

Douglas D Gransberg

List of Publications by Year in descending order

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109
papers

1,609
citations

331538

21
h-index

434063

31
g-index

117
all docs

117
docs citations

117
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-asset prioritization model for transportation projects using multi-attribute utility theory: a case study. <i>International Journal of Construction Management</i> , 2023, 23, 2746-2755.	2.2	3
2	Cost, Change Order, and Schedule Performance of Highway Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2022, 14, .	0.9	7
3	Evaluation of the Impact of Collaboration and Integration on Performance of Industrial Projects. <i>Journal of Management in Engineering - ASCE</i> , 2021, 37, .	2.6	16
4	Subsurface Risk Management Tools for Alternative Project Delivery. , 2020, , .		0
5	Does Low Bid Award Facilitate Wrongdoing? US Implications of Quebec's Charbonneau Commission Report. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020, 12, 03719004.	0.9	11
6	Improving the Accuracy of Early Cost Estimates on Transportation Infrastructure Projects. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	2.6	24
7	Confidentiality Issues with Alternative Technical Concepts during Design-Build Project Procurement. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020, 12, 04519034.	0.9	4
8	Life cycle cost analysis of Portland cement slurry seal and microsurfacing to correct rutting. <i>Journal of Structural Integrity and Maintenance</i> , 2020, 5, 1-7.	0.7	6
9	Public Project Construction Manager-at-Risk Contracts: Lessons Learned from a Comparison of Commercial and Infrastructure Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020, 12, .	0.9	8
10	Nuclear density gauge compaction testing alternatives: synthesis and critical analysis. <i>Journal of Structural Integrity and Maintenance</i> , 2019, 4, 86-96.	0.7	5
11	Deterministic and stochastic life-cycle cost analysis for Otta seal surface treatment on low volume roads. <i>International Journal of Pavement Research and Technology</i> , 2019, 12, 101-109.	1.3	5
12	Economics of upgrading gravel roads to Otta seal surface. <i>Applied Economics</i> , 2019, 51, 4820-4832.	1.2	3
13	Evaluation of Partnering Intensity on Highway Construction Projects Performance. , 2019, , .		0
14	Complexity Mapping for Resilient and Sustainable Infrastructure: The Doppler Radar in Puerto Rico Case Study. , 2019, , .		0
15	Critical Comparison of Progressive Design-Build and Construction Manager/General Contractor Project Delivery Methods. <i>Transportation Research Record</i> , 2019, 2673, 261-268.	1.0	24
16	Critical Analysis of Case Law: Are Partnering Charters Binding?. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2019, 11, 06518005.	0.9	1
17	Impact of Owners' Early Decisions on Project Performance and Dispute Occurrence in Public Highway Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2018, 10, .	0.9	26
18	Impact of Collaboration and Integration on Performance of Industrial Projects. , 2018, , .		1

