

Home ► All Journals ► Economics, Finance & Business ► Construction Management and Economics ► List of Issues ► Volume 28, Issue 12 ► Risk identification and assessment in su

Construction Management and Economics >

Volume 28, 2010 - Issue 12

1,999710ViewsCrossRef citations to dateAltmetricPAPERS

٩

Risk identification and assessment in subway projects: case study of Nanjing Subway Line 2

Patrick X.W. Zou 🔽 & Jie Li

Pages 1219-1238 | Received 18 Aug 2009, Accepted 25 Aug 2010, Published online: 13 Dec 2010

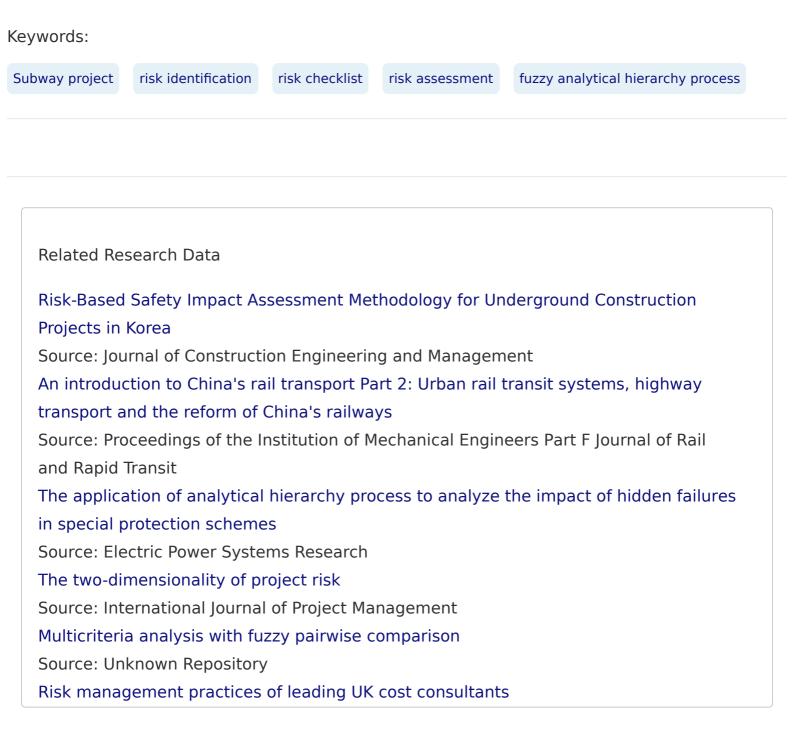
G Cite this article Attps://doi.org/10.1080/01446193.2010.519781



Abstract

Underground subways are constructed in major cities across China to overcome the transportation problems in the urbanization process. The aim is to develop a comprehensive risk checklist associated with subway projects and a methodology to assess the risks at the early stage of a project. Based on the analysis of accidents that have happened in previous projects, a review of current literature and the results of interviews, a comprehensive risk checklist was developed, followed by proposing a risk analysis methodology using fuzzy analytical hierarchy process (AHP). Then the Nanjing Subway Line 2 project was analysed using the proposed risk checklist and fuzzy AHP method. The data were obtained through interviews and two rounds of questionnaire surveys with the personnel directly involved in the Nanjing Subway Line 2 project. The results of risk identification and assessment are presented and their managerial

implications are discussed. The information presented here should be relevant to both academics and practitioners in the field of subway project management.



Related research (1)

People also read	Recommended articles	Cited by 71
		/1

Information for	Open access
Authors	Overview
R&D professionals	Open journals
Editors	Open Select
Librarians	Dove Medical Press
Societies	F1000Research
Opportunities	Help and information
Reprints and e-prints	Help and contact
Advertising solutions	Newsroom
Accelerated publication	All journals
Corporate access solutions	Books

Keep up to date

Register to receive personalised research and resources by email





Copyright © 2025 Informa UK Limited Privacy policy Cookies Terms & conditions

Taylor & Francis Group an informa business



Registered in England & Wales No. 01072954 5 Howick Place | London | SW1P 1WG