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Google Scholar

Citation indices	All	Since 2011
Citations	286	130
h-index	7	6
i10-index	6	5

Title	1–66	Cited by	Year
<a href="#">Prediction of the thermal coefficient of expansion of concrete</a>	JH Emanuel, JL Hulsey Journal Proceedings 74 (4), 149-155	87	1977
<a href="#">Temperature distributions in composite bridges</a>	JH Emanuel, JL Hulsey Journal of the Structural Division 104 (ASCE 13474 Proceeding)	39	1978
<a href="#">Field test and 3D FE modeling of decked bulb-tee bridges</a>	Z Ma, S Chaudhury, JL Millam, JL Hulsey Journal of bridge engineering 12 (3), 306-314	32	2007
<a href="#">Wearing surfaces for orthotropic steel bridge decks</a>	J Hulsey, L Yang, L Raad Transportation Research Record: Journal of the Transportation Research Board ...	23	1999
<a href="#">Evaluation of temperature and freeze–thaw effects on excess pore pressure generation of fine-grained soils</a>	K Hazirbaba, Y Zhang, JL Hulsey Soil dynamics and earthquake engineering 31 (3), 372-384	17	2011
<a href="#">Rational weather model for highway structures</a>	JL Hulsey, DT Powell Transportation research record	11	1993
<a href="#">Static live load tests on a cable-stayed bridge</a>	JL Hulsey, DK Delaney Transportation Research Record	9	1993
<a href="#">Household solid waste: traits and disposal site selection</a>	PA Koushki, JL Hulsey, EK Bashaw Journal of urban planning and development 123 (1), 1-9	7	1997
<a href="#">Environmental stresses in flexibly supported bridges</a>	JL Hulsey, JH Emanuel Transportation Research Record	7	1978
<a href="#">Analysis of laterally loaded piles in frozen soils</a>	Z Yang, Q Li, J Horazdovsky, JL Hulsey, E Marx State of the Art and Practice in Geotechnical Engineering (GeoCongress2012 ...	6	2012
<a href="#">Environmental effects on composite-girder bridge structures</a>			

JL Hulsey University of Missouri--Rolla	6	1976
<a href="#">Current design practice for bridge superstructures connected to flexible substructures</a>	5	1973
JH Emanuel, JL Hulsey, JL Best, JH Senne, LE Thompson Civil Engineering Study, 73-3		
<a href="#">Seasonal freezing effects on the dynamic behavior of highway bridges</a>	3	2010
ZJ Yang, Q Li, JL Hulsey GeoShanghai 2010 International Conference		
<a href="#">Single lane live load distribution factor for decked precast/prestressed concrete girder bridges</a>	3	2004
Z Ma, JL Hulsey		
<a href="#">The no expansion joint bridge for northern regions</a>	3	1990
JL Hulsey, DT Powell		
<a href="#">THERMAL STRESSES AND DEFORMATIONS IN NONPRISMATIC INDETERMINATE COMPOSITE BRIDGES (ABRIDGEMENT)</a>	3	1976
JH Emanuel, JL Hulsey Transportation Research Record		
<a href="#">AN INVESTIGATION OF DESIGN CRITERIA FOR STRESSES INDUCED BY SEMI-INTEGRAL END BENTS: PHASE 1 FEASIBILITY STUDY</a>	3	1900
JH Emanuel, JL Best, JL Hulsey, JH Senne, LE Thompson		
<a href="#">Experimental Investigation of a Bridge under Traffic Loadings</a>	2	2014
F Xiao, GS Chen, JL Hulsey Advanced Materials Research 875, 1989-1993		
<a href="#">Structural Health Monitoring System Optimization for A Bridge</a>	2	2013
JL Hulsey, F Xiao, GS Chen 6TH International Conference on Structural Health Monitoring of Intelligent ...		
<a href="#">Measurement of frozen soil-pile dynamic properties: A system identification approach</a>	2	2012
GS Chen, D Davis, JL Hulsey Cold Regions Science and Technology 70, 98-106		
<a href="#">Deck Wearing Surfaces for the Yukon River Bridge</a>	2	2002
JL Hulsey, L Raad, B Connor Cold Regions Engineering: Cold Regions Impacts on Transportation and ...		
<a href="#">YUKON RIVER BRIDGE, DECK STRAINS AND SURFACING ALTERNATIVES.</a>	2	1995
JL Hulsey		
<a href="#">Seasonally Frozen Soil Effects on the Seismic Performance of Highway Bridges</a>	1	2011
JL Hulsey, JE Horzdovsky, D Davis, ZJ Yang, Q Li Alaska University Transportation Center. Final Report, Report No.: FHWA-AK ...		

