

# Lavina Backman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9051944/publications.pdf>

Version: 2024-02-01

5  
papers

260  
citations

1937685

4  
h-index

2053705

5  
g-index

5  
all docs

5  
docs citations

5  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of sub-micrometer thermomechanical and thermochemical failure mechanisms in titanium with a laser-based thermoreflectance technique. <i>Journal of Applied Physics</i> , 2022, 131, 055104.	2.5	1
2	Part I: Theoretical predictions of preferential oxidation in refractory high entropy materials. <i>Acta Materialia</i> , 2020, 197, 20-27.	7.9	94
3	Part II: Experimental verification of computationally predicted preferential oxidation of refractory high entropy ultra-high temperature ceramics. <i>Acta Materialia</i> , 2020, 197, 81-90.	7.9	88
4	Thermodynamic assessment of the group IV, V and VI oxides for the design of oxidation resistant multi-principal component materials. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1796-1802.	5.7	63
5	Hafnium nitride films for thermoreflectance transducers at high temperatures: Potential based on heating from laser absorption. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	14