



Faculty of Science
mathematics department

No.	Title	Authors	Title Journals	Impact Factor
١	THE EFFECT OF DUAL-PHASE-LAG MODEL ON REFLECTION OF THERMOELASTIC WAVES IN A SOLID HALF SPACE WITH VARIABLE MATERIAL PROPERTIES	A. M. Zenkour D. S. Mashat1 A. E. Abouelrega,4	Acta Mechanica Solida Sinica	0.651
٢	Analysis of sandwich plates with a new layerwise formulation	D.A. Maturi , A.J.M. Ferreira ,, A.M. Zenkour, D.S. Mashat	Composites Part B-Engineering	2.602
٣	The Effect of Rotation and Initial Stress on Thermal Shock Problem for a Fiber-Reinforced Anisotropic Half-Space Using Green-Naghdi Theory	Ibrahim A. Abbas and Ashraf M. Zenkour	Journal Of Computational And Theoretical Nanoscience	1.032
٤	Effects of hygrothermal conditions on cross-ply laminated plates resting on elastic foundations	A.M. Zenkoura,b,n, M.N.M. Allamc, A.F. Radwanc	archives of civil and mechanical engineering	1.331
٥	Dual-Phase-Lag Model on Thermoelastic Interactions in a Semi-Infinite Medium Subjected to a Ramp-Type Heating	Ibrahim A. Abbas1 and Ashraf M. Zenkour	Journal Of Computational And Theoretical Nanoscience	1.032
٦	Use of axiomatic/asymptotic approach to evaluate various refined theories for sandwich shells	Daoud S. Mashat a, Erasmo Carrera , Ashraf M. Zenkour Sadah A. AlKhateeb	Composite Structures	3.12
٧	On the magneto-thermo-elastic responses of FG annular sandwich disks	Ashraf M. Zenkour	International Journal Of Engineering Science	2.291
٨	Use of axiomatic/asymptotic approach to evaluate various refined theories for sandwich shells	Daoud S. Mashat a, Erasmo Carrera , Ashraf M. Zenkour Sadah	Composite Structures	3.12



		A. AlKhateeb		
٩	On the magneto-thermo-elastic responses of FG annular sandwich disks	Ashraf M. Zenkour	International Journal Of Engineering Science	2.291
١٠	State-space approach for an infinite medium with a spherical cavity based upon two-temperature generalized thermoelasticity theory and fractional heat conduction	Ashraf M. Zenkour and Ahmed E. Abouelregal	Zeitschrift Fur Angewandte Mathematik Und Physik	2.214
١١	Analysis of thick isotropic and cross-ply laminated plates by generalized differential quadrature method and a Unified Formulation	A.J.M. Ferreira E. Carrera bM. Cinefra Viola , F. Tornabene , N. Fantuzzi , A.M. Zenkour	Composites Part B-Engineering	2.602
١٢	Free vibration of FGM layered beams by various theories and finite elements	Daoud S. Mashat a, E. Carrera a,b, Ashraf M. Zenkour a,c, Sadah A. Al Khateeb a, M. Filippi	Composites Part B-Engineering	2.602
١٣	A refined four-unknown plate theory for advanced plates resting on elastic foundations in hygrothermal environment	Sadah A. Al Khateeb a, Ashraf M. Zenkour	Composite Structures	٣.١٢
١٤	Semi-Analytical and Numerical Solution of Fractional Order Generalized Thermoelastic in a Semi-Infinite Medium	Ibrahim A. Abbas and Ashraf M. Zenkour	Journal Of Computational And Theoretical Nanoscience	1.032
١٥	Analysis of Functionally Graded Material Plates Using Triangular Elements with Cell-Based Smoothed Discrete Shear Gap Method	S. Natarajan,1 A. J. M. Ferreira,S. Bordas,4 E. Carrera, M. Cinefra,5and A. M. Zenkour	Mathematical Problems In Engineering	1.082
١٦	Hygrothermal bending analysis of a sector-shaped annular plate with variable radial thickness	D.S. Mashat a, A.M. Zenkour	Composite Structures	3.12
١٧	Analysis of Functionally Graded Piezoelectric Cylinders in a Hygrothermal Environment	M. N. M. Allam1, A. M. Zenkour and R. Tantawy	Advances in Applied Mathematics and Mechanics	.645
١٨	Hygrothermoelastic responses of inhomogeneous piezoelectric and exponentially graded cylinders	A.M. Zenkour	International Journal Of Pressure Vessels And Piping	1.078