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19	Time of Involvement and Dispute Occurrence in Public Highway Projects. , 2018, , .		3
20	Analysis of Transportation Agenciesâ€™ Claim History: Partnered versus Nonpartnered. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2018, 10, .	0.9	6
21	Life-Cycle Cost Adjustment Factors in Alternate Design/Alternative Bid Pavement Bids: Added Value or Added Controversy?. Transportation Research Record, 2018, 2672, 21-27.	1.0	1
22	Evaluating the Influence of Differing Geotechnical Risk Perceptions on Design-Build Highway Projects. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2018, 4, .	1.1	11
23	Comparative analysis of repeatability and reproducibility of compaction testing. Journal of Structural Integrity and Maintenance, 2018, 3, 106-113.	0.7	5
24	Chip seal aggregate evaluation and successful roads preservation. Construction and Building Materials, 2018, 180, 396-404.	3.2	10
25	Multidimensional Highway Construction Cost Indexes Using Dynamic Item Basket. Journal of Construction Engineering and Management - ASCE, 2017, 143, 04017036.	2.0	10
26	Exploration of Early Work Packaging in Construction Managerâ€™General Contractor Highway Projects. Transportation Research Record, 2017, 2630, 68-75.	1.0	9
27	Emergency Megaproject Case Study Protest: The Interstate Highway 35 West Bridge. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2017, 9, 04517004.	0.9	2
28	Assessment of State Agenciesâ€™ Practices in Managing Geotechnical Risk in Designâ€™Build Projects. Transportation Research Record, 2017, 2630, 9-14.	1.0	6
29	Contractual Approaches to Address Geotechnical Uncertainty in Design-Build Public Transportation Projects. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2017, 9, 04516010.	0.9	10
30	Stochastic Conceptual Cost Estimating of Highway Projects to Communicate Uncertainty Using Bootstrap Sampling. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	15
31	Comparison of Qualifications-Based Selection and Best-Value Procurement for Construction Managerâ€™General Contractor Highway Construction. Transportation Research Record, 2017, 2630, 59-67.	1.0	17
32	Framework for Objectively Determining Best Practices for Alternative Contracting Methods. Transportation Research Record, 2017, 2630, 51-58.	1.0	2
33	Measuring users' impact to support economic growth through Transportation Asset Management planning. International Journal of Public Policy, 2017, 13, 323.	0.1	2
34	Construction engineering management culture shift: Is the lowest tender offer dead?. Frontiers of Engineering Management, 2017, 4, 49.	3.3	10
35	Cost and Scope Breakdown Structure for Functional Level Estimating of Consultant Fees. Transportation Research Record, 2016, 2573, 157-163.	1.0	4
36	Comparing Construction Managerâ€™General Contractor and Federal Early Contractor Involvement Project Delivery Methods. Transportation Research Record, 2016, 2573, 18-25.	1.0	5

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37	Impacts of Levels of Trust on Dispute Occurrences in Highway Projects. , 2016, , .		6
38	Life cycle cost evaluation of alternatives to the nuclear density gauge for compaction testing on design-build projects. Journal of Structural Integrity and Maintenance, 2016, 1, 197-203.	0.7	1
39	Current Practices of Highway Construction Cost Index Calculation and Utilization. , 2016, , .		5
40	Implementing Best-Value Procurement for Designâ€“Bidâ€“Build Highway Projects. Transportation Research Record, 2016, 2573, 26-33.	1.0	13
41	Alternative technical concepts: a geotechnical risk management tool. Journal of Structural Integrity and Maintenance, 2016, 1, 43-49.	0.7	9
42	Making the Business Case for Alliance Contracting on US Megaprojects. , 2016, , .		5
43	Reducing Data-Collection Efforts for Conceptual Cost Estimating at a Highway Agency. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	23
44	Utility Management System Cost and Time Benefits and Implications from the Local Agency Perspective. Journal of Infrastructure Systems, 2016, 22, .	1.0	10
45	Answering the \$64,000 Question: Geotechnical Risk in Design-Build Projects. Geo-strata, 2016, 20, 32-36.	0.0	0
46	Carbon Footprint Cost Index: A Pavement Case Study. Procedia Engineering, 2015, 118, 781-786.	1.2	2
47	Trends in Quality Management Approaches to Designâ€“Build Transportation Projects. Transportation Research Record, 2015, 2504, 87-92.	1.0	8
48	Applying Social Return on Investment to Risk-Based Transportation Asset Management Plans in Low-Volume Bridges. Transportation Research Record, 2015, 2473, 75-82.	1.0	9
49	Economic Haul Radius as Affected by Diesel Fuel Cost. Transportation Research Record, 2015, 2504, 3-9.	1.0	2
50	Policies and Procedures for Successful Implementation of Alternative Technical Concepts. Transportation Research Record, 2015, 2504, 78-86.	1.0	7
51	Integrating social impact to bridgeâ€™s asset management plans. Infrastructure Asset Management, 2015, 2, 3-14.	1.2	5
52	Submittal and Evaluation Procedures for Alternative Technical Concepts. Transportation Research Record, 2015, 2504, 10-18.	1.0	4
53	U.S. Partnering Programs and International Partnering Contracts and Alliances. Transportation Research Record, 2015, 2504, 73-77.	1.0	8
54	Defining Best Value for Construction Manager/General Contractor Projects: The CMGC Learning Curve. Journal of Management in Engineering - ASCE, 2015, 31, .	2.6	20