<a href="#">Strength ratios of knots in bending for two Alaskan softwood species</a>	1	2009
J Bannister, JL Hulsey, K Curtis, V Barber Forest Products Journal 59 (11/12), 27		
<a href="#">Tire Chain Damage on Bridge Deck Wearing Surfaces</a>	1	2007
JL Hulsey, M Muench Region Development ISCORD, 25-27		
<a href="#">Mechanistic evaluation of saturated bases under concrete pavements</a>	1	1995
L Raad, GH Miniassian, JL Hulsey Journal of transportation engineering 121 (6), 495-501		
<a href="#">Analysis of state department of transportation safety expenditures and highway safety</a>	1	1995
PA Koushki, S Yaseen, JL Hulsey Transportation research record, 148-154		
<a href="#">Cold region logistics planning and management</a>	1	1993
JL Hulsey, PA Koushki, FL Bennett, J Kelley Journal of cold regions engineering 7 (1), 1-11		
<a href="#">On the Response Consistency of Questionnaire Surveys of State Department of Transportation Management</a>	1	1993
JL Hulsey, PA Koushki, CD Vaughan Transportation Research Record		
<a href="#">Bridge Lengths: Jointless Prestressed Girder Bridges</a>	1	1992
JL Hulsey Transprotation Research Center, Institute of Northern Engineering ...		
<a href="#">Meridional rib-stiffened shells</a>	1	1981
DK Roy, P Zia, JL Hulsey Journal of the Engineering Mechanics Division 107 (1), 77-95		
<a href="#">Temperature Distributions in Composite Bridges</a>	1	1980
JH Emanuel, JL Hulsey JOURNAL OF THE STRUCTURAL DIVISION-ASCE 106 (5), 1219-1220		
<a href="#">Finite Element Modeling of Climatically Induced Heat Flow</a>	1	1978
JL Hulsey, JH Emanuel Numerical Methods for Differential Equations and Simulation, 111-114		
<a href="#">Environmentally Induced Bridge Stresses</a>	1	1977
JL Hulsey, JH Emanuel Second Annual ASCE Engineering Mechanics Division Special Conference ...		
<a href="#">Ambient loading and modal parameters for the Chulitna River Bridge</a>		2016
F Xiao, GS Chen, JL Hulsey, JD Dolan, Y Dong Advances in Structural Engineering 19 (4), 660-670		
<a href="#">Detection of soil-abutment interaction by monitoring bridge response using vehicle excitation</a>		2015
JT Huffman, F Xiao, G Chen, JL Hulsey		

- [Multi-Direction Bridge Model Updating Using Static and Dynamic Measurement](#) 2015  
F Xiao, JL Hulsey, GS Chen  
Applied Physics Research 7 (1), 47
- [Phase II: Chulitna River Bridge Structurally Health Monitoring Alaska Bridge 255–Chulitna River Bridge](#) 2015  
JL Hulsey, F Xiao, JD Dolan
- [Phase II: Correlation Between Experimental and Finite Element Analysis Alaska Bridge 255-Chulitna River Bridge](#) 2014  
JL Hulsey, F Xioa, JD Dolan
- [Temperature and Freeze-Thaw Effects on Dynamic Properties of Fine-Grained Soils](#) 2014  
Y Zhang, JL Hulsey  
Journal of Cold Regions Engineering 29 (2), 04014012
- [Life Cycle Costs for Alaska Bridges](#) 2014  
JL Hulsey, B Connor, A Metzger, DJ Pitts
- [LATERAL RESPONSE OF TEST PILES IN FROZEN AND THAWED GROUND](#) 2014  
JL Hulsey, J Horazdovsky, Z Yang, E Marx
- [Structural Health Monitoring Of Klehini River Bridge](#) 2014  
F Xiao, JL Hulsey, G Sheng  
Transportation Research Board 93rd Annual Meeting
- [Alaska Department of T](#) 2012  
JL Hulsey, PEP Brandon, F Xiao
- [Wearing Surface Testing: Yukon River Bridge](#) 2012  
JL Hulsey, T Wardell, P Brandon
- [Wearing Surface Testing and Screening: Yukon River Bridge](#) 2012  
JL Hulsey, PET Wardell
- [Wearing Surfaces: An Experimental Study for an Orthotropic Steel Deck](#) 2012  
JL Hulsey, W Muench, Z Jerla, G Imbsen  
Transportation Research Board 91st Annual Meeting
- [Performance and Seismic Design of Laterally Loaded Piles in Frozen Ground: Fixity Depth Approach](#) 2012  
Q Li, Z Yang, J Horazdovsky, JL Hulsey, E Marx  
Transportation Research Board 91st Annual Meeting
- [Allowable Loads for Round Timber Poles](#) 2009  
JL Hulsey, J Bannister  
University of Alaska Fairbanks, Cooperative Extension Service
- [3D FE Modeling and Field Test of Decked Precast, Prestressed Concrete Girder Bridges](#) 2004

