

CÃ©line Varvenne

List of Publications by Year in descending order

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11
papers

1,642
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Solute-strengthening in elastically anisotropic fcc alloys. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 025007.	2.0	18
2	Combining experiments and modeling to explore the solid solution strengthening of high and medium entropy alloys. Acta Materialia, 2019, 177, 266-279.	7.9	95
3	Solid solution strengthening theories of high-entropy alloys. Materials Characterization, 2019, 151, 310-317.	4.4	104
4	Thermal activation parameters of plastic flow reveal deformation mechanisms in the CrMnFeCoNi high-entropy alloy. Acta Materialia, 2018, 143, 257-264.	7.9	132
5	Predicting yield strengths of noble metal high entropy alloys. Scripta Materialia, 2018, 142, 92-95.	5.2	69
6	Strengthening of high entropy alloys by dilute solute additions: CoCrFeNiAl and CoCrFeNiMnAl alloys. Scripta Materialia, 2017, 138, 92-95.	5.2	73
7	Atomistic simulations of dislocations in a model BCC multicomponent concentrated solid solution alloy. Acta Materialia, 2017, 125, 311-320.	7.9	148
8	Solute strengthening in random alloys. Acta Materialia, 2017, 124, 660-683.	7.9	291
9	Theory of strengthening in fcc high entropy alloys. Acta Materialia, 2016, 118, 164-176.	7.9	544
10	Average-atom interatomic potential for random alloys. Physical Review B, 2016, 93, .	3.2	125
11	Hydrogen and vacancy clustering in zirconium. Acta Materialia, 2016, 102, 56-69.	7.9	37