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55	Liability of Design-Builders for Design, Construction, and Acquisition Claims. , 2015, , .		5
56	Indefinite Delivery/Indefinite Quantity Contracting Practices. , 2015, , .		6
57	Managing geotechnical risk on US design-build transport projects. Construction Economics and Building, 2014, 14, 1-19.	0.5	14
58	Indefinite Deliveryâ€“Indefinite Quantity Contracting. Transportation Research Record, 2014, 2408, 17-25.	1.0	17
59	Applying Alternative Technical Concepts to Construction Managerâ€“General Contractor Project Delivery. Transportation Research Record, 2014, 2408, 10-16.	1.0	13
60	Geotechnical Requirements in the Designâ€“Build Selection Process. Transportation Research Record, 2014, 2408, 26-33.	1.0	9
61	Performance Bond. Transportation Research Record, 2014, 2408, 3-9.	1.0	7
62	Sustainable Pavement Preservation and Maintenance Practices. Green Energy and Technology, 2014, , 393-418.	0.4	6
63	Demonstrating How Sustainability Can Effectively Be Incorporated into Pavement Engineering and Management. , 2013, , .		2
64	Project Complexity Mapping in Five Dimensions for Complex Transportation Projects. Journal of Management in Engineering - ASCE, 2013, 29, 316-326.	2.6	66
65	A Critical Comparison of Construction Engineering and Architectural Engineering Curricula. , 2013, , .		0
66	Early Contractor Design Involvement to Expedite Delivery of Emergency Highway Projects. Transportation Research Record, 2013, 2347, 19-26.	1.0	29
67	A Framework to Reconcile Green Goals with Budget Reality. ISRN Construction Engineering, 2013, 2013, 1-10.	0.0	2
68	Defining Complex Project Management of Large U.S. Transportation Projects. Public Works Management Policy, 2012, 17, 170-188.	0.7	27
69	Stochastic Life-Cycle Cost Analysis for Pavement Preservation Treatments. Transportation Research Record, 2012, 2292, 45-51.	1.0	34
70	Effective Tools for Projects Delivered by Construction Managerâ€“General Contractor Method. Transportation Research Record, 2012, 2268, 33-39.	1.0	23
71	Quantifying the Value of Construction Contractor Preconstruction Involvement. , 2012, , .		2
72	Comparative Analysis of Macrotecture Measurement Tests for Pavement Preservation Treatments. Transportation Research Record, 2011, 2209, 34-40.	1.0	9

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73	Selection of Project Delivery Method in Transit: Drivers and Objectives. Journal of Management in Engineering - ASCE, 2011, 27, 21-27.	2.6	91
74	Life-Cycle Cost-Based Pavement Preservation Treatment Design. Transportation Research Record, 2011, 2235, 28-35.	1.0	14
75	A Multidimensional Model of Project Leadership. Leadership and Management in Engineering, 2011, 11, 162-168.	0.3	3
76	A Framework for Guaranteed Maximum Price and Contingency Development for Integrated Delivery of Transportation Projects. Journal of Construction Engineering and Project Management, 2011, 1, 1-10.	0.6	9
77	Sustainability by..." A Synthesis of Procurement Approaches for High Performance Buildings. , 2010, , .		2
78	Coordination of Design Contract with Construction Manager-at-Risk Preconstruction Service Contract. Transportation Research Record, 2010, 2151, 55-59.	1.0	13
79	Framework for Performance-Based Contractor Prequalification. Transportation Research Record, 2010, 2151, 46-54.	1.0	8
80	Quantifying the Impact of Peer Evaluations on Student Team Project Grading. International Journal of Construction Education and Research, 2010, 6, 3-17.	1.1	11
81	A Critical Analysis of Innovations in Construction Manager-at-Risk Project Delivery. , 2010, , .		9
82	Impact of Inaccurate Engineer's Estimated Quantities on Unit Price Contracts. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1138-1145.	2.0	38
83	Life-Cycle Cost Analysis of Surface Retexturing with Shotblasting as an Asphalt Pavement Preservation Tool. Transportation Research Record, 2009, 2108, 46-52.	1.0	12
84	Decision Support System for Selection of Project Delivery Method in Transit. Transportation Research Record, 2009, 2111, 148-157.	1.0	12
85	Comparative Analysis of Owner Goals for Design/Build Projects. Journal of Management in Engineering - ASCE, 2008, 24, 32-39.	2.6	45
86	Communicating Design Quality Requirements for Public Sector Design/Build Projects. Journal of Management in Engineering - ASCE, 2008, 24, 105-110.	2.6	31
87	Does Design-Build Project Delivery Affect the Future of the Public Engineer?. Transportation Research Record, 2008, 2081, 3-8.	1.0	12
88	Analysis of Federal Design-Build Request for Proposal Evaluation Criteria. Journal of Management in Engineering - ASCE, 2007, 23, 105-111.	2.6	33
89	Using a New Zealand Performance Specification to Evaluate U.S. Chip Seal Performance. Journal of Transportation Engineering, 2007, 133, 688-695.	0.9	16
90	Relating Cost Growth from the Initial Estimate to Design Fee for Transportation Projects. Journal of Construction Engineering and Management - ASCE, 2007, 133, 404-408.	2.0	43

