Santimoy Kundu

List of Publications by Year
in descending order

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66	514	840776 11	888059 17
papers	citations	h-index	g-index

67	67	67	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Love wave dispersion in pre-stressed homogeneous medium over a porous half-space with irregular boundary surfaces. International Journal of Solids and Structures, 2014, 51, 3689-3697.	2.7	36
2	SH-type waves dispersion in an isotropic medium sandwiched between an initially stressed orthotropic and heterogeneous semi-infinite media. Meccanica, 2014, 49, 749-758.	2.0	33
3	Love wave propagation in a piezoelectric layer overlying in an inhomogeneous elastic half-space. JVC/Journal of Vibration and Control, 2015, 21, 2553-2568.	2.6	28
4	Propagation of Love wave in fiberâ€reinforced medium lying over an initially stressed orthotropic halfâ€space. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 1172-1182.	3.3	26
5	Possibility of Love wave propagation in a porous layer under the effect of linearly varying directional rigidities. Applied Mathematical Modelling, 2013, 37, 6652-6660.	4.2	21
6	Propagation of Love waves in a prestressed Voigt-type viscoelastic orthotropic functionally graded layer over a porous half-space. Acta Mechanica, 2017, 228, 871-880.	2.1	21
7	Study of torsional wave in a poroelastic medium sandwiched between a layer and a half-space of heterogeneous dry sandy media. Waves in Random and Complex Media, 2018, 28, 182-201.	2.7	19
8	Propagation of Love waves in a heterogeneous medium over an inhomogeneous half-space under the effect of point source. JVC/Journal of Vibration and Control, 2016, 22, 1380-1391.	2.6	14
9	Propagation of Love-Type Wave in Porous Medium over an Orthotropic Semi-Infinite Medium with Rectangular Irregularity. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	13
10	Effect of Reinforcement and Inhomogeneity on the Propagation of Love Waves. International Journal of Geomechanics, 2016, 16, .	2.7	13
11	Love wave propagation in heterogeneous micropolar media. Mechanics Research Communications, 2017, 83, 6-11.	1.8	13
12	Love-type wave propagation in a hydrostatic stressed magneto-elastic transversely isotropic strip over an inhomogeneous substrate caused by a disturbance point source. Journal of Intelligent Material Systems and Structures, 2018, 29, 2508-2521.	2.5	13
13	Theoretical Analysis of Torsional Wave Propagation in a Heterogeneous Aeolotropic Stratum over a Voigt-Type Viscoelastic Half-Space. International Journal of Geomechanics, 2018, 18, .	2.7	13
14	PROPAGATION OF LOVE WAVE IN FIBER-REINFORCED MEDIUM OVER A NONHOMOGENEOUS HALF-SPACE. International Journal of Applied Mechanics, 2014, 06, 1450050.	2.2	12
15	Propagation of SHâ€wave in an initially stressed orthotropic medium sandwiched by a homogeneous and an inhomogeneous semiâ€infinite media. Mathematical Methods in the Applied Sciences, 2015, 38, 1926-1936.	2.3	12
16	Shear waves in magneto-elastic transversely isotropic (MTI) layer bonded between two heterogeneous elastic media. Mechanics of Advanced Materials and Structures, 2019, 26, 407-415.	2.6	12
17	Influence of Point Source on Love-Type Waves in Anisotropic Layer Overlying Viscoelastic FGM Half-Space: Greenâ€™s Function Approach. International Journal of Geomechanics, 2020, 20, 04019141.	2.7	12
18	Vibrational analysis of Love waves in a viscoelastic composite multilayered structure. Acta Mechanica, 2020, 231, 4199-4215.	2.1	11

