

Brief about Dr. Gaurav Chasta

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Research Profile :
Ph.D. Thesis title: Development of Yttria Stabilized Zirconia Electrolyte for Thin Film Solid Oxide Fuel Cell Applications
Date of Registration : April 25, 2018
Thesis status : Awarded on March 18, 2023.
Publications : 13 (Journals: International: 13, National: Nil)
Conferences attended : 2 (International: 2, National: Nil)
Citations : 102 (**h-index: 5; i-10 index: 4**)
Google Scholar : <https://scholar.google.com/citations?user=mldceS0AAAAJ&hl=en>

Awards/Achievements:

1. CSIR NET Dec 2016, AIR 71
2. CSIR NET June 2017 AIR 59

Important Publications:

1. A review on materials, advantages, and challenges in thin film based solid oxide fuel cells, **International Journal of Energy Research** 46 (2022) 14627-14658. (Wiley Publications, Impact Factor 5.16)
2. Impact of ethyl cellulose variation on microstructural and electrochemical properties of spin coated YSZ electrolyte thin films for SOFCs: Slurry composition evolution, **Ceramics International** 49 (2023) 1298-1307. (Elsevier Publications, Impact Factor 5.53)
3. Analysis of different vacuum annealing levels for ZnSe thin films as potential buffer layer for solar cells, **Journal of Materials Science: Materials in Electronics** 33 (2022) 139-157. (Springer Publications, Impact Factor 2.77)

Others : International peer-referee for several journals

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