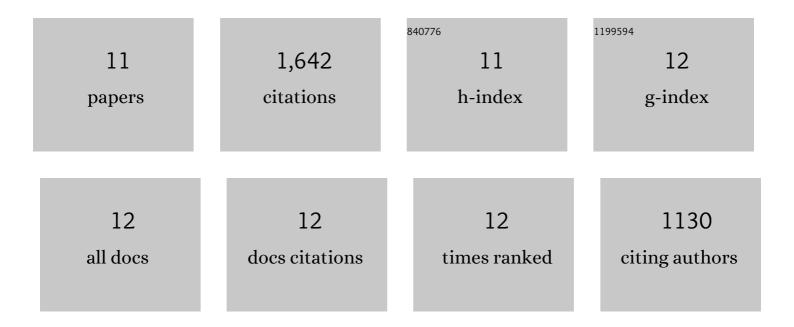
Céline Varvenne

List of Publications by Year in descending order

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CÃOLINE VADVENNE

| # | 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 |