

# Nadine Laska

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Aluminum diffusion inhibiting properties of Ti <sub>5</sub> Si <sub>3</sub> at 900°C and its beneficial properties on Al-rich oxidation protective coatings on $\hat{\text{T}}^3\text{-TiAl}$ . Corrosion Science, 2022, 201, 110265.	3.0	12
2	Effect of Si Content on Deposition and High-Temperature Oxidation of Al-Si Coatings Obtained by Magnetron Sputtering PVD Method. Coatings, 2022, 12, 859.	1.2	2
3	Increasing the oxidation resistance of $\hat{\text{T}}^3\text{-TiAl}$ by applying a magnetron sputtered aluminum and silicon based coating. Intermetallics, 2021, 133, 107177.	1.8	17
4	Graded PVD Mo-Si interlayer between Si coating and Mo-Si-B alloys: Investigation of oxidation behaviour. Corrosion Science, 2021, 192, 109843.	3.0	8
5	Microstructure and cyclic oxidation resistance of Si-aluminide coatings on $\hat{\text{T}}^3\text{-TiAl}$ at 850°C. Surface and Coatings Technology, 2020, 403, 126361.	2.2	22
6	Effect of pre-oxidation on cyclic oxidation resistance of $\hat{\text{T}}^3\text{-TiAl}$ at 900°C. Corrosion Science, 2020, 177, 108985.	3.0	16
7	Magnetron Sputtered Silicon Coatings as Oxidation Protection for Mo-Based Alloys. Advanced Engineering Materials, 2020, 22, 2000218.	1.6	8
8	Oxidation behaviour of an intermetallic Ti-Al-Cr-Zr bond coat on a $\hat{\text{T}}^3\text{-TiAl}$ based TNB alloy with 7YSZ thermal barrier coating. Materials at High Temperatures, 2018, 35, 187-194.	0.5	3
9	Oxidation behavior of protective Ti-Al-Cr based coatings applied on the $\hat{\text{T}}^3\text{-TiAl}$ alloys Ti-48-2-2 and TNM-B1. Surface and Coatings Technology, 2018, 349, 347-356.	2.2	40
10	Effect of intermetallic coatings on the tensile properties of a $\hat{\text{T}}^3\text{-TiAl}$ based TNM alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 699, 118-127.	2.6	20
11	Lifetime of 7YSZ thermal barrier coatings deposited on fluorine-treated $\hat{\text{T}}^3\text{-TiAl}$ -based TNM-B1 alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 1185-1194.	0.8	15
12	Oxidation behaviour of a fluorinated beta-stabilized $\hat{\text{T}}^3\text{-TiAl}$ alloy with thermal barrier coatings in H <sub>2</sub> O- and SO <sub>2</sub> -containing atmospheres. Corrosion Science, 2015, 92, 280-286.	3.0	21
13	Effect of hydrogen carbonate and chloride on zinc corrosion investigated by a scanning flow cell system. Electrochimica Acta, 2015, 159, 198-209.	2.6	26
14	Oxidation and fatigue behaviour of gamma titanium aluminides coated with yttrium or zirconium containing intermetallic Ti-Al-Cr layers and thermal barrier coating. Materials at High Temperatures, 2015, 32, 221-229.	0.5	11
15	Lifetime of Thermal Barrier Coatings Deposited on $\hat{\text{T}}^3\text{-TiAl}$ Based Alloys Using Intermetallic Ti-Al-Cr Bond Coats with Additions of Yttrium and Zirconium. Oxidation of Metals, 2014, 81, 83-93.	1.0	22
16	Cyclic oxidation behaviour of the titanium alloys Ti-6242 and Ti-17 with Ti-Al-Cr-Y coatings at 600 and 700°C in air. Surface and Coatings Technology, 2013, 223, 24-31.	2.2	54
17	Sputtering and Characterization of MAX-Phase Forming Cr-Al-C and Ti-Al-C Coatings and Their Application on $\hat{\text{T}}^3\text{-TiAl}$ -Based Titanium Aluminides. Advanced Engineering Materials, 0, , 2100722.	1.6	2