Mohammad Ivan Azis

List of Publications by Year
in descending order

57 papers	398 citations	933447 10 h-index	839539 18 g-index
58 all docs	58 docs citations	58 times ranked	99 citing authors

#	Article	IF	Citations
1	Nonlinear transient heat conduction problems for a class of inhomogeneous anisotropic materials by BEM. Engineering Analysis With Boundary Elements, 2008, 32, 1054-1060.	3.7	38
2	A boundary element method for a class of elliptic boundary value problems of functionally graded media. Engineering Analysis With Boundary Elements, 2017, 84, 186-190.	3.7	34
3	Standard-BEM solutions to two types of anisotropic-diffusion convection reaction equations with variable coefficients. Engineering Analysis With Boundary Elements, 2019, 105, 87-93.	3.7	32
4	A boundary element method for anisotropic inhomogeneous elasticity. International Journal of Solids and Structures, 2001, 38, 5747-5763.	2.7	31
5	Numerical solutions for the Helmholtz boundary value problems of anisotropic homogeneous media. Journal of Computational Physics, 2019, 381, 42-51.	3.8	29
6	FUNDAMENTAL SOLUTIONS TO TWO TYPES OF 2D BOUNDARY VALUE PROBLEMS OF ANISOTROPIC MATERIALS. Far East Journal of Mathematical Sciences, 2017, 101, 2405-2420.	0.0	27
7	BEM SOLUTIONS FOR UNSTEADY TRANSPORT PROBLEMS IN ANISOTROPIC MEDIA. JP Journal of Heat and Mass Transfer, 2018, 15, 915-934.	0.2	26
8	A note on a boundary element method for the numerical solution of boundary value problems in isotropic inhomogeneous elasticity. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2000, 23, 261-268.	1.1	19
9	A BOUNDARY ELEMENT METHOD FOR 2D DIFFUSION-CONVECTION PROBLEMS IN ANISOTROPIC MEDIA. Far East Journal of Mathematical Sciences, 2017, 102, 1593-1603.	0.0	19
10	1D–2D Numerical Model for Wave Attenuation by Mangroves as a Porous Structure. Computation, 2021, 9, 66.	2.0	14
11	Numerical simulation of two-dimensional modified Helmholtz problems for anisotropic functionally graded materials. Journal of King Saud University - Science, 2020, 32, 2096-2102.	3.5	11
12	The meshless local Petrov–Galerkin method based on moving Taylor polynomial approximation to investigate unsteady diffusion–convection problems of anisotropic functionally graded materials related to incompressible flow. Engineering Analysis With Boundary Elements, 2021, 132, 469-480.	3.7	11
13	Stability and Optimal Harvesting of Modified Leslie-Gower Predator-Prey Model. Journal of Physics: Conference Series, 2018, 979, 012069.	0.4	10
14	On One-Dimensional Quaternion Fourier Transform. Journal of Physics: Conference Series, 2019, 1341, 062004.	0.4	9
15	A boundary element method for steady infiltration from periodic channels. ANZIAM Journal, 0, 44, 61.	0.0	9
16	An LT-BEM for an unsteady diffusion-convection problem of another class of anisotropic FGMs. International Journal of Computer Mathematics, 2022, 99, 575-590.	1.8	6
17	A boundary-only integral equation method for parabolic problems of another class of anisotropic functionally graded materials. Materials Today Communications, 2021, 26, 101956.	1.9	5
18	An LT-BEM formulation for problems of anisotropic functionally graded materials governed by transient diffusion–convection–reaction equation. Engineering Analysis With Boundary Elements, 2022, 135, 196-205.	3.7	5

#	Article	IF	Citations
19	A boundary element method for the numerical solution of a class of elliptic boundary value problems for anisotropic inhomogeneous media. ANZIAM Journal, 0, 44, 79.	0.0	4
20	Numerical solutions to a class of scalar elliptic BVPs for anisotropic quadratically graded media. IOP Conference Series: Earth and Environmental Science, 2019, 279, 012007.	0.3	3
21	Numerical solutions for BVPs governed by a Helmholtz equation of anisotropic FGM. IOP Conference Series: Earth and Environmental Science, 2019, 279, 012008.	0.3	3
22	Numerical solutions to BVPs governed by the anisotropic modified Helmholtz equation for trigonometrically graded media. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012058.	0.6	3
23	Numerical solutions to anisotropic BVPs for quadratically graded media governed by a Helmholtz equation. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012060.	0.6	3
24	Some Properties Associated with Clifford-Fourier Transform. Journal of Physics: Conference Series, 2019, 1341, 062003.	0.4	3
25	A boundary element method for anisotropic-diffusion convection-reaction equation in quadratically graded media of incompressible flow. Journal of Physics: Conference Series, 2019, 1341, 082003.	0.4	3
26	A numerical study on the effect of the material's anisotropy in diffusion convection reaction problems. Journal of Physics: Conference Series, 2019, 1341, 082014.	0.4	3
27	On some examples of BEM solution to elasticity problems of isotropic functionally graded materials. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012018.	0.6	3
28	A boundary element method with analytical integration for deformation of inhomogeneous elastic materials. Journal of Physics: Conference Series, 2018, 979, 012072.	0.4	2
29	BEM solutions to exponentially variable coefficient Helmholtz equation of anisotropic media. Journal of Physics: Conference Series, 2019, 1277, 012036.	0.4	2
30	Discrete Double-Sided Quaternionic Fourier Transform and Application. Journal of Physics: Conference Series, 2019, 1341, 062001.	0.4	2
31	A class of variable coefficient elliptic equations solved using BEM. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012025.	0.6	2
32	Numerical solutions to anisotropic FGM BVPs governed by the modified Helmholtz type equation. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012061.	0.6	2
33	Diffusion convection-reaction equation in exponentially graded media of incompressible flow: Boundary element method solutions. Journal of Physics: Conference Series, 2019, 1341, 082004.	0.4	2
34	On the derivation of a boundary element method for diffusion convection-reaction problems of compressible flow in exponentially inhomogeneous media. Journal of Physics: Conference Series, 2019, 1341, 062013.	0.4	2
35	Numerical solution to diffusion convection-reaction equation with trigonometrically variable coefficients of incompressible flow. Journal of Physics: Conference Series, 2019, 1341, 082005.	0.4	2
36	Numerical simulation for anisotropic-diffusion convection reaction problems of inhomogeneous media. Journal of Physics: Conference Series, 2019, 1341, 082013.	0.4	2

