

Poulumi Dey

List of Publications by Year in descending order

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

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7
papers

136
citations

1684188
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1720034
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all docs

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docs citations

7
times ranked

128
citing authors

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