

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	Selection of Project Delivery Method in Transit: Drivers and Objectives. Journal of Management in Engineering - ASCE, 2011, 27, 21-27.	2.6	91
2	Quantitative Analysis of Partnered Project Performance. Journal of Construction Engineering and Management - ASCE, 1999, 125, 161-166.	2.0	77
3	Design-Builder Selection for Small Highway Projects. Journal of Management in Engineering - ASCE, 2001, 17, 214-223.	2.6	72
4	Project Complexity Mapping in Five Dimensions for Complex Transportation Projects. Journal of Management in Engineering - ASCE, 2013, 29, 316-326.	2.6	66
5	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
6	Construction Manager-at-Risk Project Delivery for Highway Programs. , 0, , .		46
7	Comparative Analysis of Owner Goals for Design/Build Projects. Journal of Management in Engineering - ASCE, 2008, 24, 32-39.	2.6	45
8	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
9	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
10	Design-Build Contract Award Methods for Transportation Projects. Journal of Transportation Engineering, 1999, 125, 565-567.	0.9	35
11	Stochastic Life-Cycle Cost Analysis for Pavement Preservation Treatments. Transportation Research Record, 2012, 2292, 45-51.	1.0	34
12	Analysis of Federal Design-Build Request for Proposal Evaluation Criteria. Journal of Management in Engineering - ASCE, 2007, 23, 105-111.	2.6	33
13	Communicating Design Quality Requirements for Public Sector Design/Build Projects. Journal of Management in Engineering - ASCE, 2008, 24, 105-110.	2.6	31
14	Early Contractor Design Involvement to Expedite Delivery of Emergency Highway Projects. Transportation Research Record, 2013, 2347, 19-26.	1.0	29
15	Defining Complex Project Management of Large U.S. Transportation Projects. Public Works Management Policy, 2012, 17, 170-188.	0.7	27
16	Impact of Owners' Early Decisions on Project Performance and Dispute Occurrence in Public Highway Projects. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2018, 10, .	0.9	26
17	A Guidebook for the Evaluation of Project Delivery Methods. , 0, , .		26
18	Analysis of Emulsion and Hot Asphalt Cement Chip Seal Performance. Journal of Transportation Engineering, 2005, 131, 229-238.	0.9	24

#	ARTICLE	IF	CITATIONS
19	Critical Comparison of Progressive Design-Build and Construction Manager/General Contractor Project Delivery Methods. Transportation Research Record, 2019, 2673, 261-268.	1.0	24
20	Improving the Accuracy of Early Cost Estimates on Transportation Infrastructure Projects. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	24
21	Effective Tools for Projects Delivered by Construction Managerâ€“General Contractor Method. Transportation Research Record, 2012, 2268, 33-39.	1.0	23
22	Reducing Data-Collection Efforts for Conceptual Cost Estimating at a Highway Agency. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	23
23	Life-Cycle Cost Award Algorithms for Design/Build Highway Pavement Projects. Journal of Infrastructure Systems, 2004, 10, 167-175.	1.0	22
24	Defining Best Value for Construction Manager/General Contractor Projects: The CMGC Learning Curve. Journal of Management in Engineering - ASCE, 2015, 31, .	2.6	20
25	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
26	Indefinite Deliveryâ€“Indefinite Quantity Contracting. Transportation Research Record, 2014, 2408, 17-25.	1.0	17
27	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
28	Using a New Zealand Performance Specification to Evaluate U.S. Chip Seal Performance. Journal of Transportation Engineering, 2007, 133, 688-695.	0.9	16
29	Evaluation of the Impact of Collaboration and Integration on Performance of Industrial Projects. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	16
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	Life-Cycle Cost-Based Pavement Preservation Treatment Design. Transportation Research Record, 2011, 2235, 28-35.	1.0	14
32	Managing geotechnical risk on US design-build transport projects. Construction Economics and Building, 2014, 14, 1-19.	0.5	14
33	Coordination of Design Contract with Construction Manager-at-Risk Preconstruction Service Contract. Transportation Research Record, 2010, 2151, 55-59.	1.0	13
34	Applying Alternative Technical Concepts to Construction Managerâ€“General Contractor Project Delivery. Transportation Research Record, 2014, 2408, 10-16.	1.0	13
35	Implementing Best-Value Procurement for Designâ€“Bidâ€“Build Highway Projects. Transportation Research Record, 2016, 2573, 26-33.	1.0	13
36	Does Design-Build Project Delivery Affect the Future of the Public Engineer?. Transportation Research Record, 2008, 2081, 3-8.	1.0	12