Z Ma, JL Hulsey IABSE Symposium Report 88 (6), 126-131	2004
<b>Decked Precast and Prestressed Concrete Girder Bridges</b>	
Z Ma, JL Hulsey IABSE REPORTS 88, 186	2004
<b>Buried Utilities for Alaska: Dewater or Winter Work?</b>	
JL Hulsey, N Raad, S Saboundjian, R Brand Cold Regions Engineering: Cold Regions Impacts on Transportation and ...	2002
<b>YUKON RIVER BRIDGE, DECK STRAINS AND SURFACING ALTERNATIVES. FINAL REPORT</b>	1995
JL Hulsey, L Yang, K Curtis, L Raad	
<b>JOINTLESS PRESTRESSED GIRDER BRIDGES</b>	1992
JL Hulsey	
<b>Zhifeng Chen Graduate Student in Civil Engineering University of Alaska Fairbanks</b>	1992
JL Hulsey	
<b>REVISITING MANAGEMENT INFORMATION SYSTEMS FOR THE ALLOCATION OF FUNDS FOR HIGHWAY ACTIVITIES/PROJECTS/MAINTENANCE. FINAL REPORT</b>	1992
JL Hulsey, PA Koushki, L Raad	
<b>Revisiting Management Information Systems for the Allocation of Funds for Highway Activities/projects/maintenance</b>	1992
JL Hulsey, PA Koushki, L Raad Transportation Northwest (TransNow), Department of Civil Engineering ...	
<b>COMPOSITE BRIDGES ON FLEXIBLE SUPPORTS IN COLD REGIONS</b>	1990
JL Hulsey, DT Powell Second Workshop on Bridge Engineering Research in Progress, Proceedings	
<b>Instrumentation of a Cable Stayed Bridge at Skagway, Alaska</b>	1990
JL Hulsey, DK Delaney, RB Bunch, RW Briggs Bridge Evaluation, Repair and Rehabilitation, 445-462	
<b>CABLE STAYED STATIC LINEAR ANALYSIS FOR THE CAPTAIN WILLIAM MOORE CREEK BRIDGE. FINAL REPORT</b>	1989
JL Hulsey, DK Delaney	
<b>CABLE STAYED BRIDGE STATIC TESTS--AN EXPERIMENTAL STUDY FOR THE CAPTAIN WILLIAM MOORE CREEK BRIDGE. FINAL REPORT</b>	1989
JL Hulsey, DK Delaney, RW Briggs	
<b>コンクリートの熱膨張係数の推定 (Journal of the American Concrete Institute Vol. 74, No. 4," 7704")</b>	1978
JH Emanuel, JL Hulsey, 藤井忠義 建築雑誌 93 (1144), p54-55	

[Current design practice for bridge superstructures connected to flexible superstructures](#)

1973

JH Emanuel, JL Hulsey, J Best, JH Senne, LRE Thompson  
University of Missouri–Rolla. Civil, Architectural & Environmental Engineering

[The plastic behavior of reinforced concrete beams with varying percentages of reinforcing steel symmetrically placed](#)

1966

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[Reviewers of the Journal of Cold Regions Engineering](#)

J Alto, THW Baker, JJ Beaudoin, CE Behlke, EE Berry, GL Blaisdell, ...

[Seasonal Freezing Effects on the Lateral Behavior of Steel Pipe Piles](#)

F Xiong, G Xu, JL Hulsey, EE Marx

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