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List of Publications by Year
in descending order

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55	738	623574	610775
papers	citations	14	24
		h-index	g-index

55	55	55	189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion Risk Assessment Model of Gas Pipeline Based on Improved AHP and Its Engineering Application. Arabian Journal for Science and Engineering, 2022, 47, 10961-10979.	1.7	5
2	Three-Dimensional Dynamic Response Analysis of Rigid Foundation Embedded in Layered Transversely Isotropic Half-Space. Journal of Earthquake Engineering, 2022, 26, 8611-8628.	1.4	3
3	Seismic analysis of a lined tunnel in a multi-layered TI saturated half-space due to qP1-and qSV-waves. Tunnelling and Underground Space Technology, 2022, 119, 104248.	3.0	21
4	Seismic analysis of high-speed railway irregular bridgeâ€“track system considering V-shaped canyon effect. Railway Engineering Science, 2022, 30, 57-70.	2.7	11
5	Seismic Response of 2D Topographic Profiles for Incident SH Waves: Iterative Solution and Comparison of Direct and Indirect BEM. Bulletin of the Seismological Society of America, 2022, 112, 1031-1040.	1.1	0
6	The dynamic stiffness matrix method for seismograms synthesis for layered transversely isotropic half-space. Applied Mathematical Modelling, 2022, 104, 205-227.	2.2	8
7	A two-step approach combining FK with SE for simulating ground motion due to point dislocation sources. Soil Dynamics and Earthquake Engineering, 2022, 157, 107224.	1.9	5
8	A procedure for 3D simulation of seismic wave propagation considering sourceâ€pathâ€site effects: Theory, verification and application. Earthquake Engineering and Structural Dynamics, 2022, 51, 2925-2955.	2.5	48
9	A multi-domain IBEM for the wave scattering and diffraction of P- and SV-waves by complex local sites. Waves in Random and Complex Media, 2021, 31, 769-793.	1.6	3
10	Surface motion of a layered transversely isotropic half-space with a 3D arbitrary-shaped alluvial valley under qP-, qSV- and SH-waves. Soil Dynamics and Earthquake Engineering, 2021, 140, 106388.	1.9	9
11	Simulating elastic wave propagation in 3-D layered transversely isotropic half-space using a special IBEM: Hill topography as an example. Engineering Analysis With Boundary Elements, 2021, 124, 64-81.	2.0	9
12	HVSR analysis of a layered saturated half-space using diffuse-field theory. Geophysical Journal International, 2021, 226, 270-286.	1.0	3
13	The revised direct stiffness matrix method for seismogram synthesis due to dislocations: from crustal to geotechnical scale. Geophysical Journal International, 2021, 227, 717-734.	1.0	6
14	Elastic wave field simulation of a three-dimensional sedimentary basin for incident spherical P, SV, and SH waves. Engineering Analysis With Boundary Elements, 2021, 128, 203-215.	2.0	4
15	Scattering of elastic spherical P, SV, and SH waves by three-dimensional hill in a layered half-space. Soil Dynamics and Earthquake Engineering, 2021, 147, 106545.	1.9	12
16	A reflection-transmission matrix method for time-history response analysis of a layered TI saturated site under obliquely incident seismic waves. Applied Mathematical Modelling, 2021, 97, 206-225.	2.2	4
17	A special indirect boundary element method for seismic response of a 3D canyon in a saturated layered half-space subjected to obliquely incident plane waves. Engineering Analysis With Boundary Elements, 2021, 132, 182-201.	2.0	5
18	Scattering of plane waves by a 3D canyon in a transversely isotropic fluid-saturated layered half-space. Soil Dynamics and Earthquake Engineering, 2021, 151, 106997.	1.9	0

