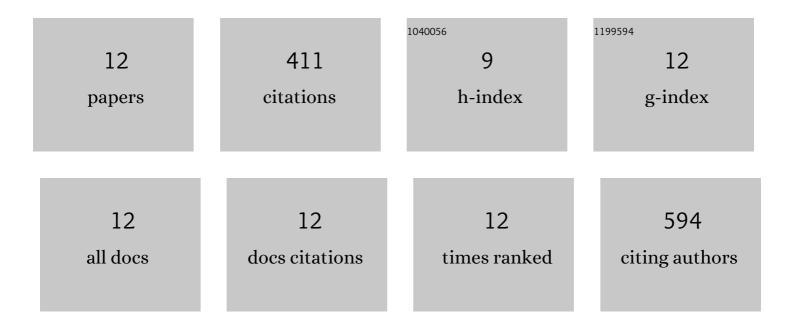
Shwetank Yadav

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Automatically Capturing Key Features for Predicting Superionic Conductivity of Solid-State Electrolytes Using a Neural Network. ACS Applied Energy Materials, 2022, 5, 8042-8048. | 5.1 | 2 |
| 2 | Interfacial Interactions and Tribological Behavior of Metal-Oxide/2D-Material Contacts. Tribology Letters, 2021, 69, 1. | 2.6 | 8 |
| 3 | Friction of magnetene, a non–van der Waals 2D material. Science Advances, 2021, 7, eabk2041. | 10.3 | 21 |
| 4 | Predicting aggregation energy for single atom bimetallic catalysts on clean and O* adsorbed surfaces through machine learning models. Catalysis Science and Technology, 2020, 10, 86-98. | 4.1 | 29 |
| 5 | Understanding the Independent and Interdependent Role of Water and Oxidation on the Tribology of Ultrathin Molybdenum Disulfide (MoS ₂). Advanced Materials Interfaces, 2019, 6, 1901246. | 3.7 | 26 |
| 6 | Molecular adsorption and surface formation reactions of HCl, H2 and chlorosilanes on Si(100)-c(4â€Ã—â€2) with applications for high purity silicon production. Applied Surface Science, 2019, 475, 124-134. | 6.1 | 14 |
| 7 | First Principles Investigation of HCl, H ₂ , and Chlorosilane Adsorption on Cu ₃ Si Surfaces with Applications for Polysilicon Production. Journal of Physical Chemistry C, 2018, 122, 20252-20260. | 3.1 | 9 |
| 8 | Solar grade silicon production: A review of kinetic, thermodynamic and fluid dynamics based continuum scale modeling. Renewable and Sustainable Energy Reviews, 2017, 78, 1288-1314. | 16.4 | 40 |
| 9 | Metadynamics-Biased ab Initio Molecular Dynamics Study of Heterogeneous CO ₂ Reduction via Surface Frustrated Lewis Pairs. ACS Catalysis, 2016, 6, 7109-7117. | 11.2 | 78 |
| 10 | A first principles study of hydrogen storage on lithium decorated two dimensional carbon allotropes. International Journal of Hydrogen Energy, 2015, 40, 6128-6136. | 7.1 | 53 |
| 11 | A van der Waals density functional theory comparison of metal decorated graphene systems for hydrogen adsorption. Journal of Applied Physics, 2014, 115, 224301. | 2.5 | 35 |
| 12 | Defect engineering of graphene for effective hydrogen storage. International Journal of Hydrogen Energy, 2014, 39, 4981-4995. | 7.1 | 96 |