

Mats P Johansson-Jesaar

List of Publications by Citations

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papers

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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. <i>Journal of Applied Physics</i> , 2013 , 113, 213518	2.5	50
7	Improved metal cutting performance with bias-modulated textured Ti _{0.50} Al _{0.50} N multilayers. <i>Surface and Coatings Technology</i> , 2014 , 257, 102-107	4.4	15
6	High temperature phase decomposition in Ti _x Zr _y Al _z N. <i>AIP Advances</i> , 2014 , 4, 127147	1.5	11
5	Enhanced thermal stability and mechanical properties of nitrogen deficient titanium aluminum nitride (Ti _{0.54} Al _{0.46} N _y) thin films by tuning the applied negative bias voltage. <i>Journal of Applied Physics</i> , 2017 , 122, 065301	2.5	10
4	Dislocation structure and microstrain evolution during spinodal decomposition of reactive magnetron sputtered heteroepitaxial c-(Ti _{0.37} ,Al _{0.63})N/c-TiN films grown on MgO(001) and (111) substrates. <i>Journal of Applied Physics</i> , 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. <i>Review of Scientific Instruments</i> , 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.. <i>Scientific Reports</i> , 2022 , 12, 2166	4.9	2
1	Crater wear mechanism of TiAlN coatings during high-speed metal turning. <i>Wear</i> , 2021 , 484-485, 204016	3.5	0