Transportation International Documentation

Date revised: 4 August 2021

Description

Transport Research International Documentation is a composite file with records that are either abstracts of published articles and reports, or summaries of ongoing or recently completed research projects relevant to the planning, development, operation, and performance of transportation systems and their components. Users can search the entire TRID database or restrict their searches to any combination of subfiles and record types. TRID provides international coverage of ongoing research projects, published journal articles, state and federal government reports, conference proceedings, research and technical papers, and monographs. The major TRID subfiles are as follows:

- HRIS--Highway Research Information Service
- IRRD--International Road Research Documentation
- TLIB--Transportation Libraries: joint contributions by the Northwestern University Transportation Library and the University of California, Berkeley, Institute of Transportation Studies Library
- UMTRIS--Urban Mass Transportation Research Information Service
- ATRIS--the Air Transportation Research Information Service
- HSL--Highway Safety Literature
- MRIS--Maritime Research Information Service
- RRIS--Railroad Research Information Service

Subject Coverage

TRID coverage includes the following aspects of air, highway, rail, maritime and waterborne transport, mass transit, and other transportation modes:

- Policy, Planning, and Administration
- Government Information
- Energy, Environment, and Safety Concerns
- Materials, Design, Construction, and Maintenance Technology for Facilities, Vehicles, and Vessels
- Operators, Operations, Traffic Control, and Communications
- Physical and Economic Performance Characteristics
- User and Socioeconomic Concerns

Date Coverage

1968–present

Update Frequency

Monthly

Geographic Coverage

International

Document Types

- Reports
- Bibliographies
- Conferences, Symposia, Meetings
- Journal Articles
- Research Projects

Publisher

Transport Research International Documentation is produced by:

Transportation Research Board (TRB)
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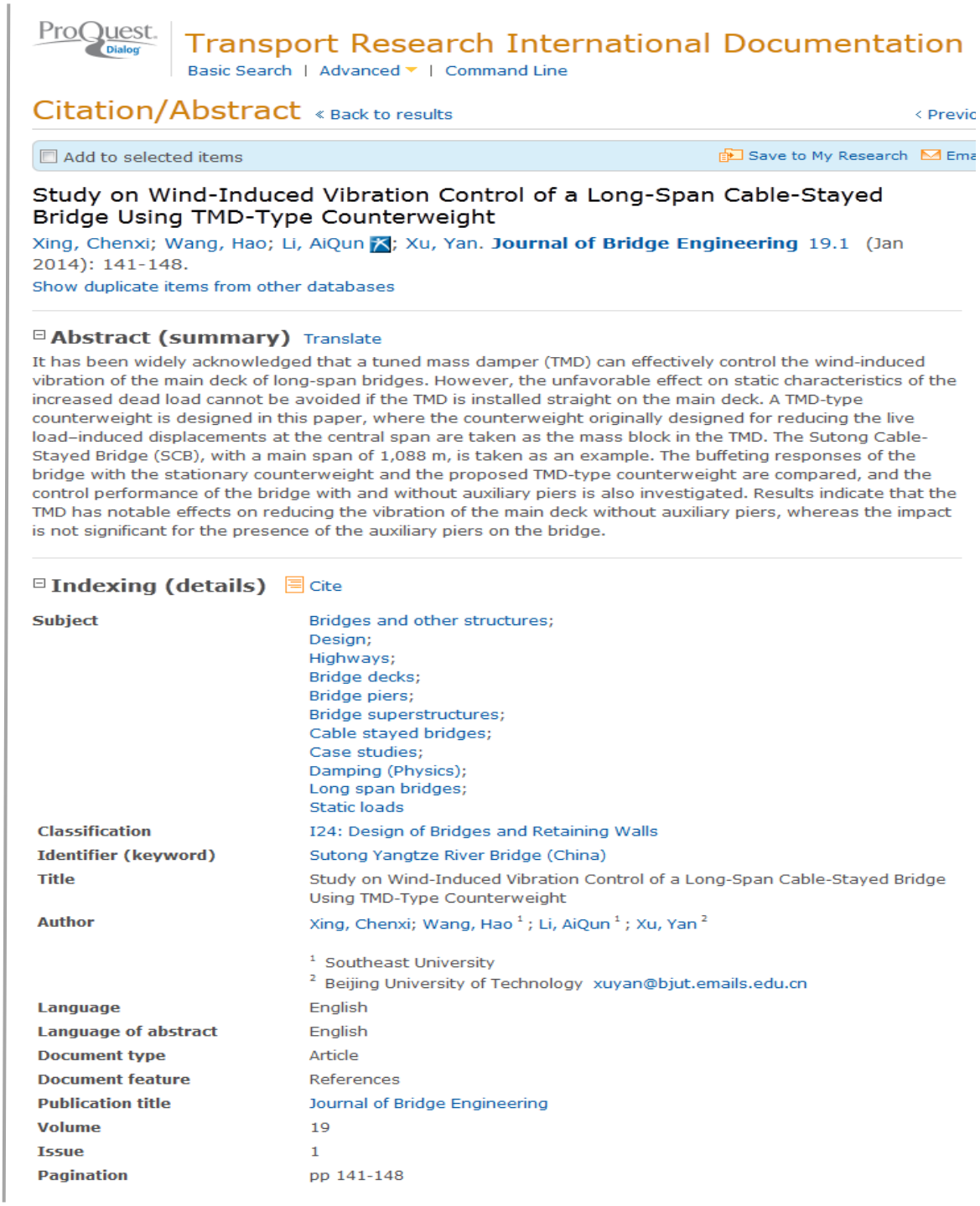
In addition to ***Search Fields***, other tools available for searching are ***Limit Options***, ***Browse Fields***, ***"Narrow Results By" Limiters*** and ***Look Up Citation***. Each is listed separately below. Some data can be searched using more than one tool.

