

Soumen De

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

272
citations

9
h-index

13
g-index

68
ext. papers

371
ext. citations

1.8
avg, IF

4.38
L-index

#	Paper	IF	Citations
61	Water wave propagation over an infinite trench. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2022 , 73, 1	1.6	1
60	Radiation of water waves by a heaving submerged disc in a three-layer fluid. <i>Journal of Fluids and Structures</i> , 2022 , 111, 103575	3.1	0
59	Wave interaction with a rectangular bar in the presence of two trenches. <i>Applied Ocean Research</i> , 2022 , 124, 103206	3.4	1
58	Interface Wave Diffraction by a Permeable Thin Barrier. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 59-69	0.4	
57	Water wave propagation over an infinite step in the presence of a thin vertical barrier. <i>Journal of Engineering Mathematics</i> , 2021 , 127, 1	1.2	1
56	Water wave propagation over multiple porous barriers with variable porosity in the presence of an ice cover. <i>Meccanica</i> , 2021 , 56, 1771-1788	2.1	1
55	USE OF GALERKIN TECHNIQUE TO THE ROLLING OF A PLATE IN DEEP WATER. <i>Mathematical Modelling and Analysis</i> , 2021 , 26, 209-222	1.3	
54	Radiation of waves by a submerged nearly circular rough plate in ice-covered ocean. <i>Studies in Applied Mathematics</i> , 2021 , 147, 935-954	2.1	2
53	Reflection of thermoelastic plane waves at a stress-free insulated solid boundary with memory-dependent derivative. <i>Indian Journal of Physics</i> , 2021 , 95, 1203-1211	1.4	0
52	Interaction of flexural gravity wave in ice cover with a pair of bottom-mounted rectangular barriers. <i>Ocean Engineering</i> , 2021 , 220, 108449	3.9	1
51	Propagation of oblique water waves by an asymmetric trench in the presence of surface tension. <i>Journal of Ocean Engineering and Science</i> , 2021 , 6, 206-214	4.4	5
50	Radiation of waves by a thin cap submerged in ice-covered ocean. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2021 , 73, 261-278	1	4
49	Reflection of thermoelastic waves from the isothermal boundary of a solid half-space under memory-dependent heat transfer. <i>Waves in Random and Complex Media</i> , 2021 , 31, 731-748	1.9	2
48	Physics-based smart model for prediction of viscosity of nanofluids containing nanoparticles using deep learning. <i>Journal of Computational Design and Engineering</i> , 2021 , 8, 600-614	4.6	2
47	Effects of flexible bed on oblique wave interaction with multiple surface-piercing porous barriers. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021 , 72, 1	1.6	3
46	A smart model for prediction of viscosity of nanofluids using deep learning. <i>Smart Science</i> , 2020 , 8, 242-255		4
45	Waves in nonlocal thermoelastic solids of type III. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020 , 100, e201900074	1	1

44	Oblique water waves scattering by a thick barrier with rectangular cross section in deep water. <i>Journal of Engineering Mathematics</i> , 2020 , 122, 81-99	1.2	2
43	Waves in magneto-thermoelastic solids under modified Green- Lindsay model. <i>Journal of Thermal Stresses</i> , 2020 , 43, 594-611	2.2	4
42	Oblique wave scattering by two thin non-uniform permeable vertical walls with unequal apertures in water of uniform finite depth. <i>Waves in Random and Complex Media</i> , 2020 , 1-19	1.9	7
41	Reflection of Thermoelastic Waves From the Insulated Surface of a Solid Half-Space With Time-Delay. <i>Journal of Heat Transfer</i> , 2020 , 142,	1.8	4
40	Oblique Wave Scattering by a Symmetric Trench Submerged Beneath an Ice Cover. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020 , 146, 04019030	1.7	0
39	Reflection of plane waves in generalized thermoelasticity of type III with nonlocal effect. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 1313-1336	2.3	19
38	Wave attenuation by multiple thin vertical porous walls in water of uniform finite depth. <i>Ocean Engineering</i> , 2020 , 216, 108072	3.9	1
37	Study of nanoparticle as a drug carrier through stenosed arteries using Bernstein polynomials. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2020 , 21, 243-251 ^{0.7}		4
36	Energy dissipation and oblique wave diffraction by three asymmetrically arranged porous barriers. <i>Ships and Offshore Structures</i> , 2020 , 1-11	1.4	5
35	Water Wave Scattering by a Bottom-Standing Thick Rectangular Barrier in the Presence of an Ice Cover. <i>Journal of Applied Mechanics and Technical Physics</i> , 2020 , 61, 400-408	0.6	1
34	Small amplitude water wave propagation through mangrove forests having thin viscoelastic mud layer. <i>Waves in Random and Complex Media</i> , 2020 , 1-18	1.9	1
33	Use of Galerkin Technique in Some Water Wave Scattering Problems Involving Plane Vertical Barriers. <i>Studies in Systems, Decision and Control</i> , 2020 , 405-432	0.8	
32	Modified Green- Lindsay model on the reflection and propagation of thermoelastic plane waves at an isothermal stress-free surface. <i>Indian Journal of Physics</i> , 2020 , 94, 1215-1225	1.4	7
31	Waves in nonlocal thermoelastic solids of type II. <i>Journal of Thermal Stresses</i> , 2019 , 42, 1153-1170	2.2	23
30	Memory response in plane wave reflection in generalized magneto-thermoelasticity. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1354-1374	1.3	5
29	Water wave scattering by multiple thin vertical barriers. <i>Applied Mathematics and Computation</i> , 2019 , 355, 458-481	2.7	10
28	Analytical Investigation of Nanoparticle as a Drug Carrier Suspended in a MHD Blood Flowing Through an Irregular Shape Stenosed Artery 2019 , 43, 1259-1272		8
27	Oblique water wave diffraction by two vertical porous barriers with nonidentical submerged gaps. <i>Meccanica</i> , 2019 , 54, 1525-1544	2.1	4