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37	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
38	Decision Support System for Selection of Project Delivery Method in Transit. Transportation Research Record, 2009, 2111, 148-157.	1.0	12
39	Correlating Chip Seal Performance and Construction Methods. Transportation Research Record, 2006, 1958, 54-58.	1.0	11
40	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
41	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
42	Does Low Bid Award Facilitate Wrongdoing? US Implications of Quebec's Charbonneau Commission Report. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, 03719004.	0.9	11
43	Calculating Roller Requirements for Chip Seal Projects. Journal of Construction Engineering and Management - ASCE, 2004, 130, 378-384.	2.0	10
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	Multidimensional Highway Construction Cost Indexes Using Dynamic Item Basket. Journal of Construction Engineering and Management - ASCE, 2017, 143, 04017036.	2.0	10
46	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
47	Chip seal aggregate evaluation and successful roads preservation. Construction and Building Materials, 2018, 180, 396-404.	3.2	10
48	Construction engineering management culture shift: Is the lowest tender offer dead?. Frontiers of Engineering Management, 2017, 4, 49.	3.3	10
49	Legal Challenge to a Best-Value Procurement System. Leadership and Management in Engineering, 2006, 6, 20-25.	0.3	9
50	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
51	A Critical Analysis of Innovations in Construction Manager-at-Risk Project Delivery. , 2010, , .		9
52	Comparative Analysis of Macrotexture Measurement Tests for Pavement Preservation Treatments. Transportation Research Record, 2011, 2209, 34-40.	1.0	9
53	Geotechnical Requirements in the Design-Build Selection Process. Transportation Research Record, 2014, 2408, 26-33.	1.0	9
54	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

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55	Alternative technical concepts: a geotechnical risk management tool. Journal of Structural Integrity and Maintenance, 2016, 1, 43-49.	0.7	9
56	Exploration of Early Work Packaging in Construction Manager-General Contractor Highway Projects. Transportation Research Record, 2017, 2630, 68-75.	1.0	9
57	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
58	Influence of Pavement Surface Characteristics on Nighttime Visibility of Objects. Transportation Research Record, 1999, 1692, 39-48.	1.0	8
59	Framework for Performance-Based Contractor Prequalification. Transportation Research Record, 2010, 2151, 46-54.	1.0	8
60	Trends in Quality Management Approaches to Design-Build Transportation Projects. Transportation Research Record, 2015, 2504, 87-92.	1.0	8
61	U.S. Partnering Programs and International Partnering Contracts and Alliances. Transportation Research Record, 2015, 2504, 73-77.	1.0	8
62	Public Project Construction Manager-at-Risk Contracts: Lessons Learned from a Comparison of Commercial and Infrastructure Projects. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, .	0.9	8
63	Performance Bond. Transportation Research Record, 2014, 2408, 3-9.	1.0	7
64	Policies and Procedures for Successful Implementation of Alternative Technical Concepts. Transportation Research Record, 2015, 2504, 78-86.	1.0	7
65	Cost, Change Order, and Schedule Performance of Highway Projects. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2022, 14, .	0.9	7
66	Impacts of Levels of Trust on Dispute Occurrences in Highway Projects. , 2016, , .		6
67	Assessment of State Agencies' Practices in Managing Geotechnical Risk in Design-Build Projects. Transportation Research Record, 2017, 2630, 9-14.	1.0	6
68	Analysis of Transportation Agencies' Claim History: Partnered versus Nonpartnered. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2018, 10, .	0.9	6
69	Life cycle cost analysis of Portland cement slurry seal and microsurfacing to correct rutting. Journal of Structural Integrity and Maintenance, 2020, 5, 1-7.	0.7	6
70	A Guidebook for Selecting Airport Capital Project Delivery Methods. , 0, , .		6
71	Indefinite Delivery/Indefinite Quantity Contracting Practices. , 2015, , .		6
72	Chip Seal Program Excellence in the United States. Transportation Research Record, 2005, 1933, 72-82.	1.0	6