Sample Document



ProQuest Dialog

Transport Research International Documentation

Basic Search | Advanced | Command Line

Citation/Abstract « Back to results ‹ Previc

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TI

Study on Wind-Induced Vibration Control of a Long-Span Cable-Stayed Bridge Using TMD-Type Counterweight

AU

Xing, Chenxi; Wang, Hao; Li, AiQun; Xu, Yan. **Journal of Bridge Engineering** 19.1 (Jan 2014): 141-148.

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AB

Abstract (summary) Translate

It has been widely acknowledged that a tuned mass damper (TMD) can effectively control the wind-induced vibration of the main deck of long-span bridges. However, the unfavorable effect on static characteristics of the increased dead load cannot be avoided if the TMD is installed straight on the main deck. A TMD-type counterweight is designed in this paper, where the counterweight originally designed for reducing the live load–induced displacements at the central span are taken as the mass block in the TMD. The Sutong Cable-Stayed Bridge (SCB), with a main span of 1,088 m, is taken as an example. The buffeting responses of the bridge with the stationary counterweight and the proposed TMD-type counterweight are compared, and the control performance of the bridge with and without auxiliary piers is also investigated. Results indicate that the TMD has notable effects on reducing the vibration of the main deck without auxiliary piers, whereas the impact is not significant for the presence of the auxiliary piers on the bridge.

Indexing (details) Cite

SU

Subject	Bridges and other structures; Design; Highways; Bridge decks; Bridge piers; Bridge superstructures; Cable stayed bridges; Case studies; Damping (Physics); Long span bridges; Static loads
Classification	I24: Design of Bridges and Retaining Walls
Identifier (keyword)	Sutong Yangtze River Bridge (China)
Title	Study on Wind-Induced Vibration Control of a Long-Span Cable-Stayed Bridge Using TMD-Type Counterweight
Author	Xing, Chenxi; Wang, Hao [1]; Li, AiQun [1]; Xu, Yan [2]
	[1] Southeast University [2] Beijing University of Technology xuyan@bjut.emails.edu.cn
Language	English
Language of abstract	English
Document type	Article
Document feature	References
Publication title	Journal of Bridge Engineering
Volume	19
Issue	1
Pagination	pp 141-148

CC
IF

TI
AU

LA
SL

DTYPE
DF
PUB

VO
ISS
PG

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ISSN	ISSN	1084-0702
PSTYPE	Publication type	Trade Journal
PB	Publisher	American Society of Civil Engineers
	Publisher URL	http://ojps.aip.org/beo
NT	Notes	Copyright © 2013 American Society of Civil Engineers.; Media type: Web
AV	Availability	Find a library where document is available, http://worldcat.org/oclc/32947845
	URL	http://dx.doi.org/10.1061/(ASCE)BE.1943-5592.0000500
PD,YR	Publication date	Jan 2014
DCRE	Date created	2013-12-18
DREV	Date revised	2014-01-24
AN	Source attribution	Transport Research International Documentation, © Publisher specific
	Accession number	01504614
	Document URL	http://search.proquest.com/professional/docview/1493091100?accountid=137296
FAV		
UD	First available	2014-02-01
	Updates	2014-02-01
	Database	Transport Research International Documentation (1968 - current)

Search Fields

You can use field codes on the Basic Search, Advanced Search, and Command Line Search pages to limit searches to specific fields. The table below lists the field codes for this file.

