

# Poulumi Dey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9421374/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Reversible Hydrogen Storage in Metal-Decorated Honeycomb Borophene Oxide. ACS Applied Materials & Interfaces, 2021, 13, 43233-43240.	8.0	40
2	The effect of hydrogen content and yield strength on the distribution of hydrogen in steel: a diffusion coupled micromechanical FEM study. Acta Materialia, 2021, 209, 116799.	7.9	29
3	The Role of $\hat{\text{I}}^{\circ}$ -Carbides as Hydrogen Traps in High-Mn Steels. Metals, 2017, 7, 264.	2.3	27
4	Tailoring nanostructured NbCoSn-based thermoelectric materials via crystallization of an amorphous precursor. Nano Energy, 2021, 80, 105518.	16.0	19
5	Asphaltene Aggregation in Aqueous Solution Using Different Water Models: A Classical Molecular Dynamics Study. ACS Omega, 2020, 5, 16530-16536.	3.5	14
6	Decisive role of interstitial defects in half-Heusler semiconductors: An <i>ab initio</i> study. Physical Review Materials, 2021, 5, .	2.4	6
7	Unveiling nonmonotonic chemical trends in the solubility of H in complex Fe-Cr-Mn carbides by means of <i>ab initio</i> based approaches. Physical Review Materials, 2022, 6, .	2.4	1