26	Effect of Porosity on Oblique Wave Diffraction by Two Unequal Vertical Porous Barriers. <i>Journal of Marine Science and Application</i> , 2019 , 18, 417-432	1.2	9
25	Interaction of oblique waves with an ice sheet over an asymmetric trench. <i>Ocean Engineering</i> , 2019 , 193, 106613	3.9	4
24	Wave propagation through a gap in a thin vertical wall in deep water. <i>Cubo</i> , 2019 , 21, 93-105	1.5	2
23	Oblique scattering by thin vertical barriers in deep water : solution by multi-term Galerkin technique using simple polynomials as basis. <i>Journal of Marine Science and Technology</i> , 2018 , 23, 915-925	1.7	6
22	Effects of vertical porous barrier on progressive waves in a two layered fluid. <i>Ocean Engineering</i> , 2018 , 156, 153-166	3.9	5
21	Investigation of Nanoparticle as a Drug Carrier Suspended in a Blood Flowing Through an Inclined Multiple Stenosed Artery. <i>BioNanoScience</i> , 2018 , 8, 166-178	3.4	17
20	Water wave scattering by two surface-piercing and one submerged thin vertical barriers. <i>Archive of Applied Mechanics</i> , 2018 , 88, 1477-1489	2.2	8
19	Wave scattering by uneven porous bottom in a three layered channel. <i>Journal of Marine Science and Technology</i> , 2017 , 22, 533-545	1.7	3
18	Transport of Spherical Nanoparticles Suspended in a Blood Flowing Through Stenose Artery Under the Influence of Brownian Motion. <i>Journal of Nanofluids</i> , 2017 , 6, 87-96	2.2	8
17	Analytical Solution of Mathematical Model of Magnetohydrodynamic Blood Nanofluid Flowing Through an Inclined Multiple Stenosed Artery. <i>Journal of Nanofluids</i> , 2017 , 6, 1198-1205	2.2	12
16	Analysis of non-linear pulsatile blood flow in artery through a generalized multiple stenosis. <i>Arabian Journal of Mathematics</i> , 2016 , 5, 51-61	0.8	11
15	Numerical Simulation of Nonlinear Pulsatile Newtonian Blood Flow through a Multiple Stenosed Artery. <i>International Scholarly Research Notices</i> , 2015 , 2015, 628605	0	1
14	Scattering of Water Wave by Undulating Porous Bed Topography in an Ice-Covered Ocean. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 257-269	0.2	
13	Wave scattering by porous bottom undulation in a two layered channel. <i>Journal of Marine Science and Application</i> , 2014 , 13, 355-361	1.2	3
12	Use of Abel integral equations in water wave scattering by two surface-piercing barriers. <i>Wave Motion</i> , 2010 , 47, 279-288	1.8	18
11	Surface wave propagation over small undulations at the bottom of an ocean with surface discontinuity. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2009 , 103, 19-30	1.4	3
10	Water-wave scattering by two submerged plane vertical barriers-Abel integral-equation approach. <i>Journal of Engineering Mathematics</i> , 2009 , 65, 75-87	1.2	12
9	Water wave scattering by two submerged nearly vertical barriers. <i>ANZIAM Journal</i> , 2006 , 48, 107-117	0.5	0

8	Water wave scattering by two partially immersed nearly vertical barriers. <i>Wave Motion</i> , 2005 , 43, 167-175.8	1
7	Effects of bottom permeability on wave generation by a moving oscillatory disturbance in magneto-hydrodynamics. <i>Waves in Random and Complex Media</i> ,1-27	1.9
6	Water Wave Scattering	3
5	Mitigation of wave force and dissipation of energy by multiple arbitrary porous barriers. <i>Waves in Random and Complex Media</i> ,1-24	1.9 4
4	Combined impact of Brownian motion and thermophoresis on nanoparticle distribution in peristaltic nanofluid flow in an asymmetric channel. <i>International Journal of Ambient Energy</i> ,1-12	2 2
3	Analysis of oblique wave diffraction by rectangular thick barrier in the presence of surface tension. <i>Indian Journal of Physics</i> ,1	1.4 1
2	Wave interaction with a pair of thick barriers over a pair of trenches. <i>Ships and Offshore Structures</i> ,1-14	1.4 0
1	Radiation and scattering of flexural-gravity waves by a submerged porous disc. <i>Meccanica</i> ,1	2.1 0