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Effects of Platinum on the Interdiffusion and Oxidation Behavior of Ni-Al-Based Alloys

DOI: 10.4028/www.scientific.net/msf.461-464.213
Materials Science Forum, 2004, 461-464, 213-222.

Source: <https://exaly.com/paper-pdf/37400037/citation-report.pdf>

Version: 2024-04-25

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#	Paper	IF	Citations
195	The role of chemical composition on the oxidation performance of aluminide coatings. <i>Surface and Coatings Technology</i> , 2004 , 188-189, 71-78	4.4	98
194	A platinum-enriched β -two-phase bond coat on Ni-based superalloys. <i>Surface and Coatings Technology</i> , 2005 , 200, 1259-1263	4.4	54
193	A combined first-principles and experimental study of the lattice site preference of Pt in B2 NiAl. <i>Acta Materialia</i> , 2005 , 53, 2101-2109	8.4	62
192	β -NiPt(Al) and phase equilibria in the NiAl-Pt system at 1150 °C. <i>Acta Materialia</i> , 2005 , 53, 3319-3328	8.4	87
191	Feasibility assessment of self-grading metallic bond coat alloys for EBCs/TBCs to protect Si-Based ceramics. 2005 , 52, 393-397		5
190	Coating and near-surface modification design strategies for protective and functional surfaces. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2005 , 56, 748-755	1.6	12
189	Interdiffusion behavior of Pt-modified β -Ni + β -Ni3Al alloys coupled to Ni-Al-based alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005 , 36, 1769-1775 ^{2,3}		65
188	Effect of Platinum on the Growth Rate of the Oxide Scale Formed on Cast Nickel Aluminide Intermetallic Alloys. <i>Oxidation of Metals</i> , 2005 , 64, 185-205	1.6	56
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185	Role of Iridium in Hot Corrosion Resistance of Pt-Ir Modified Aluminide Coatings with Na ₂ SO ₄ -NaCl Salt at 1173 K. <i>Materials Transactions</i> , 2006 , 47, 1918-1921	1.3	13
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181	Vapor deposition of platinum alloyed nickel aluminide coatings. <i>Surface and Coatings Technology</i> , 2006 , 201, 2326-2334	4.4	13
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178	Effect of Pt and Al content on the long-term, high temperature oxidation behavior and interdiffusion of a Pt-modified aluminide coating deposited on Ni-base superalloys. <i>Surface and Coatings Technology</i> , 2006 , 201, 3846-3851	4.4	47
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33	Effects of Pt and Si on the low temperature hot corrosion of aluminide coatings exposed to Na_2SO_4 -60 mol% V_2O_5 salt. <i>Surface and Coatings Technology</i> , 2019 , 362, 252-261	4.4	7
32	Effect of pre-oxidation treatments on the structural, microstructural, and chemical properties of $\text{Ni}(\text{Pt})\text{Al}$ system. <i>Surface and Coatings Technology</i> , 2019 , 367, 156-164	4.4	2
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30	High-temperature cyclic oxidation of Pt-rich Al -bond-coatings. Part II: Effect of Pt and Al on TBC system lifetime. <i>Corrosion Science</i> , 2019 , 150, 1-8	6.8	10
29	The iron effect on oxidation and interdiffusion behaviour in MCrAlX coated Ni-base superalloys. <i>Materials and Design</i> , 2019 , 166, 107599	8.1	3
28	Modification of NiCoCrAlY with Pt: Part I. Effect of Pt depositing location and cyclic oxidation performance. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 341-349	9.1	9
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26	Microstructural analysis after furnace cyclic testing of pre-oxidized ReneN5/ $\text{Ni}(\text{Pt})\text{Al}/\text{Y}_2\text{Si}_2\text{O}_7$ thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2020 , 403, 126376	4.4	4
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