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19	Effect of periodic corrugation, reinforcement, heterogeneity and initial stress on Love wave propagation. Waves in Random and Complex Media, 2016, 26, 485-515.	2.7	10
20	Propagation of Love Wave in Viscoelastic Sandy Medium Lying Over Pre-stressed Orthotropic Half-space. Procedia Engineering, 2017, 173, 996-1002.	1.2	10
21	Love wave propagation in a fiber-reinforced medium sandwiched between an isotropic layer and gravitating half-space. Journal of Engineering Mathematics, 2016, 100, 109-119.	1.2	9
22	Dispersion study of SH-wave propagation in an irregular magneto-elastic anisotropic crustal layer over an irregular heterogeneous half-space. Journal of King Saud University - Science, 2018, 30, 301-310.	3.5	9
23	Propagation of torsional wave in a non-homogeneous crustal layer over a dry sandy mantle. Meccanica, 2015, 50, 3029-3040.	2.0	8
24	Love Wave Behavior in Composite Fiber-Reinforced Structure. International Journal of Geomechanics, 2017, 17, .	2.7	8
25	Effect of magneto-elasticity, hydrostatic stress and gravity on Rayleigh waves in a hydrostatic stressed magneto-elastic crystalline medium over a gravitating half-space with sliding contact. Mechanics Research Communications, 2018, 89, 11-17.	1.8	8
26	Characteristics of Torsional Wave Profiles in a Viscous Fiber-Reinforced Layer Resting over a Sandy Half-Space under Gravity. International Journal of Geomechanics, 2018, 18, .	2.7	8
27	Effect of initial stress on the propagation and attenuation characteristics of Rayleigh waves. Acta Mechanica, 2019, 230, 67-85.	2.1	8
28	Analysis of interfacial imperfections and electro-mechanical properties on elastic waves in porous piezo-composite bars. International Journal of Mechanical Sciences, 2020, 187, 105926.	6.7	8
29	Propagation of a torsional surface wave in a non-homogeneous anisotropic layer over a heterogeneous half-space. JVC/Journal of Vibration and Control, 2016, 22, 3479-3490.	2.6	7
30	Analysis of dispersion and absorption characteristics of shear waves in sinusoidally corrugated elastic medium with void pores. Royal Society Open Science, 2017, 4, 160511.	2.4	7
31	SH Wave Propagation in a Finite Thicker Layer of the Void Pore Sandwiched by Heterogeneous Orthotropic Media. International Journal of Geomechanics, 2017, 17, .	2.7	7
32	Analysis of Dispersion and Damping Characteristics of Love Wave Propagation in Orthotropic Visco-Elastic FGM Layer with Corrugated Boundaries. International Journal of Geomechanics, 2020, 20, .	2.7	7
33	An electromechanical based model for Love-type waves in anisotropic-porous-piezoelectric composite structure with interfacial imperfections. Applied Mathematics and Computation, 2022, 418, 126783.	2.2	7
34	Greenâ€™s function and surface waves in a viscoelastic orthotropic FGM enforced by an impulsive point source. Applied Mathematics and Computation, 2020, 382, 125325.	2.2	6
35	Three-dimensional Greenâ€™s function approach for analysis of dispersion and attenuation curve in fibre-reinforced heterogeneous viscoelastic layer due to a point source. Applied Mathematics and Computation, 2018, 338, 387-399.	2.2	5
36	Love wave propagation in a sandy layer under initial stress lying over a pre-stressed heterogeneous orthotropic half-space. AIP Conference Proceedings, 2019, , .	0.4	5

