Mats P Johansson-Jesaar

List of Publications by Citations

8 papers	95 citations
5 h-index	8 g-index
8 ext. papers	114 ext. citations
2.9 avg, IF	1.61 L-index

#	Paper	IF	Citations
8	Microstructure evolution during the isostructural decomposition of TiAlN combined in-situ small angle x-ray scattering and phase field study. *Journal of Applied Physics*, **2013**, 113, 213518	2.5	50
7	Improved metal cutting performance with bias-modulated textured Ti0.50Al0.50N multilayers. *Surface and Coatings Technology*, **2014**, 257, 102-107	4.4	15
6	High temperature phase decomposition in TixZryAlzN. *AIP Advances*, **2014**, 4, 127147	1.5	11
5	Enhanced thermal stability and mechanical properties of nitrogen deficient titanium aluminum nitride (Ti0.54Al0.46Ny) thin films by tuning the applied negative bias voltage. *Journal of Applied Physics*, **2017**, 122, 065301	2.5	10
4	Dislocation structure and microstrain evolution during spinodal decomposition of reactive magnetron sputtered heteroepixatial c-(Ti0.37,Al0.63)N/c-TiN films grown on MgO(001) and (111) substrates. *Journal of Applied Physics*, **2019**, 125, 105301	2.5	5
3	A custom built lathe designed for in operando high-energy x-ray studies at industrially relevant cutting parameters. *Review of Scientific Instruments*, **2019**, 90, 103901	1.7	2
2	Dense, single-phase, hard, and stress-free TiAlWN films grown by magnetron sputtering with dramatically reduced energy consumption.. *Scientific Reports*, **2022**, 12, 2166	4.9	2
1	Crater wear mechanism of TiAlN coatings during high-speed metal turning. *Wear*, **2021**, 484-485, 204016	3.5	0