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91	Strip Sealing and Ultra-High-Pressure Watercutting Technique for Restoring Skid Resistance on Low-Volume Roads. Transportation Research Record, 2007, 1989-1, 234-239.	1.0	9
92	Correlating Chip Seal Performance and Construction Methods. Transportation Research Record, 2006, 1958, 54-58.	1.0	11
93	Implementing Best-Value Procurement in Highway Construction Projects. , 2006, , 60-79.		2
94	Legal Challenge to a Best-Value Procurement System. Leadership and Management in Engineering, 2006, 6, 20-25.	0.3	9
95	Correlating Chip Seal Performance and Construction Methods. Transportation Research Record, 2006, 1958, 54-58.	1.0	4
96	Analysis of Emulsion and Hot Asphalt Cement Chip Seal Performance. Journal of Transportation Engineering, 2005, 131, 229-238.	0.9	24
97	Chip Seal Program Excellence in the United States. Transportation Research Record, 2005, 1933, 72-82.	1.0	6
98	Analysis of Owner's Design and Construction Quality Management Approaches in Design/Build Projects. Journal of Management in Engineering - ASCE, 2004, 20, 162-169.	2.6	56
99	Life-Cycle Cost Award Algorithms for Design/Build Highway Pavement Projects. Journal of Infrastructure Systems, 2004, 10, 167-175.	1.0	22
100	Calculating Roller Requirements for Chip Seal Projects. Journal of Construction Engineering and Management - ASCE, 2004, 130, 378-384.	2.0	10
101	Design/Build in Transportation from the Research Perspective. Leadership and Management in Engineering, 2003, 3, 133-136.	0.3	3
102	Design-Builder Selection for Small Highway Projects. Journal of Management in Engineering - ASCE, 2001, 17, 214-223.	2.6	72
103	Influence of Pavement Surface Characteristics on Nighttime Visibility of Objects. Transportation Research Record, 1999, 1692, 39-48.	1.0	8
104	Quantitative Analysis of Partnered Project Performance. Journal of Construction Engineering and Management - ASCE, 1999, 125, 161-166.	2.0	77
105	Design-Build Contract Award Methods for Transportation Projects. Journal of Transportation Engineering, 1999, 125, 565-567.	0.9	35
106	Optimizing Haul Unit Size and Number Based on Loading Facility Characteristics. Journal of Construction Engineering and Management - ASCE, 1996, 122, 248-253.	2.0	19
107	A Guidebook for the Evaluation of Project Delivery Methods. , 0, , .		26
108	A Guidebook for Selecting Airport Capital Project Delivery Methods. , 0, , .		6

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109	Construction Manager-at-Risk Project Delivery for Highway Programs. , 0, , .		46