#	Article	IF	Citations
37	Propagation of Torsional Surface Wave in an Anisotropic Porous Medium over a Dry Sandy Half-Space. International Journal of Geomechanics, 2016, 16, .	2.7	4
38	Effect of irregularity on torsional surface waves in an initially stressed anisotropic porous layer sandwiched between homogeneous and non-homogeneous half-space. Journal of Earth System Science, 2016, 125, 885-895.	1.3	4
39	Torsional Waves in a Fiber Composite Medium at a Loosely Bonded Interface Constrained Between Dry Sandy Layer and Gravitating Poroelastic Substrate. International Journal of Computational Methods, 2019, 16, 1840030.	1.3	4
40	Study of Love-type wave vibrations in double sandy layers on half-space of viscoelastic. Multidiscipline Modeling in Materials and Structures, 2019, 16, 731-748.	1.3	4
41	Mechanical waves study in tri-materials bars having sinusoidally interfaces (i.e. Fiber-reinforced,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	4
42	Analysis of SH-Wave Propagation in Magnetoelastic Fiber-Reinforced Layer Resting over Inhomogeneous Viscoelastic Half-Space with Corrugation. International Journal of Geomechanics, 2021, 21, .	2.7	4
43	Effect of Irregularity on Torsional Surface Waves in an Initially Stressed Porous Layer Sandwiched Between Two Non-homogeneous Half-Spaces. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 171-183.	1.2	3
44	Dispersion of Love waves in prestressed double-layered medium over a gravitating half-space. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	3
45	Study of the SH-wave propagation in an FGPM layer imperfectly bonded over a microstructural coupled stress half-space. Acta Mechanica, 2022, 233, 597-616.	2.1	3
46	Propagation of torsional surface wave in sandy layer sandwiched between a non-homogeneous and a gravitating anisotropic porous semi-infinite media. JVC/Journal of Vibration and Control, 2017, 23, 1768-1781.	2.6	2
47	Effect of Gravity and Initial Stresses on Torsional Surface Waves in Dry Sandy Medium Under Rigid Layer. Procedia Engineering, 2017, 173, 1042-1047.	1.2	2
48	Love wave propagation in a heterogeneous orthotropic layer under initial stress lying over an inhomogeneous half-space. AIP Conference Proceedings, 2017, , .	0.4	2
49	Impact of Torsional Waves in Dry Sandy Desert with Sand Dunes. Journal of Vibration Engineering and Technologies, 2021, 9, 1211-1222.	2.2	2
50	Comparative study of the piezo-viscous effect of SH wave propagation with irregular and irregular free interfaces in different piezo-electric stratified media. Waves in Random and Complex Media, 0, , 1-18.	2.7	2
51	Parametric influence of magneto elasticity, initial stresses, porosity and thickness ratio on the phase and attenuation traits of SH-waves. Journal of Intelligent Material Systems and Structures, 2022, 33, 1364-1373.	2.5	2
52	Propagation of torsional surface wave in an irregular gravitating medium. , 2016, , .		1
53	Influence of initial stress and gravity on torsional surface wave in heterogeneous medium. JVC/Journal of Vibration and Control, 2017, 23, 970-979.	2.6	1
54	Propagation of Love waves in a void medium over a sandy half space under gravity. Acta Geophysica, 2017, 65, 269-274.	2.0	1

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55	Torsional surface wave dispersion in pre-stressed dry sandy layer over a gravitating anisotropic porous half-space. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 550-560.	1.6	1
56	Effect of surface wave propagation in a four-layered oceanic crust model. Acta Geophysica, 2017, 65, 1119-1131.	2.0	1
57	Dispersion characteristics of SH wave propagation in a viscous fiber-reinforced stratified media. AIP Conference Proceedings, 2019, , .	0.4	1
58	Propagation of torsional wave at a corrugated interface between viscoelastic sandy medium and inhomogeneous half-space. AIP Conference Proceedings, 2019, , .	0.4	1
59	Analytical study of electro-mechanical parameters on Love wave in an imperfectly bonded VPCM layered structure. Mechanics Based Design of Structures and Machines, 0, , 1-21.	4.7	1
60	Analysis of shear wave in a FGPE/FGPM structure with imperfect magneto-electro elastic bounding interface. Waves in Random and Complex Media, 0, , 1-23.	2.7	1
61	Study of the SH-wave propagation in an MEFR layer bounded by heterogeneous viscoelastic layer and elastic half-space. Engineering Computations, 2022, 39, 2820.	1.4	1
62	Influence of rigid boundary on the propagation of torsional surface wave in an inhomogeneous layer. Journal of Earth System Science, 2015, 124, 161-170.	1.3	0
63	Torsional surface waves in void medium under gravitating dry sandy half space. , 2016, , .		0
64	Effect of inhomogeneity due to temperature on the propagation of shear waves in an anisotropic layer. AIP Conference Proceedings, 2017, , .	0.4	0
65	Dispersion of Love Wave in a Heterogeneous Orthotropic Layer Under Compressive Pre-Stress Lying Over an Isotropic Elastic Half-space With Rectangular Irregularity. Procedia Computer Science, 2017, 115, 22-29.	2.0	0
66	Love Wave Propagation in an Anisotropic Viscoelastic Layer Over an Initially Stressed Inhomogeneous Half-Space. Lecture Notes in Mechanical Engineering, 2021, , 469-479.	0.4	0