

Hyunseok Oh

List of Publications by Year in descending order

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9
papers

817
citations

1307594

7
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	The Achilles' heel of iron-based catalysts during oxygen reduction in an acidic medium. <i>Energy and Environmental Science</i> , 2018, 11, 3176-3182.	30.8	332
2	Engineering atomic-level complexity in high-entropy and complex concentrated alloys. <i>Nature Communications</i> , 2019, 10, 2090.	12.8	182
3	Real-time observations of TRIP-induced ultrahigh strain hardening in a dual-phase CrMnFeCoNi high-entropy alloy. <i>Nature Communications</i> , 2020, 11, 826.	12.8	165
4	Sustainability through alloy design: Challenges and opportunities. <i>Progress in Materials Science</i> , 2021, 117, 100722.	32.8	58
5	A strategy of designing high-entropy alloys with high-temperature shape memory effect. <i>Scientific Reports</i> , 2019, 9, 13140.	3.3	38
6	Optimization of conflicting properties via engineering compositional complexity in refractory high entropy alloys. <i>Scripta Materialia</i> , 2021, 199, 113839.	5.2	17
7	Enhancing damage-resistance in low carbon martensitic steels upon dual-pass laser treatment. <i>Scripta Materialia</i> , 2021, 192, 13-18.	5.2	12
8	A criterion of ideal thermoplastic forming ability for metallic glasses. <i>Scripta Materialia</i> , 2020, 187, 221-226.	5.2	7
9	Rapid assessment of solid solution hardening via atomic size misfit parameter in refractory concentrated alloys. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161320.	5.5	6