Sho Hayakawa

List of Publications by Year
in descending order

11	136	1307594 7	1281871 11
papers	citations	h-index	g-index

11	11	11	77
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature-dependent mechanisms of dislocationâ€“twin boundary interactions in Ni-based equiatomic alloys. Acta Materialia, 2021, 211, 116886.	7.9	28
2	Atomistic simulations of grain boundary energies in austenitic steel. Journal of Materials Science, 2019, 54, 5570-5583.	3.7	20
3	Screw dislocationâ€“spherical void interactions in fcc metals and their dependence on stacking fault energy. Journal of Materials Science, 2019, 54, 11509-11525.	3.7	19
4	Effects of stacking fault energies on the interaction between an edge dislocation and an 8.0-nm-diameter Frank loop of self-interstitial atoms. Nuclear Materials and Energy, 2016, 9, 581-586.	1.3	16
5	Atomistic simulations for the effects of stacking fault energy on defect formations by displacement cascades in FCC metals under Poissonâ€™s deformation. Journal of Materials Science, 2019, 54, 11096-11110.	3.7	12
6	Molecular dynamic simulations evaluating the effect of the stacking fault energy on defect formations in face-centered cubic metals subjected to high-energy particle irradiation. Computational Materials Science, 2021, 195, 110479.	3.0	10
7	Interactions between clusters of self-interstitial atoms via a conservative climb in BCCâ€“Fe. Philosophical Magazine, 2018, 98, 2311-2325.	1.6	8
8	Atomistic modeling of meso-timescale processes with SEAKMC: A perspective and recent developments. Computational Materials Science, 2021, 194, 110390.	3.0	8
9	Behavior of a self-interstitial-atom type dislocation loop in the periphery of an edge dislocation in BCC-Fe. Nuclear Materials and Energy, 2016, 9, 592-597.	1.3	7
10	Saddle point sampling using scaled normal coordinates. Computational Materials Science, 2021, 200, 110785.	3.0	4
11	Interaction between a dislocation and nanotwinâ€“hcp lamella in Ni-based concentrated alloys from atomistic simulations. Scripta Materialia, 2022, 218, 114810.	5.2	4