

# Choon B Park

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

5,991  
citations

516215

16  
h-index

794141

19  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multichannel analysis of surface waves. <i>Geophysics</i> , 1999, 64, 800-808.	1.4	2,073
2	Estimation of near-surface shear-wave velocity by inversion of Rayleigh waves. <i>Geophysics</i> , 1999, 64, 691-700.	1.4	1,331
3	Inversion of high frequency surface waves with fundamental and higher modes. <i>Journal of Applied Geophysics</i> , 2003, 52, 45-57.	0.9	384
4	Multichannel analysis of surface waves to map bedrock. <i>The Leading Edge</i> , 1999, 18, 1392-1396.	0.4	375
5	Multichannel analysis of surface waves (MASW) – active and passive methods. <i>The Leading Edge</i> , 2007, 26, 60-64.	0.4	233
6	Comparing shear-wave velocity profiles inverted from multichannel surface wave with borehole measurements. <i>Soil Dynamics and Earthquake Engineering</i> , 2002, 22, 181-190.	1.9	217
7	Determining Q of near-surface materials from Rayleigh waves. <i>Journal of Applied Geophysics</i> , 2002, 51, 121-129.	0.9	168
8	Multimodal Approach to Seismic Pavement Testing. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004, 130, 636-645.	1.5	156
9	Comparing Shear-Wave Velocity Profiles from MASW with Borehole Measurements in Unconsolidated Sediments, Fraser River Delta, B.C., Canada. <i>Journal of Environmental and Engineering Geophysics</i> , 2000, 5, 1-13.	1.0	123
10	Roadside Passive Multichannel Analysis of Surface Waves (MASW). <i>Journal of Environmental and Engineering Geophysics</i> , 2008, 13, 1-11.	1.0	121
11	A pitfall in shallow shear-wave refraction surveying. <i>Journal of Applied Geophysics</i> , 2002, 51, 1-9.	0.9	84
12	Joint analysis of refractions with surface waves: An inverse solution to the refraction-traveltime problem. <i>Geophysics</i> , 2006, 71, R131-R138.	1.4	75
13	Analyzing and Filtering Surface-Wave Energy By Muting Shot Gathers. <i>Journal of Environmental and Engineering Geophysics</i> , 2005, 10, 307-322.	1.0	52
14	Imaging Dispersion of MASW Data – Full vs. Selective Offset Scheme. <i>Journal of Environmental and Engineering Geophysics</i> , 2011, 16, 13-23.	1.0	45
15	Evaluation of MASW Data Acquired with a Hydrophone Streamer in a Shallow Marine Environment. <i>Journal of Environmental and Engineering Geophysics</i> , 2005, 10, 87-98.	1.0	44
16	Advantages of calculating shear-wave velocity from surface waves with higher modes. , 2000, , .		42
17	Optimum MASW Survey – Revisit after a Decade of Use. , 2010, , .		38
18	The Inverse Problem of Refraction Travel Times, Part I: Types of Geophysical Nonuniqueness Through Minimization. <i>Pure and Applied Geophysics</i> , 2005, 162, 447-459.	0.8	37

#	ARTICLE	IF	CITATIONS
19	Mapping Poisson's Ratio of Unconsolidated Materials from a Joint Analysis of Surface-Wave and Refraction Events. , 2000, , .		28
20	High Frequency MASW for Non-Destructive Testing of Pavements" Accelerometer Approach. , 2001, , .		24
21	Multichannel Analysis of Surface Wave (MASW) Method for Geotechnical Site Characterization. , 2005, , 1.		24
22	Higher mode observation by the MASW method. , 1999, , .		23
23	Joint analysis of surface-wave and refraction events from river-bottom sediments. , 2000, , .		23
24	Evaluation of the MASW technique in unconsolidated sediments. , 1999, , .		22
25	Seismic techniques to delineate dissolution features in the upper 1000 ft at a power plant site. , 1999, , .		22
26	Configuration of Near-Surface Shear-Wave Velocity by Inverting Surface Wave. , 1999, , .		21
27	Seismic Investigation of Pavements by MASW Method " Geophone Approach. , 2001, , .		19
28	Seismic search for underground anomalies. , 2003, , .		18
29	Multichannel analysis of underwater surface waves near Vancouver, B.C., Canada. , 2000, , .		15
30	Multichannel Analysis of Passive Surface Waves " Modeling and Processing Schemes. , 2005, , 1.		15
31	A geophysical strategy for measuring the thickness of the critical zone developed over basalt lavas. , 2015, 11, 514-532.		15
32	Mapping Poisson's Ratio Of Unconsolidated Materials From A Joint Analysis Of Surface-Wave And Refraction Events. , 2000, , .		13
33	Estimation of shear wave velocity in a compressible Gibson half-space by inverting Rayleigh wave phase velocity. , 1997, , .		11
34	Offset Selective Dispersion Imaging. , 2007, , .		11
35	High Frequency Masw For Non-Destructive Testing Of Pavements" Accelerometer Approach. , 2001, , .		9
36	Non-Contact Surface Wave Measurements Using a Microphone. , 2006, , .		8

#	ARTICLE	IF	CITATIONS
37	MASW Survey Using Multiple Source Offsets. , 2009, , .		8
38	Historical Overview of the Surface Wave Method. , 2007, , .		7
39	Love waves: A menace to shallow shear wave reflection surveying. , 2001, , .		7
40	Imaging Dispersion of Passive Surface Waves with Active Scheme. , 2008, , .		7
41	Phase-scanning approach to correct time-shift inaccuracies in the surface-wave walk-away method. Soil Dynamics and Earthquake Engineering, 2010, 30, 1528-1539.	1.9	6
42	Modal Separation Before Dispersion Curve Extraction by MASW Method. , 2001, , .		5
43	28. Seismic Techniques to Detect Dissolution Features (Karst) at a Proposed Power-Plant Site. , 2005, , 663-680.		5
44	Evaluation of Multilayered Pavement Structures from Measurements of Surface Waves. AIP Conference Proceedings, 2006, , .	0.3	5
45	3D MASW Characterization of Sinkhole: A Pilot Study at USF Geology Park, Tampa, Fl. , 2010, , .		5
46	A pitfall in shallow shear-wave refraction surveying. , 1999, , .		3
47	3D MASW. , 2009, , .		3
48	Ocean waves as a passive MASW source. Journal of Applied Geophysics, 2019, 171, 103860.	0.9	3
49	Roadside MASW Surveys Using a Portable Road Bump: A Case Study in Managua, Nicaragua. , 2009, , .		2
50	Roadside Passive MASW Survey " Dynamic Detection of Source Location. , 2010, , .		2
51	Feasibility of determining Q of near-surface materials from Rayleigh waves. , 2001, , .		1
52	Wave Energy Source for MASW?. , 2010, , .		1
53	Non-Contact Surface Wave Testing While Moving. , 2007, , .		1
54	Exploring MASW Surveys with Random Receiver Arrays for Future Lunar Exploration. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
55	Phase-Scanning Approach to Correct Static Error in the Surface Wave Walk-Away Method. , 2010, , .		0
56	Multi Geometry Approach for MASW Survey. , 2010, , .		0
57	Investigating Velocity Structure in the Weathering Zone of Hawaiian Basalts. , 2015, , .		0