

Zainal Abdul Aziz

List of Publications by Year in descending order

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35
papers

921
citations

623734

14
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of thermal radiation, viscous and Joule heating on electrical MHD nanofluid with double stratification. Chinese Journal of Physics, 2017, 55, 630-651.	3.9	138
2	Impact of thermal radiation on electrical MHD flow of nanofluid over nonlinear stretching sheet with variable thickness. AEJ - Alexandria Engineering Journal, 2018, 57, 2187-2197.	6.4	104
3	Entropy analysis in electrical magnetohydrodynamic (MHD) flow of nanofluid with effects of thermal radiation, viscous dissipation, and chemical reaction. Theoretical and Applied Mechanics Letters, 2017, 7, 235-242.	2.8	95
4	Double stratification effects on unsteady electrical MHD mixed convection flow of nanofluid with viscous dissipation and Joule heating. Journal of Applied Research and Technology, 2017, 15, 464-476.	0.9	92
5	Thermal radiation on unsteady electrical MHD flow of nanofluid over stretching sheet with chemical reaction. Journal of King Saud University - Science, 2019, 31, 804-812.	3.5	86
6	Thermal stratification effects on MHD radiative flow of nanofluid over nonlinear stretching sheet with variable thickness. Journal of Computational Design and Engineering, 2018, 5, 232-242.	3.1	61
7	Slip role for unsteady MHD mixed convection of nanofluid over stretching sheet with thermal radiation and electric field. Indian Journal of Physics, 2020, 94, 195-207.	1.8	59
8	Numerical study of entropy analysis for electrical unsteady natural magnetohydrodynamic flow of nanofluid and heat transfer. Chinese Journal of Physics, 2017, 55, 1821-1848.	3.9	49
9	Stratified electromagnetohydrodynamic flow of nanofluid supporting convective role. Korean Journal of Chemical Engineering, 2019, 36, 1021-1032.	2.7	47
10	ENTROPY ANALYSIS OF UNSTEADY MAGNETOHYDRODYNAMIC NANOFUID OVER STRETCHING SHEET WITH ELECTRIC FIELD. International Journal for Multiscale Computational Engineering, 2017, 15, 545-565.	1.2	26
11	Unsteady EMHD dual stratified flow of nanofluid with slips impacts. AEJ - Alexandria Engineering Journal, 2020, 59, 177-189.	6.4	24
12	Vibration analysis of cross-ply laminated truncated conical shells using a spline method. Journal of Engineering Mathematics, 2012, 76, 139-156.	1.2	23
13	Modelling contaminant transport for pumping wells in riverbank filtration systems. Journal of Environmental Management, 2016, 165, 159-166.	7.8	22
14	Hydromagnetic slip flow of nanofluid with thermal stratification and convective heating. Australian Journal of Mechanical Engineering, 2020, 18, 147-155.	2.1	18
15	Effects of slip and convective conditions on MHD flow of nanofluid over a porous nonlinear stretching/shrinking sheet. Australian Journal of Mechanical Engineering, 0, , 1-17.	2.1	17
16	Solute transport modelling to manage groundwater pollution from surface water resources. Journal of Contaminant Hydrology, 2020, 233, 103662.	3.3	11
17	Free vibration of symmetric angle-ply laminated cylindrical shells of variable thickness. Acta Mechanica, 2011, 221, 309-319.	2.1	10
18	Approximate Analytical Solution for the Forced Korteweg-de Vries Equation. Journal of Applied Mathematics, 2013, 2013, 1-9.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Numerical Solution for Kawahara Equation by Using Spectral Methods. IERI Procedia, 2014, 10, 259-265.	0.3	8
20	Fourth-Order Time Stepping for Stiff PDEs via Integrating Factor. Advanced Science Letters, 2013, 19, 170-173.	0.2	7
21	Modelling and optimization for palm oil plantation management. AIP Conference Proceedings, 2016, , .	0.4	4
22	MHD Accelerated Flow of Maxwell Fluid in a Porous Medium and Rotating Frame. ISRN Mathematical Analysis, 2013, 2013, 1-10.	0.4	3
23	A New Homotopy Analysis Method for Approximating the Analytic Solution of KdV Equation. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 826-831.	0.1	2
24	Modeling of information flows in natural gas storage facility. , 2013, , .		1
25	Free vibration of symmetric angle-ply laminated circular cylindrical shells. IOP Conference Series: Earth and Environmental Science, 2014, 19, 012010.	0.3	1
26	Numerical Solution of the Nonlinear Wave Equation via Fourth-Order Time Stepping. Applied Mechanics and Materials, 0, 729, 213-219.	0.2	1
27	Modeling water chemistry change and contaminant transport in riverbank filtration systems. AIP Conference Proceedings, 2016, , .	0.4	1
28	Analytical solutions of contaminant transport in homogeneous and isotropic aquifer in three-dimensional groundwater flow. Environmental Science and Pollution Research, 2022, 29, 87114-87131.	5.3	1
29	Displacement by SV Waves in Fluid Saturated Medium. , 2010, , .		0
30	An effective technique for solving Korteweg de-Vries equation by combination of homotopy perturbation method and Pad� approximant. , 2014, , .		0
31	Application of finite difference method in MHD differential type fluid flow in rotating frame. , 2014, , .		0
32	Response to (Comment on the paper ‘‘Theoretical & Applied Mechanics Letters 7 (2017) 235-242’’). Theoretical and Applied Mechanics Letters, 2019, 9, 274-275.	2.8	0
33	Flow over underwater inclination plane using forced Korteweg-de Vries via homotopy analysis method. AIP Conference Proceedings, 2020, , .	0.4	0
34	Critical flow over an uneven bottom topography using Forced Korteweg-de Vries (fKdV). Journal of Physics: Conference Series, 2021, 1770, 012042.	0.4	0
35	Three dimensional model for solute transport induced by groundwater abstraction in river-aquifer systems. AEJ - Alexandria Engineering Journal, 2021, 60, 2573-2582.	6.4	0