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73	Sustainable Pavement Preservation and Maintenance Practices. Green Energy and Technology, 2014, , 393-418.	0.4	6
74	Integrating social impact to bridgeâ€™s asset management plans. Infrastructure Asset Management, 2015, 2, 3-14.	1.2	5
75	Comparing Construction Managerâ€™General Contractor and Federal Early Contractor Involvement Project Delivery Methods. Transportation Research Record, 2016, 2573, 18-25.	1.0	5
76	Current Practices of Highway Construction Cost Index Calculation and Utilization. , 2016, , .		5
77	Making the Business Case for Alliance Contracting on US Megaprojects. , 2016, , .		5
78	Comparative analysis of repeatability and reproducibility of compaction testing. Journal of Structural Integrity and Maintenance, 2018, 3, 106-113.	0.7	5
79	Nuclear density gauge compaction testing alternatives: synthesis and critical analysis. Journal of Structural Integrity and Maintenance, 2019, 4, 86-96.	0.7	5
80	Deterministic and stochastic life-cycle cost analysis for Otta seal surface treatment on low volume roads. International Journal of Pavement Research and Technology, 2019, 12, 101-109.	1.3	5
81	Liability of Design-Builders for Design, Construction, and Acquisition Claims. , 2015, , .		5
82	Submittal and Evaluation Procedures for Alternative Technical Concepts. Transportation Research Record, 2015, 2504, 10-18.	1.0	4
83	Cost and Scope Breakdown Structure for Functional Level Estimating of Consultant Fees. Transportation Research Record, 2016, 2573, 157-163.	1.0	4
84	Confidentiality Issues with Alternative Technical Concepts during Design-Build Project Procurement. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, 04519034.	0.9	4
85	Correlating Chip Seal Performance and Construction Methods. Transportation Research Record, 2006, 1958, 54-58.	1.0	4
86	Design/Build in Transportation from the Research Perspective. Leadership and Management in Engineering, 2003, 3, 133-136.	0.3	3
87	A Multidimensional Model of Project Leadership. Leadership and Management in Engineering, 2011, 11, 162-168.	0.3	3
88	Time of Involvement and Dispute Occurrence in Public Highway Projects. , 2018, , .		3
89	Economics of upgrading gravel roads to Otta seal surface. Applied Economics, 2019, 51, 4820-4832.	1.2	3
90	Cross-asset prioritization model for transportation projects using multi-attribute utility theory: a case study. International Journal of Construction Management, 2023, 23, 2746-2755.	2.2	3

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91	Implementing Best-Value Procurement in Highway Construction Projects. , 2006, , 60-79.		2
92	Sustainability by..." A Synthesis of Procurement Approaches for High Performance Buildings. , 2010, , .		2
93	Demonstrating How Sustainability Can Effectively Be Incorporated into Pavement Engineering and Management. , 2013, , .		2
94	A Framework to Reconcile Green Goals with Budget Reality. ISRN Construction Engineering, 2013, 2013, 1-10.	0.0	2
95	Carbon Footprint Cost Index: A Pavement Case Study. Procedia Engineering, 2015, 118, 781-786.	1.2	2
96	Economic Haul Radius as Affected by Diesel Fuel Cost. Transportation Research Record, 2015, 2504, 3-9.	1.0	2
97	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
98	Framework for Objectively Determining Best Practices for Alternative Contracting Methods. Transportation Research Record, 2017, 2630, 51-58.	1.0	2
99	Measuring users' impact to support economic growth through Transportation Asset Management planning. International Journal of Public Policy, 2017, 13, 323.	0.1	2
100	Quantifying the Value of Construction Contractor Preconstruction Involvement. , 2012, , .		2
101	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
102	Impact of Collaboration and Integration on Performance of Industrial Projects. , 2018, , .		1
103	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
104	Critical Analysis of Case Law: Are Partnering Charters Binding?. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2019, 11, 06518005.	0.9	1
105	A Critical Comparison of Construction Engineering and Architectural Engineering Curricula. , 2013, , .		0
106	Evaluation of Partnering Intensity on Highway Construction Projects Performance. , 2019, , .		0
107	Complexity Mapping for Resilient and Sustainable Infrastructure: The Doppler Radar in Puerto Rico Case Study. , 2019, , .		0
108	Subsurface Risk Management Tools for Alternative Project Delivery. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
109	Answering the \$64,000 Question: Geotechnical Risk in Design-Build Projects. Geo-strata, 2016, 20, 32-36.	0.0	0