Santu Das

List of Publications by Year
in descending order

20	768	840776	794594
papers	citations	11 h-index	19 g-index

23	23	23	698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of compressed ice-shelf on acoustic-gravity wave propagation in a compressible ocean having elastic bottom. Wave Motion, 2022, 110, 102897.	2.0	1
2	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
3	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
4	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
5	Reflection and damping of linear water waves by a multi-porosity vertical porous structure placed on a step-type raised seabed. Marine Systems and Ocean Technology, 2021, 16, 142-156.	1.0	2
6	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
7	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
8	Wave propagation through mangrove forests in the presence of a viscoelastic bed. Wave Motion, 2018, 78, 162-175.	2.0	6
9	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
10	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
11	Flexural-gravity wave motion in the presence of shear current: Wave blocking and negative energy waves. Physics of Fluids, 2018, 30, .	4.0	39
12	Flexural-gravity wave dynamics in two-layer fluid: blocking and dead water analogue. Journal of Fluid Mechanics, 2018, 854, 121-145.	3.4	43
13	Hydroelastic analysis of very large floating structure over viscoelastic bed. Meccanica, 2017, 52, 1871-1887.	2.0	11
14	Flexural gravity wave motion over poroelastic bed. Wave Motion, 2016, 63, 135-148.	2.0	12
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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