerical Heat Transfer; Part A: Applications, 2020, 78, 656-673.	1.2	3
24	Rayleigh-Bénard convection in Maxwell nanofluids layer saturated in a rotating porous medium with feedback control subjected to viscosity and thermal conductivity variations. Applied Nanoscience (Switzerland), 2020, 10, 3085-3095.	1.6	1
25	Chaotic convection in an Oldroyd viscoelastic fluid in saturated porous medium with feedback control. Chaos, 2020, 30, 073109.	1.0	18
26	Role of fluid-structure interaction in mixed convection from a circular cylinder in a square enclosure with double flexible oscillating fins. International Journal of Mechanical Sciences, 2019, 161-162, 105080.	3.6	13
27	Mean Monte Carlo Finite Difference Method for Random Sampling of a Nonlinear Epidemic System. Sociological Methods and Research, 2019, 48, 34-61.	4.3	10
28	Fully Developed Magnetoconvective Heat Transfer in Vertical Double-Passage Porous Annuli. Springer Transactions in Civil and Environmental Engineering, 2018, , 217-249.	0.3	4
29	MHD flow of Carreau nanofluid over a stretching surface with suction/injection and slip effects by using Haar wavelet quasilinearization method. Journal of Physics: Conference Series, 2018, 1139, 012073.	0.3	1
30	Effect of solid body aspect ratio on natural convection of nanofluid in a square cavity. Journal of Physics: Conference Series, 2018, 1139, 012082.	0.3	0
31	A non-conventional hybrid numerical approach with multi-dimensional random sampling for cocaine abuse in Spain. International Journal of Biomathematics, 2018, 11, 1850110.	1.5	3
32	Heat transfer over a steady stretching surface in the presence of suction. Boundary Value Problems, 2018, 2018, .	0.3	13
33	Effects of internal heat source and sores on the onset of Rayleigh-Bénard convection in a nanofluid layer. AIP Conference Proceedings, 2018, , .	0.3	0
34	Soret and Dufour effects on doubly diffusive convection of nanofluid over a wedge in the presence of thermal radiation and suction. Scientia Iranica, 2018, .	0.3	1
35	Control strategy on the double-diffusive convection in a nanofluid layer with internal heat generation. Physics of Fluids, 2017, 29, .	1.6	11
36	On oscillatory magnetoconvection in a nanofluid layer in the presence of internal heat source and Soret effect. AIP Conference Proceedings, 2017, , .	0.3	1

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37	The effect of magnetic field on Marangoni convection in a nanofluid layer with internal heat source. AIP Conference Proceedings, 2017, , .	0.3	0
38	A STUDY ON LONGEVITY FACTOR: THE CASE OF GOVERNMENT PENSIONER IN MALAYSIA. International Journal of Business and Society, 2017, 16, .	0.5	1
39	Natural convection in an oblique porous cavity with non-uniform heating. AIP Conference Proceedings, 2016, , .	0.3	0
40	Effect of Chemical Reaction on Convective Heat Transfer of Boundary Layer Flow in Nanofluid over a Wedge with Heat Generation/Absorption and Suction. Journal of Applied Fluid Mechanics, 2016, 9, 379-388.	0.4	58
41	On mild and strong solutions of fractional differential equations with delay. AIP Conference Proceedings, 2015, , .	0.3	2
42	Effects of various thermal boundary conditions on natural convection in porous cavities. AIP Conference Proceedings, 2015, , .	0.3	0
43	Existence of a coupled system of fractional differential equations. AIP Conference Proceedings, 2015, , .	0.3	0
44	Numerical solution for weight reduction model due to health campaigns in Spain. AIP Conference Proceedings, 2015, , .	0.3	2
45	Effect of thermal radiation and suction on convective heat transfer of nanofluid along a wedge in the presence of heat generation/absorption. AIP Conference Proceedings, 2015, , .	0.3	2
46	Effects of chemical reaction on MHD mixed convection stagnation point flow toward a vertical plate in a porous medium with radiation and heat generation. Journal of Physics: Conference Series, 2015, 662, 012014.	0.3	7
47	Existence Results for a Family of Equations of Fractional Resolvent. Sains Malaysiana, 2015, 44, 295-300.	0.3	4
48	Effect of wall inclination on natural convection in a porous trapezoidal cavity. , 2014, , .		7
49	Analysis of mortality trends by specific ethnic groups and age groups in Malaysia. , 2014, , .		4
50	Natural convection in a triangular enclosure filled with porous media. , 2014, , .		1
51	The impact on pension liabilities of Malaysian government pension scheme from remarriage due to removal of pension clause. , 2014, , .		0
52	"Butterfly effect" in porous BÃ©nard convection heated from below. AIP Conference Proceedings, 2014, , .	0.3	2
53	Convective heat transfer of nanofluid past a wedge in the presence of heat generation/absorption with suction/injection. , 2014, , .		4
54	Direct numerical methods for solving a class of third-order partial differential equations. Applied Mathematics and Computation, 2014, 247, 663-674.	1.4	12

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55	Embedded explicit Runge-Kutta type methods for directly solving special third order differential equations. <i>Applied Mathematics and Computation</i> , 2014, 240, 281-293.	1.4	15
56	A Third-Order Direct Integrators of Runge-Kutta Type for Special Third-Order Ordinary and Delay Differential Equations. <i>Asian Journal of Applied Sciences</i> , 2014, 7, 102-116.	0.4	2
57	Effect of aspect ratio on natural convection in an inclined rectangular enclosure with sinusoidal boundary condition. <i>International Communications in Heat and Mass Transfer</i> , 2013, 45, 75-85.	2.9	71
58	Effect of discrete heating on magneto-convection in a cavity. , 2013, , .		0
59	Natural convection in an inclined square enclosure subject to sinusoidal temperature profile. , 2013, , .		1
60	On a Five-Dimensional Chaotic System Arising from Double-Diffusive Convection in a Fluid Layer. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-10.	0.3	4
61	A Three-Stage Fifth-Order Runge-Kutta Method for Directly Solving Special Third-Order Differential Equation with Application to Thin Film Flow Problem. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	0.6	19
62	Directly Solving Special Second Order Delay Differential Equations Using Runge-Kutta-Nystr�m Method. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	0.6	9
63	Partial Newton methods for a system of equations. <i>Numerical Algebra, Control and Optimization</i> , 2013, 3, 463-469.	1.0	1
64	Newton-Raphson based computation of i_{inf} and d_{inf} in the field weakening region of IPM motor incorporating the stator resistance to improve the performance. , 2012, , .		4
65	Effects of rotation and feedback control on Bénard-Marangoni convection. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 5770-5775.	2.5	17
66	Control of Oscillatory of Bénard-Marangoni Convection in Rotating Fluid Layer. , 2009, , .		2
67	Control of oscillatory Marangoni convection in a rotating fluid layer. <i>International Communications in Heat and Mass Transfer</i> , 2008, 35, 1130-1133.	2.9	16
68	Stabilization of Steady and Oscillatory Marangoni Instability in Rotating Fluid Layer by Feedback Control Strategy. <i>Numerical Heat Transfer; Part A: Applications</i> , 2008, 54, 647-663.	1.2	24