

# **1. E-Journals**

# ASCE Library

(Subscription Period: 01-September-2022 to 31-August-2023)

The screenshot displays the ASCE Library website interface. At the top, the ASCE LIBRARY logo is on the left, and the text "Access provided by Jaypee University Of Information Tech - Solan" is in the center. A search bar with the placeholder "Search term(s)" and a magnifying glass icon is on the right, next to a "Login / Register" link. Below the header is a navigation menu with links for JOURNALS, BOOKS, MAGAZINES, AUTHOR CENTER, USER SERVICES, and TOPICS. On the right side of the menu are links for SUBMIT, SUBSCRIBE, and RECOMMEND.

On the left side of the main content area, there is a grid of circular buttons labeled with letters A through Z. Below this is a "TOPICS" section with a list of categories and their respective counts:

- Environment and Water Resources Engineering: 7
- Structural Engineering: 5
- Transportation and Urban Development Engineering: 5
- Construction Engineering: 4
- Geotechnical Engineering: 2

A "More (2)" link is located below the topics list. The main content area features three journal listings, each with a cover image, title, volume/issue information, and a date:

- Journal of Aerospace Engineering**: Volume 37 | Issue 3 | May 1, 2024. Includes an "Aim & Scope" dropdown.
- Journal of Architectural Engineering**: Volume 30 | Issue 2 | Jun 1, 2024. Includes an "Aim & Scope" dropdown.
- ASCE OPEN: Multidisciplinary Journal of Civil Engineering**: Issue 1 | Dec 31, 2023.

The bottom of the screenshot shows a Windows taskbar with various application icons, a system tray with the address bar showing "Address: \\172.16.73.25", and the system clock displaying "16:59 07-02-2024".



### Journal of Aerospace Engineering

Volume 37 | Issue 3 | May 1, 2024

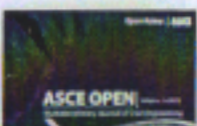
Aim & Scope



### Journal of Architectural Engineering

Volume 30 | Issue 2 | Jun 1, 2024

Aim & Scope



### ASCE OPEN: Multidisciplinary Journal of Civil Engineering

#### TOPICS

Environment and Water Resources Engineering 7

Structural Engineering 5

Transportation and Urban Development Engineering 5

Construction Engineering 4

Geotechnical Engineering 2

More (2)



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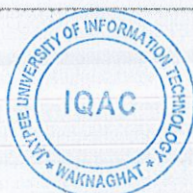
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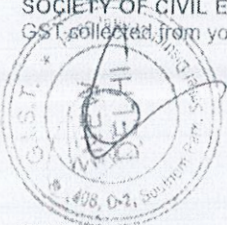
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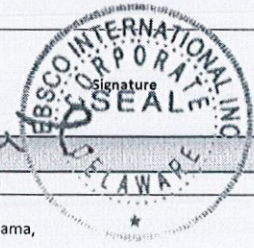
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*S. Chandra*



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The screenshot displays the article page for 'Structural transition and migration of incoherent twin boundary in diamond' in the journal Nature. The article is published on 03 January 2024. The authors listed are Ke Tong, Xiang Zhang, Zihe Li, Yanbin Wang, Kun Luo, Chenming Li, Tianye Jin, Yuying Chang, Song Zhao, Yingju Wu, Yufei Gao, Baozhong Li, Guoying Gao, Zhisheng Zhao, Lin Wang, Anmin Nie, Dongli Yu, Zhongyuan Liu, Alexander V. Soldatov, Wentao Hu, Bo Xu, and Yongjun Tian. The article has 5725 accesses and 32 Altmetric mentions. The abstract begins with 'Grain boundaries (GBs), with their diversity in both structure and structural transitions, play a key role in tailoring the properties of polycrystalline materials'. A 'Download PDF' button is available for users with full access via Jaypee University of Information Technology, Solan. The page also features a 'Get citation' button and a table of contents with sections like Abstract, Main, Coexistent multiple ITB configurations, ITB transitions, Configuration-dependent ITB migration, Driving force for ITB activities, and Methods. The system tray shows the date 07-02-2024.

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# Structural transition and migration of incoherent twin boundary in diamond

Ke Tong, Xiang Zhang, Zihe Li, Yanbin Wang, Kun Luo, Chenming Li, Tianye Jin, Yuqing Chang, Song Zhao, Yingju Wu, Yufei Gao, Baozhong Li, Guoying Gao, Zhisheng Zhao, Lin Wang, Anmin Nie, Dongli Yu, Zhongyuan Liu, Alexander V. Soldatov, Wentao Hu, Bo Xu & Yongjun Tian

Nature 626, 79–85 (2024) | Cite this article

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## Abstract

Grain boundaries (GBs), with their diversity in both structure and structural transitions, play a key role in tailoring the properties of polycrystalline materials<sup>1,2,3,4,5</sup>. As a unique GB type, incoherent twin boundaries (ITBs) are ubiquitous in nanotwinned, face-centred

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Sections	Figures	References
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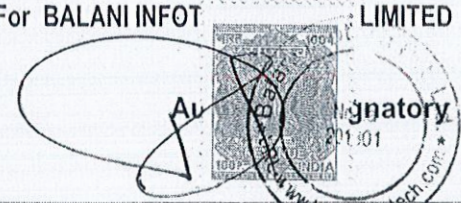
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*J. Chandra*