Your review for Engineering Research Express has been added to your Web of Science researcher profile

1 message

Web of Science researcher profiles <noreply@webofscience.com> 24 November 2024 at 12:40
Reply-To: Web of Science researcher profiles <noreply@webofscience.com>
To: jadhaorohit@gmail.com

IOP Publishing Logo

Congratulations Rohit Jadhao!

Your recent review of "Experimental Studies on Heat Transfer Performance of a Heat Exchanger with Drilled Twisted Tape Inserts" for Engineering Research Express has automatically been added to your Web of Science researcher profile as part of our partnership with IOP Publishing.

This review was added automatically because the automatic addition of reviews from partnered journals is enabled on your account. You can change this setting in your profile's review settings page. Please check our FAQ portal if you have any questions.

The review was added using your default privacy settings, although these may be subject to the official journal review policy. To see the details please of your review please view the review's edit page.

Reviewer report evaluation for ERX-105958

1 message

Engineering Research Express <onbehalfof@manuscriptcentral.com> 25 September 2024 at 14:38
Reply-To: peerreview@ioppublishing.org
To: jadhaorohit@gmail.com

Dear Mr Jadhao,

Re: "Experimental Studies on Heat Transfer Performance of a Heat Exchanger with Drilled Twisted Tape Inserts"

Manuscript reference: ERX-105958

Thank you for requesting an evaluation of your reviewer report for ERX-105958 in Engineering Research Express.

We evaluate the reviewer reports we receive on a scale of 1 to 5. We have evaluated your reviewer report as 3 out of 5, 'Good'.

Please see the criteria we use to evaluate reviewer reports for more details.

Kind regards,

Peer Review Team | IOP Publishing

Was this evaluation helpful? Take our short survey.

Letter reference: HYP:RevRate3

Your invitation to review for Engineering Research Express

1 message

Engineering Research Express <onbehalfof@manuscriptcentral.com> 10 September 2024 at 11:18
Reply-To: erx@ioppublishing.org
To: jadhaorohit@gmail.com

Dear Mr Jadhao

Re: "Experimental Studies on Heat Transfer Performance of a Heat Exchanger with Drilled Twisted Tape Inserts"

Manuscript reference: ERX-105958

We have recently received this Paper, which we are considering for publication in Engineering Research Express.

As an expert in this subject area, we would like to invite you to review the manuscript and let us know whether you think it is suitable for publication.

Benefits of reviewing for Engineering Research Express

- Science is our only stakeholder. Review for a publisher that is purpose-led rather than profit-led. 100% of the profit we do make goes towards supporting science
- Opportunity to gain IOP Trusted Reviewer status and be recognised in our annual Outstanding Reviewer Awards
- Options to co-review with a colleague and to receive feedback on your report straight from the editorial team
- Work with journal Editors based in your research community, helping to publish high-quality research
- Gain recognition via the Web of Science Reviewer Recognition Service
- Earn discounts on article publication charges

Our reviewers contribute greatly to the high standards of Engineering Research Express, and we hope that you will be interested in sharing your knowledge and time.

Deadline and next steps

If you accept our invitation to review this manuscript, we will email you with further instructions.

We would appreciate your comments and recommendation by (Document Task not available). If you need more time, please reply to this email and let us know when you can provide the report by.

Making your decision

You can read the full abstract and further information at the end of this email before making your choice.

To respond automatically, click below: *** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. *** Agreed: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=db3f8c14f82d427981c518fe3c93eed6 Co-review with a colleague: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=d584015458d349d392842e32c2f50682 Declined - Conflict of Interest: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=12c6b62ba8f7469cb4b9c0f46356d520 Declined - Out of Field: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=9625ff586921488c80930e7de74737b8 Declined - Unavailable: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=e858e13d84ab4a6bb9a031f05702dd15 Declined - No Reason: https://mc04.manuscriptcentral.com/erx-iop?URL_MASK=15ce369ddd2e4186aa5a525705093a71

Alternatively, you can let us know of your decision by replying to this email.

If you are unable to review this manuscript, we would be grateful if you could recommend someone who you think we could contact as an alternative. However, please remember that this manuscript is confidential.

We look forward to hearing from you soon.

Yours sincerely

(User not available) (User not available) (User not available)

On behalf of: Engineering Research Express Editor-in-Chief: Jingyan Dong iopscience.org/erx | erx@ioppublishing.org Impact Factor: 1.5 | Citescore: 2.2 ioppublishing.org | twitter.com/IOPPublishing

MANUSCRIPT DETAILS

MANUSCRIPT TITLE: "Experimental Studies on Heat Transfer Performance of a Heat Exchanger with Drilled Twisted Tape Inserts"

ABSTRACT: Heat exchangers are vital components in various systems where the crucial process of heat exchange takes place. This process typically occurs across the copper wall of a tube, facilitating the transfer of thermal energy between fluids. However, the efficiency of this heat exchange is fundamentally limited by the geometry of the components of heat exchanger. To enhance the performance and efficiency it is necessary to increase the rate of heat transfer. By optimizing this process, industries can achieve better energy efficiency, reduced operational costs, and improved system reliability. In the present study experimental study of heat exchanger is accomplished using the drilled twisted tapes. A simple copper tube was equipped with inserts of twist ratios 2.5, 3.33, and 5.0. Additionally, both a classic type insert and a perforated type insert with perforation diameters of 5 mm and 8 mm were fitted inside the copper tube for experimental testing, analysis, and comparison with the heat exchanger without inserts. Overall, the study confirms that both classic twisted and perforated inserts can substantially improve heat exchanger performance, with larger perforations being especially effective in optimizing heat transfer.

Letter reference: INV:AskRevtoRev:S