١٩	Nonlinear Transient Thermal Stress Analysis of Temperature-Dependent Hollow Cylinders Using a Finite Element Model	Ashraf M. Zenkour and Ibrahim A. Abbas	International Journal Of Structural Stability And Dynamics	1.59
٢٠	Hygrothermal analysis of antisymmetric cross-ply laminates using a refined plate theory	A. M. Zenkour D. S. Mashat R. A. Alghanmi	International Journal of Mechanics and Materials in Design	0.732
٢١	Analysis of three-layer composite plates with a new higher-order layerwise formulation	Dalal A. Maturi, Antonio J.M. Ferreira, Ashraf M. Zenkour and Daoud S. Mashat	Science And Engineering Of Composite Materials	0.593
٢٢	Simplified Theory for Hygrothermal Response of Angle-Ply Composite Plates	Ashraf M. Zenkour	Aiaa Journal	1.165
٢٣	The effect of two temperatures on a FG nanobeam induced by a sinusoidal pulse heating	Ashraf M. Zenkour and Ahmed E. Abouelregal	Structural Engineering And Mechanics	0.803
٢٤	On the Generalized Thermoelasticity Problem for an Infinite Fibre-Reinforced Thick Plate under Initial Stress	Ahmed E. Abouelregal1, and Ashraf M. Zenkour	Advances in Applied Mathematics and Mechanics	0.645
٢٥	Generalized Thermoelastic Vibration of an Axially Moving Clamped Microbeam Subjected to Ramp-Type Thermal Loading	Ashraf M. Zenkour , Ahmed E. Abouelregal & Ibrahim A. Abbas	Journal Of Thermal Stresses	1.169
٢٦	Magneto-thermoelastic response of an infinite functionally graded cylinder using the finite element method	Ashraf M Zenkour1,2 and Ibrahim A Abbas	Journal Of Vibration And Control	4.355
٢٧	Thermal shock problem for a fiber-reinforced anisotropic half-space placed in a magnetic field via G-N model	Applied Mathematics and Computation	Applied Mathematics And Computation	1.6
٢٨	Free vibration analysis of doubly convex/concave functionally graded sandwich beams	Ashraf M. Zenkour1, Ibrahim A. Abbas2	Journal of Vibroengineering	.66
٢٩	Torsional analysis of heterogeneous magnetic circular cylinder	Ashraf M. Zenkour	Steel & Composite Structures	0.719
٣٠	A refined nonlocal thermoelasticity theory for the vibration of nanobeams induced by ramp-type	Ashraf M. Zenkour	Applied Mathematics And Computation	1.6



	heating			
٣١	Evaluation of refined theories for multilayered shells via Axiomatic/Asymptotic method†	Ashraf M. Zenkour	Journal Of Mechanical Science And Technology	0.703
٣٢	EFFECTS OF TRANSVERSE SHEAR AND NORMAL STRAINS ON FG PLATES RESTING ON ELASTIC FOUNDATIONS UNDER HYGRO-THERMO-MECHANICAL LOADING	Ashraf M. Zenkour	International Journal of Applied Mechanics	1.293
٣٣	EFFECT OF PHASE LAGS ON THERMOELASTIC FUNCTIONALLY GRADED MICROBEAMS SUBJECTED TO RAMP-TYPE HEATING*	A. E. ABOUELREG AL1 AND A. M. ZENKOUR	IJST, Transactions of Mechanical Engineering	0.581
٣٤	Exact solution of thermal stress problem of an inhomogeneous hygrothermal piezoelectric hollow cylinder	Ashraf M. Zenkour	Applied Mathematical Modelling	2.185
٣٥	Vibration of FG nanobeams induced by sinusoidal pulse-heating via a nonlocal thermoelastic model	Ashraf M. Zenkour · Ahmed E. Abouelregal	Acta Mechanica	1.268
٣٦	Bending of inhomogeneous sandwich plates with viscoelastic cores	A. M. Zenkour, H. F. El-Mekawy	Journal of Vibroengineering	0.66
٣٧	Nonlocal thermoelastic vibrations for variable thermal conductivity nanobeams due to harmonically varying heat	Ashraf M. Zenkour, Ahmed E. Abouelrega	Journal of Vibroengineering	0.66
٣٨	The Effect of Polarization Potentials on Proton-Lithium Inelastic Scattering□	S. A. ElkilanyA. A. Al-Dawy	Chinese Physics Letters	0.924
٣٩	Effect of Polarization Potential on Proton–Sodium Inelastic Scattering	S. A. Elkilany	Brazilian Journal Of Physics	0.683
٤٠	Levy-type solution for bending of single-layered graphene sheets in thermal environment using the two-variable plate theory	Mohammed Sobhy	International Journal Of Mechanical Sciences	2.061
٤١	Thermodynamical Bending of FGM Sandwich Plates Resting on Pasternak’s Elastic Foundations	Mohammed Sobhy and Ashraf M. Zenkour	Advances in Applied Mathematics and Mechanics	0.645
٤٢	Natural Frequency and Buckling of Orthotropic Nanoplates Resting on Two-Parameter Elastic Foundations with Various Boundary Conditions	M. Sobhy	Journal Of Mechanics	0.314



كلية العلوم ٢٠١٥/٢٠١٤



٤٣	Generalized two-variable plate theory for multi-layered graphene sheets with arbitrary boundary conditions	Mohammed Sobhy	Acta Mechanica	1,268
٤٤	Formation of antihydrogen in antiproton positronium inelastic scattering	S A Elkilany	Indian J Phys	1,785