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("tuned mass damper")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	TMD AND abany(yes)	Add: *AND ABANY(YES)* to a query to limit retrieval to records with abstracts.
Accession number	AN	an(01504614)	A unique document identification number assigned by the information provider.
All fields	ALL	all("wind-induced vibration")	Searches all fields in bibliographic files. Use adjacency and/or Boolean operators to narrow search results.
All fields + text	--	"wind-induced vibration"	Same as ALL field code: searches all fields in bibliographic files.
Author[1] Author First Name Author Last Name	AU AUFN AULN	au(wang, hao) aufn(hao) auln(wang)	Includes all Authors.
First author	FAU	fau(xing, chenxi)	First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse.
Author affiliation	AF	af("Beijing university of technology")	Includes as much data as is available in the original document, such as department, organization, address, city, state, country, author email, etc.
Availability	AV	av(http://worldcat.org/oclc/32947845)	
Classification	CC	cc(I24: design of bridges & retaining walls)	

[1] A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse Fields.

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Field Name	Field Code	Example	Description and Notes
Corporate author	CA	ca(federal highway administration) ca(Gresham, Smith and Partners)	
Conference country	CCNT	ccnt(turkey)	
Conference information	CF	cf("Conference Number: 10") cf(2009-08-30)	Includes conference title, date, sponsor, and location.
Conference location	CG	cg(antalya turkey)	
Conference sponsor	CS	cs("association for european transport")	
Conference title	CFTI	cfti("2nd World Conference on Business, Economics and Management")	
Conference start date	ESDT, CDT	esdt(2013-04-25)	
Conference end date	EVDT	evdt(2013-04-28)	
Country of publication	CP	cp(united kingdom)	
Date created	DCRE	dcre(2013-12-18)	
Date revised	DREV	drev(2014-01-24)	
Document title	TI	ti(Study on Wind-Induced Vibration Control)	Includes Title, Alternate Title, Original Title, and Subtitle but not Publication Title (PUB).
Title only	TIO	tio("long span" PRE/4 Bridge)	Searches only the Title, not alternate title or subtitle.
Alternate title	OTI	oti("long span" PRE/4 Bridge)	Includes Alternate title, subtitle, and original-language of document title, if available.
Document features	DF	df(references) df(figures)	
Document type	DTYPE	dtype(article)	
First available	FAV	fav(2013-03-13)	Indicates the first time the document was loaded on PQD. It will not change regardless of many times the record is subsequently reloaded, as long as the Accession Number does not change.
From database[2]	FDB	fractionation AND fdb(tris)	Useful in multi-file searches to isolate records from a single file. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.

[2] Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

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Field Name	Field Code	Example	Description and Notes
		fractionation AND fdb(1008481)	
Identifier	IF	if(sutong yangtze river bridge)	
ISBN	ISBN	isbn(84-88661-06-1)	
ISSN	ISSN	issn(1084-0702) issn(10840702)	Also searchable via the Look Up Citation tool.
Issue	ISS	iss(1) iss(E-C159)	Also searchable via the Look Up Citation tool.
Language	LA	la(english)	The language in which the document was originally published.
Language of abstract	SL	sl(english)	
Location[1]	LOC	loc(hong kong)	Also searchable using the Subject field code (SU).
Notes	NT	nt("media type web")	
Pagination	PG	pg(141-148)	Includes: start page (and end page – where available). The start page is searchable on the Look Up Citation page.
Publication date	PD	pd(201401) pd(2012-2014) pd(>=2010)	Date range searching is supported.
Publication title[1]	PUB	pub(journal of bridge engineering)	Title of publication where document originally appears, commonly a monograph or periodical title.
Publication type	PSTYPE	pstype(trade journals)	
Publication year	YR	yr(2014) yr(>=2012)	Date range searching is supported.
Publisher	PB	pb(American society of civil engineers)	
Publisher URL	--	http://www.elsevier.com/locate/issn/096707X	
Start page	PAGE	page(141)	
Subject[1]	SU	su("cable stayed bridges")	Includes the majority of descriptor fields.
Updated	UD	ud(2014-02-01)	The date(s) the record was loaded as a result of an update provided by the supplier.
Volume of publication	VO	vo(19)	

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Limit options

Limit options are quick and easy ways of searching certain common concepts**.** Check boxes are available for:

Abstract included

Short lists of choices are available for:

- **Source type, Document type, Language**

Date limiters are available in which you can select single dates or ranges of dates for date of **publication** and **updated**.

Browse fields

You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down and in the search options for:

- **Author, Publication title, Subject**

“Narrow Results By” limiters

When results of a search are presented, the results display is accompanied by a list of “Narrow results by” options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on the term to apply it to (“narrow”) your search results. “Narrow results by” limiters in Transport Research International Documentation include:

- **Author, Source type, Publication title, Document type, Subject, Location, Language, Publication date**

Look up citation

If you need to trace a particular bibliographic reference, use the Look Up Citation feature. Find a link to this toward the top left of the Advanced Search page, or in the drop list under Advanced on any search form; click this and you will go to a form where you can enter any known details of the citation, including document title, author, journal name, volume, issue, page, publication date, ISSN.

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