

Santu Das

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1135267/publications.pdf>

Version: 2024-02-01

20
papers

768
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

698
citing authors

#	ARTICLE	IF	CITATIONS
1	Mangroves protected villages and reduced death toll during Indian super cyclone. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7357-7360.	7.1	454
2	Flexural-gravity wave dynamics in two-layer fluid: blocking and dead water analogue. Journal of Fluid Mechanics, 2018, 854, 121-145.	3.4	43
3	Dynamics of flexural gravity waves: from sea ice to Hawking radiation and analogue gravity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170223.	2.1	39
4	Flexural-gravity wave motion in the presence of shear current: Wave blocking and negative energy waves. Physics of Fluids, 2018, 30, .	4.0	39
5	Reflection of oblique ocean water waves by a vertical rectangular porous structure placed on an elevated horizontal bottom. Ocean Engineering, 2014, 82, 135-143.	4.3	32
6	Oblique water wave damping by two submerged thin vertical porous plates of different heights. Computational and Applied Mathematics, 2018, 37, 3759-3779.	1.3	27
7	Reflection of oblique ocean water waves by a vertical porous structure placed on a multi-step impermeable bottom. Applied Ocean Research, 2014, 47, 373-385.	4.1	24
8	Scattering of flexural-gravity waves by a crack in a floating ice sheet due to mode conversion during blocking. Journal of Fluid Mechanics, 2021, 916, .	3.4	22
9	Damping of oblique ocean waves by a vertical porous structure placed on a multi-step bottom. Journal of Marine Science and Application, 2014, 13, 362-376.	1.7	13
10	Wave damping by a vertical porous structure placed near and away from a rigid vertical wall. Geophysical and Astrophysical Fluid Dynamics, 2014, 108, 147-167.	1.2	12
11	Flexural gravity wave motion over poroelastic bed. Wave Motion, 2016, 63, 135-148.	2.0	12
12	Hydroelastic analysis of very large floating structure over viscoelastic bed. Meccanica, 2017, 52, 1871-1887.	2.0	11
13	Scattering of flexural-gravity waves due to a crack in a floating ice sheet in a two-layer fluid in the context of blocking dynamics. Physics of Fluids, 2022, 34, .	4.0	8
14	An investigation of the properties of flexural-gravity wave propagation in a coupled submerged and floating plate system. European Journal of Mechanics, B/Fluids, 2020, 82, 123-134.	2.5	7
15	Wave propagation through mangrove forests in the presence of a viscoelastic bed. Wave Motion, 2018, 78, 162-175.	2.0	6
16	Blocking dynamics of capillary-gravity waves in a two-layer fluid in the presence of surface and interfacial tensions. Meccanica, 2022, 57, 1307-1335.	2.0	6
17	A transit through the trapping and blocking of flexural-gravity wave: Impact of two-dimensional current and in-plane compression. Physics of Fluids, 2021, 33, .	4.0	5
18	Flexural-gravity wave dissipation under strong compression and ocean current near blocking point. Waves in Random and Complex Media, 0, , 1-25.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Reflection and damping of linear water waves by a multi-porosity vertical porous structure placed on a step-type raised seabed. <i>Marine Systems and Ocean Technology</i> , 2021, 16, 142-156.	1.0	2
20	The effect of compressed ice-shelf on acoustic-gravity wave propagation in a compressible ocean having elastic bottom. <i>Wave Motion</i> , 2022, 110, 102897.	2.0	1