

# Choon B Park

## List of Publications by Year in descending order

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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	Ocean waves as a passive MASW source. Journal of Applied Geophysics, 2019, 171, 103860.	0.9	3
2	Investigating Velocity Structure in the Weathering Zone of Hawaiian Basalts. , 2015, , .		0
3	A geophysical strategy for measuring the thickness of the critical zone developed over basalt lavas. , 2015, 11, 514-532.		15
4	Imaging Dispersion of MASW Dataâ€”Full vs. Selective Offset Scheme. Journal of Environmental and Engineering Geophysics, 2011, 16, 13-23.	1.0	45
5	Phaseâ€”scanning Approach to Correct Static Error in the Surface Wave Walkâ€”Away Method. , 2010, , .		0
6	Roadside Passive MASW Survey â€” Dynamic Detection of Source Location. , 2010, , .		2
7	Multi Geometry Approach for MASW Survey. , 2010, , .		0
8	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
9	Waveâ€”Energy Source for MASW?. , 2010, , .		1
10	3D MASW Characterization of Sinkhole: A Pilot Study at USF Geology Park, Tampa, Fl. , 2010, , .		5
11	Optimum MASW Surveyâ€”Revisit after a Decade of Use. , 2010, , .		38
12	MASW Survey Using Multiple Source Offsets. , 2009, , .		8
13	3â€”D MASW. , 2009, , .		3
14	Roadside MASW Surveys Using a Portable Road Bump: A Caseâ€”Study in Managua, Nicaragua. , 2009, , .		2
15	Roadside Passive Multichannel Analysis of Surface Waves (MASW). Journal of Environmental and Engineering Geophysics, 2008, 13, 1-11.	1.0	121
16	Imaging Dispersion of Passive Surface Waves with Active Scheme. , 2008, , .		7
17	Exploring MASW Surveys with Random Receiver Arrays for Future Lunar Exploration. , 2008, , .		1
18	Multichannel analysis of surface waves (MASW)â€”active and passive methods. The Leading Edge, 2007, 26, 60-64.	0.4	233

#	ARTICLE	IF	CITATIONS
19	Historical Overview of the Surface Wave Method. , 2007, , .		7
20	Offset Selective Dispersion Imaging. , 2007, , .		11
21	Non-Contact Surface Wave Testing While Moving. , 2007, , .		1
22	Joint analysis of refractions with surface waves: An inverse solution to the refraction-traveltime problem. Geophysics, 2006, 71, R131-R138.	1.4	75
23	Evaluation of Multilayered Pavement Structures from Measurements of Surface Waves. AIP Conference Proceedings, 2006, , .	0.3	5
24	Non-Contact Surface Wave Measurements Using a Microphone. , 2006, , .		8
25	Analyzing and Filtering Surface-Wave Energy By Muting Shot Gathers. Journal of Environmental and Engineering Geophysics, 2005, 10, 307-322.	1.0	52
26	Multichannel Analysis of Passive Surface Waves – Modeling and Processing Schemes. , 2005, , 1.		15
27	The Inverse Problem of Refraction Travel Times, Part I: Types of Geophysical Nonuniqueness Through Minimization. Pure and Applied Geophysics, 2005, 162, 447-459.	0.8	37
28	Multichannel Analysis of Surface Wave (MASW) Method for Geotechnical Site Characterization. , 2005, , 1.		24
29	Evaluation of MASW Data Acquired with a Hydrophone Streamer in a Shallow Marine Environment. Journal of Environmental and Engineering Geophysics, 2005, 10, 87-98.	1.0	44
30	28. Seismic Techniques to Detect Dissolution Features (Karst) at a Proposed Power-Plant Site. , 2005, , 663-680.		5
31	Multimodal Approach to Seismic Pavement Testing. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 636-645.	1.5	156
32	Inversion of high frequency surface waves with fundamental and higher modes. Journal of Applied Geophysics, 2003, 52, 45-57.	0.9	384
33	Seismic search for underground anomalies. , 2003, , .		18
34	Determining Q of near-surface materials from Rayleigh waves. Journal of Applied Geophysics, 2002, 51, 121-129.	0.9	168
35	Comparing shear-wave velocity profiles inverted from multichannel surface wave with borehole measurements. Soil Dynamics and Earthquake Engineering, 2002, 22, 181-190.	1.9	217
36	A pitfall in shallow shear-wave refraction surveying. Journal of Applied Geophysics, 2002, 51, 1-9.	0.9	84

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37	Feasibility of determining Q of near-surface materials from Rayleigh waves. , 2001, , .		1
38	Seismic Investigation of Pavements by MASW Method – Geophone Approach. , 2001, , .		19
39	Modal Separation Before Dispersion Curve Extraction by MASW Method. , 2001, , .		5
40	High Frequency MASW for Non-Destructive Testing of Pavements – Accelerometer Approach. , 2001, , .		24
41	Love waves: A menace to shallow shear wave reflection surveying. , 2001, , .		7
42	High Frequency Masw For Non-Destructive Testing Of Pavements – Accelerometer Approach. , 2001, , .		9
43	Multichannel analysis of underwater surface waves near Vancouver, B.C., Canada. , 2000, , .		15
44	Mapping Poisson's Ratio of Unconsolidated Materials from a Joint Analysis of Surface-Wave and Refraction Events. , 2000, , .		28
45	Advantages of calculating shear-wave velocity from surface waves with higher modes. , 2000, , .		42
46	Joint analysis of surface-wave and refraction events from river-bottom sediments. , 2000, , .		23
47	Comparing Shear-Wave Velocity Profiles from MASW with Borehole Measurements in Unconsolidated Sediments, Fraser River Delta, B.C., Canada. Journal of Environmental and Engineering Geophysics, 2000, 5, 1-13.	1.0	123
48	Mapping Poisson's Ratio Of Unconsolidated Materials From A Joint Analysis Of Surface-Wave And Refraction Events. , 2000, , .		13
49	A pitfall in shallow shear-wave refraction surveying. , 1999, , .		3
50	Configuration of Near-Surface Shear-Wave Velocity by Inverting Surface Wave. , 1999, , .		21
51	Multichannel analysis of surface waves to map bedrock. The Leading Edge, 1999, 18, 1392-1396.	0.4	375
52	Multichannel analysis of surface waves. Geophysics, 1999, 64, 800-808.	1.4	2,073
53	Estimation of near-surface shear-wave velocity by inversion of Rayleigh waves. Geophysics, 1999, 64, 691-700.	1.4	1,331
54	Evaluation of the MASW technique in unconsolidated sediments. , 1999, , .		22

#	ARTICLE	IF	CITATIONS
55	Higher mode observation by the MASW method. , 1999, , .		23
56	Seismic techniques to delineate dissolution features in the upper 1000 ft at a power plant site. , 1999, , .		22
57	Estimation of shear wave velocity in a compressible Gibson half-space by inverting Rayleigh wave phase velocity. , 1997, , .		11