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19	A Hybrid Method for Modeling Broadband Seismic Wave Propagation in 3D Localized Regions to Incident P, SV, and SH Waves. International Journal of Applied Mechanics, 2021, 13, .	1.3	4
20	3D dynamic responses of a multi-layered transversely isotropic saturated half-space under concentrated forces and pore pressure. Applied Mathematical Modelling, 2020, 80, 859-878.	2.2	38
21	2.5D scattering of obliquely incident seismic waves due to a canyon cut in a multi-layered TI saturated half-space. Soil Dynamics and Earthquake Engineering, 2020, 129, 105957.	1.9	7
22	Application of Biotâ€™s Poroelasticity to Seismic Analysis of Subway Stations in a Saturated Poroelastic Half-space: Effects of Viscous Coupling. Journal of Earthquake Engineering, 2020, , 1-22.	1.4	0
23	Preconditioned Splitting Series Approximation for 2D Rough Surface Scattering. Bulletin of the Seismological Society of America, 2020, 110, 1149-1161.	1.1	2
24	Transfer matrix solution to free-field response of a multi-layered transversely isotropic poroelastic half-plane. Soil Dynamics and Earthquake Engineering, 2020, 134, 106168.	1.9	6
25	Two-dimensional scattering of plane waves by irregularities in a multi-layered transversely isotropic saturated half-space. Engineering Analysis With Boundary Elements, 2020, 118, 169-187.	2.0	8
26	Wave Scattering of Plane P, SV, and SH Waves by a 3D Alluvial Basin in a Multilayered Half-Space. Bulletin of the Seismological Society of America, 2020, 110, 576-595.	1.1	25
27	A 2.5D IBEM to investigate the 3D seismic response of 2D topographies in a multi-layered transversely isotropic half-space. Engineering Analysis With Boundary Elements, 2020, 113, 382-401.	2.0	9
28	Three-dimensional dynamic Green's functions for transversely isotropic saturated half-space subjected to buried loads. Engineering Analysis With Boundary Elements, 2019, 108, 301-320.	2.0	19
29	Free-field response of a transversely isotropic saturated half-space subjected to incident plane qP1- and qSV-waves. Soil Dynamics and Earthquake Engineering, 2019, 125, 105702.	1.9	3
30	A study on a coupled model of a SDOF oscillator moving along an Euler beam on a viscoelastic half-space with variable speed. Engineering Analysis With Boundary Elements, 2019, 105, 221-230.	2.0	2
31	3D dynamic responses of a 2D hill in a layered half-space subjected to obliquely incident plane P-, SV- and SH-waves. Engineering Analysis With Boundary Elements, 2019, 105, 129-145.	2.0	15
32	A semi-analytical method for vibrations of a layered transversely isotropic ground-track system due to moving train loads. Soil Dynamics and Earthquake Engineering, 2019, 121, 25-39.	1.9	13
33	Seismic response of a 3-D canyon in a multilayered TI half-space modelled by an indirect boundary integral equation method. Geophysical Journal International, 2019, 217, 1949-1973.	1.0	13
34	IBEM for Impedance Functions of an Embedded Strip Foundation in a Multi-Layered Transversely Isotropic Half-Space. Journal of Earthquake Engineering, 2018, 22, 1415-1446.	1.4	12
35	Dynamic impedance functions for a rigid strip footing resting on a multi-layered transversely isotropic saturated half-space. Engineering Analysis With Boundary Elements, 2018, 86, 31-44.	2.0	25
36	In-plane dynamic Greenâ€™s functions for inclined and uniformly distributed loads in a multi-layered transversely isotropic half-space. Earthquake Engineering and Engineering Vibration, 2018, 17, 293-309.	1.1	6

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37	Dynamic Response Analysis of Periodic Alluvial Valleys under Incident Plane SH-Waves. Journal of Earthquake Engineering, 2017, 21, 531-550.	1.4	12
38	Fundamental solutions of a multi-layered transversely isotropic saturated half-space subjected to moving point forces and pore pressure. Engineering Analysis With Boundary Elements, 2017, 76, 40-58.	2.0	63
39	Diffraction of SH-waves by topographic features in a layered transversely isotropic half-space. Earthquake Engineering and Engineering Vibration, 2017, 16, 11-22.	1.1	21
40	Scattering of plane qP- and qSV-waves by a canyon in a multi-layered transversely isotropic half-space. Soil Dynamics and Earthquake Engineering, 2017, 98, 120-140.	1.9	26
41	Plane strain dynamic responses of a multi-layered transversely isotropic saturated half-space. International Journal of Engineering Science, 2017, 119, 55-77.	2.7	38
42	Soil-Structure Interaction in Transversely Isotropic Layered Media Subjected to Incident Plane SH Waves. Shock and Vibration, 2017, 2017, 1-13.	0.3	9
43	Wave scattering of complex local site in a layered half-space by using a multidomain IBEM: incident plane SH waves. Geophysical Journal International, 2016, 205, 1382-1405.	1.0	44
44	3D dynamic response of a multi-layered transversely isotropic half-space subjected to a moving point load along a horizontal straight line with constant speed. International Journal of Solids and Structures, 2016, 100-101, 427-445.	1.3	56
45	Wave propagation of buried spherical SH-, P1-, P2- and SV-waves in a layered poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2016, 88, 237-255.	1.9	14
46	Scattering and diffraction of plane SH-waves by periodically distributed canyons. Earthquake Engineering and Engineering Vibration, 2016, 15, 325-339.	1.1	11
47	3D Diffraction of obliquely incident SH waves by twin infinitely long cylindrical cavities in layered poroelastic half-space. Earthquake Science, 2013, 26, 395-406.	0.4	9
48	3D scattering of obliquely incident plane SV waves by an alluvial valley embedded in a fluid-saturated, poroelastic layered half-space. Earthquake Science, 2013, 26, 107-116.	0.4	14
49	The method of fundamental solutions for three-dimensional scattering of elastic waves in layered half space. WIT Transactions on Modelling and Simulation, 2013, , .	0.0	1
50	Amplification of in-plane seismic ground motion by group cavities in layered half-space (I). Earthquake Science, 2012, 25, 275-285.	0.4	4
51	Amplification of in-plane seismic ground motion by group cavities in layered half-space (II): with saturated poroelastic soil layers. Earthquake Science, 2012, 25, 287-298.	0.4	6
52	3-D scattering of obliquely incident plane p waves by alluvial valley embedded in layered half-space. Transactions of Tianjin University, 2012, 18, 357-365.	3.3	0
53	Surface motion of alluvial valley in layered half-space for incident plane P-waves. Transactions of Tianjin University, 2011, 17, 157-165.	3.3	0
54	2.5D scattering of incident plane SH waves by a canyon in layered half-space. Earthquake Science, 2010, 23, 25-33.	0.4	3

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55	Diffraction of plane SV waves by a shallow circular-arc canyon in a saturated poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2006, 26, 582-610.	1.9	44