

Malcolm H Ray

List of Publications by Year in descending order

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22
papers

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1163117

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22
all docs

22
docs citations

22
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73
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Element Modeling of Guardrail Timber Posts and the Post-Soil Interaction. Transportation Research Record, 1998, 1647, 139-146.	1.9	37
2	Impact Performance of the G4(1W) and G4(2W) Guardrail Systems: Comparison Under NCHRP Report 350 Test 3-11 Conditions. Transportation Research Record, 2000, 1720, 7-18.	1.9	23
3	Characteristics of Fixed-Roadside-Object Side-Impact Accidents. Journal of Transportation Engineering, 1991, 117, 281-297.	0.9	20
4	Improvements to the Weak-Post W-Beam Guardrail. Transportation Research Record, 2001, 1743, 88-96.	1.9	19
5	Repeatability of Full-Scale Crash Tests and Criteria for Validating Simulation Results. Transportation Research Record, 1996, 1528, 155-160.	1.9	16
6	Finite-Element Model of Modified Eccentric Loader Terminal (MELT). Transportation Research Record, 1997, 1599, 11-21.	1.9	15
7	Performance of W-Beam Splices. Transportation Research Record, 2001, 1743, 120-125.	1.9	12
8	Characterizing Guardrail Steel for LS-DYNA3D Simulations. Transportation Research Record, 1996, 1528, 138-145.	1.9	11
9	Effects of Post and Soil Strength on Performance of Modified Eccentric Loader Breakaway Cable Terminal. Transportation Research Record, 1999, 1690, 78-83.	1.9	7
10	Evaluating Human Risk in Side Impact Collisions with Roadside Objects. Transportation Research Record, 2000, 1720, 67-71.	1.9	5
11	Videolog Assessment of Vehicle Collision Frequency with Concrete Median Barriers on an Urban Highway in Connecticut. Transportation Research Record, 1999, 1690, 59-67.	1.9	5
12	Performance of Breakaway Cable and Modified Eccentric Loader Terminals in Iowa and North Carolina: In-Service Evaluation. Transportation Research Record, 2000, 1720, 44-51.	1.9	4
13	Side-Impact Crash Test and Evaluation Criteria for Roadside Safety Hardware. Transportation Research Record, 1998, 1647, 97-103.	1.9	3
14	Tree Planting and Clearing Guidance with Consideration of Minimized Crash Risk. Transportation Research Record, 2016, 2588, 110-115.	1.9	3
15	Method for Modeling Crash Severity with Observable Crash Data. Transportation Research Record, 2014, 2437, 1-9.	1.9	2
16	Understanding of Heavy-Vehicle Encroachment Frequency. Transportation Research Record, 2014, 2437, 20-26.	1.9	2
17	In-Service Performance Evaluation of Bullnose Median Barriers in Iowa. Journal of Transportation Engineering, 2003, 129, 69-76.	0.9	1
18	Proposed Horizontal Curve and Vertical Grade Encroachment Adjustment Factors. Transportation Research Record, 2015, 2521, 96-102.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Use of Risk Analysis to Minimize Adverse Consequences in Nonstandard Designs. Transportation Research Record, 2015, 2521, 111-116.	1.9	1
20	Proposed Heavy Vehicle Encroachment Adjustment Factor. Transportation Research Record, 2015, 2521, 103-110.	1.9	0
21	Assessing the Field Performance of W-Beam Terminals in Washington. , 2018, , .		0
22	Modeling the Probability of a Collision Given the Lateral Offset and Size of a Narrow-Fixed Object. , 2020, , .		0