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37	Investigation of generalized Couette hydromagnetic flow of two-step exothermic chemical reaction in a channel via the direct meshless local Petrov–Galerkin method. Engineering Analysis With Boundary Elements, 2021, 125, 178-189.	3.7	2
38	NUMERICAL SOLUTIONS FOR 2D UNSTEADY LAPLACE-TYPE PROBLEMS OF ANISOTROPIC FUNCTIONALLY GRADED MATERIALS. Mathematical Modelling and Analysis, 2022, 27, 303-321.	1.5	2
39	On some examples of pollutant transport problems solved numerically using the boundary element method. Journal of Physics: Conference Series, 2018, 979, 012075.	0.4	1
40	A Kinetic Modelling of Enzyme Inhibitions in the Central Metabolism of Yeast Cells. Journal of Physics: Conference Series, 2018, 979, 012066.	0.4	1
41	BEM solutions to BVPs governed by the anisotropic modified Helmholtz equation for quadratically graded media. IOP Conference Series: Earth and Environmental Science, 2019, 279, 012010.	0.3	1
42	Commutative part of skew polynomial ring over split-octonion. Journal of Physics: Conference Series, 2019, 1341, 062016.	0.4	1
43	BEM solutions to a class of elliptic BVPs for anisotropic trigonometrically graded media. IOP Conference Series: Materials Science and Engineering, 2019, 619, 012059.	0.6	1
44	Boundary value problems governed by Helmholtz equation for anisotropic trigonometrically graded materials: A boundary element method solution. Journal of Physics: Conference Series, 2019, 1341, 062007.	0.4	1
45	A boundary element method solution to spatially variable coefficients diffusion convection equation of anisotropic media. Journal of Physics: Conference Series, 2019, 1341, 062018.	0.4	1
46	Boundary element method solutions for steady anisotropic-diffusion convection problems of incompressible flow in quadratically graded media. Journal of Physics: Conference Series, 2019, 1341, 062019.	0.4	1
47	On the effect of the material's anisotropy: a numerical investigation for the modified Helmholtz problems of homogeneous media. Journal of Physics: Conference Series, 2019, 1341, 082002.	0.4	1
48	Numerical solutions to Helmholtz equation of anisotropic functionally graded materials. Journal of Physics: Conference Series, 2019, 1341, 082012.	0.4	1
49	Numerical solutions for anisotropic-diffusion convection problems of incompressible flow in exponentially graded media. Journal of Physics: Conference Series, 2019, 1341, 082015.	0.4	1
50	Numerical simulation for steady anisotropic-diffusion convection problems of compressible flow in exponentially graded media. Journal of Physics: Conference Series, 2019, 1341, 082016.	0.4	1
51	A boundary integral investigation for unsteady modified Helmholtz problems of some other classes of anisotropic functionally graded materials. International Journal of Computational Materials Science and Engineering, 2021, 10, 2150005.	0.7	1
52	Numerical solutions to a class of scalar elliptic BVPs for anisotropic exponentially graded media. Journal of Physics: Conference Series, 2019, 1218, 012001.	0.4	0
53	Numerical simulation of modified Helmholtz boundary value problems for anisotropic exponentially graded materials. Journal of Physics: Conference Series, 2019, 1341, 062008.	0.4	0
54	Isomorphism From Quaternion To Matrix Ring Over Field $\mathbb{R}$. Journal of Physics: Conference Series, 2019, 1341, 062014.	0.4	0

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55	On the derivation of a boundary element method for steady anisotropic-diffusion convection problems of incompressible flow in trigonometrically graded media. Journal of Physics: Conference Series, 2019, 1341, 062020.	0.4	0
56	Duality Property for Linear Canonical Transform. Journal of Physics: Conference Series, 2019, 1341, 062002.	0.4	0
57	Overview of the Third International Conference on Science (ICOS) 2019. Journal of Physics: Conference Series, 2019, 1341, 011001.	0.4	0