Reviewer Invitation for EGY-D-21-06636

1 message

Energy <em@editorialmanager.com> Wed, Sep 1, 2021 at 11:09 PM
Reply-to: Energy <support@elsevier.com>
To: C DHANASEKARAN <dhans.se@velsuniv.ac.in>

Ms. Ref. No.: EGY-D-21-06636
Title: Experimental study on catalytic pyrolysis of oily sludge for H2 production under new nickel-ore-based catalysts
Energy

Dear Mr. DHANASEKARAN,

As one of the recognized experts in the field, you are invited to review the above-mentioned manuscript that has been submitted for publication in Energy. Please accept or decline to review using the links below. To avoid delay, we kindly ask you to decide, within 10 days from the receipt of this e-mail, if you wish to review the paper. You do not need to begin the review within these 10 days; only to accept or decline the invitation. If we do not receive a response in 10 days you will automatically be uninvited from the review of this manuscript. However, in case you wish to accept the invitation and have not been able to respond to your e-mails during the 10-day period, you are very welcome to send us an e-mail and we will be pleased to re-invite you for the review.

The Editors look for papers of commendable quality, excellence and clarity, that can make a clear contribution to advancing the technical knowledge and scientific insight in our field. With this in mind please submit this paper to robust critical review. The journal and the scientific community are best served with the publication of papers that stand out and that make a difference. If a paper requires significant revision and amendment to its content and/or use of English, or fails to clearly state its objectives and/or contribution to knowledge, or to fully discuss its findings, then please do not hesitate to reject it.

In addition to accessing our subscriber content, you can also use our Open Access content. Read more about Open Access here: http://www.elsevier.com/openaccess

If you accept this invitation, your comments will be due by Sep 29, 2021. If you are unable to act as a reviewer of this manuscript, I would greatly appreciate your suggestions for alternative reviewers (name, affiliation, and email address, if possible).
You can open the manuscript easily, without any commitment to review it, by clicking on the link below. After examining the manuscript, you can decide whether to review it or not.

https://www.editorialmanager.com/egy/l.asp?i=2903961&l=5OIKWRJ8

PLEASE DO NOT USE YOUR E-MAIL "REPLY" OPTION TO RESPOND TO THIS INVITATION.

If you are willing to review this manuscript, please click on the link below: https://www.editorialmanager.com/egy/l.asp?i=2903962&l=XACRK1W5

If you are unable, please click on the link below. We would appreciate receiving suggestions for alternative reviewers:
https://www.editorialmanager.com/egy/l.asp?i=2903963&l=80YDOOK4

Alternatively, you may register your response by accessing the Editorial Manager for Energy as a REVIEWER using the login credentials below:
https://www.editorialmanager.com/egy/
Your username is: dhans.se@velsuniv.ac.in
If you need to retrieve password details, please go to:
https://www.editorialmanager.com/egy/l.asp?i=2903964&l=3DOQNKY1

1. Click on [Reviewer Login] This takes you to the Reviewer Main Menu.

2. Select [New Reviewer Invitations]

3. Agree or decline the invitation to review [Agree to Review] or [Decline to Review]

For additional reviewer information please visit Energy's Reviewer Newsletter by clicking http://dx.doi.org/10.1016/j.energy.2011.01.008

Upon submission of your review report to the system, you will get access to your personalized Elsevier reviews profile page as well as the possibility of creating a public page listing your reviews across all publishers in just a few steps! See http://www.reviewerrecognition.elsevier.com and http://www.reviewerpage.com for more information.

As a reviewer you are entitled to complimentary access to references, abstracts, and full-text articles on ScienceDirect and Scopus for 30 days. Full details on how to claim your access via Reviewer Hub (reviewerhub.elsevier.com) will be provided upon your acceptance of this invitation to review.

Please visit the Elsevier Reviewer Hub (reviewerhub.elsevier.com) to manage all your refereeing activities for this and other Elsevier journals on Editorial Manager.

Yours sincerely,

Krzysztof (K.J.) Ptasinski
Subject Editor
Energy

Reviewer Guidelines are now available to help you with your review: http://www.elsevier.com/wps/find/reviewershome.reviewers/reviewersguidelines

Oily sludge (OS) from steel mills contains a large number of heavy components and has high viscosity. In this paper, the preparation of high value-added gas from the pyrolysis of OS catalyzed by calcined olivine (C-OL), xiuyan jade (C-XY), iddingsite (C-ID) and their nickel carrier was investigated. ICP, SEM, EDX, XRF, and XRD were applied to characterize the catalysts. The effect of the catalyst on the pyrolysis of OS and the regulation mechanism of gas product quality were investigated. Thermogravimetric results showed that all the six catalysts could improve the total weight loss rate of OS, among which the addition of C-OL(Ni) increased by 11.58%. Compared with the pyrolysis of OS, the production of H2 increased by 23.64% and 6.72% after C-OL and C-XY were added at 900 °C, respectively. Ni ore-based catalysts can promote tar cracking, thereby producing more pyrolysis gas, in which the yield of H2 is significantly increased. The addition of C-XY(Ni) increased the
production of H2 by 68.44%. After nickel was loaded, the catalysts showed better catalytic activity at a high temperature. Results show that the nickel-loaded natural ore as catalyst can promote the pyrolysis of OS and can obtain pyrolysis gas with high added value.

Please also note that authors have been invited to convert their supplementary material into a Data in Brief article (a data description article). You may notice this change alongside the revised manuscript. You do not need to review this but may need to look at the files in order to confirm that any supporting information you requested is present there.

****

For further assistance, please visit our customer support site at http://help.elsevier.com/app/answers/list/p/7923 Here you can search for solutions on a range of topics, find answers to frequently asked questions and learn more about EM via interactive tutorials. You will also find our 24/7 support contact details should you need any further assistance from one of our customer support representatives.

Please note: Reviews are subject to a confidentiality policy,
http://service.elsevier.com/app/answers/detail/a_id/14156/supporthub/publishing/

#REV_EGY#

To ensure this email reaches the intended recipient, please do not delete the above code

---