

Jun Zhang

List of Publications by Year in descending order

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10
papers

362
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Activating lattice oxygen in NiFe-based (oxy)hydroxide for water electrolysis. Nature Communications, 2022, 13, 2191.	12.8	179
2	Design high-entropy carbide ceramics from machine learning. Npj Computational Materials, 2022, 8, .	8.7	37
3	Defect accumulation and evolution in refractory multi-principal element alloys. Acta Materialia, 2021, 219, 117233.	7.9	36
4	Tailoring catalytic properties of V ₂ O ₃ to propane dehydrogenation through single-atom doping: A DFT study. Catalysis Today, 2021, 368, 46-57.	4.4	29
5	Elemental partitions and deformation mechanisms of L12-type multicomponent intermetallics. Acta Materialia, 2021, 219, 117238.	7.9	28
6	Revealing the crucial role of rough energy landscape on self-diffusion in high-entropy alloys based on machine learning and kinetic Monte Carlo. Acta Materialia, 2022, 234, 118051.	7.9	17
7	Toughening (NbTaZrW)C high-entropy carbide ceramic through Mo doping. Journal of the American Ceramic Society, 2022, 105, 5395-5407.	3.8	15
8	Effects of Oxygen Vacancy and Pt Doping on the Catalytic Performance of CeO ₂ in Propane Dehydrogenation: A First-Principles Study. Chinese Journal of Chemistry, 2021, 39, 2391-2402.	4.9	13
9	Softening Al ₁₃ Fe ₄ intermetallic compound through Fe-site multi-principal-element doping. Scripta Materialia, 2022, 218, 114811.	5.2	6
10	Effects of local chemical ordering on defect evolution in NiFe concentrated solid solution alloy. Journal of Nuclear Materials, 2022, 568, 153877.	2.7	2