Bruce A. Pint

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#	Paper	IF	Citations
336	Experimental observations in support of the dynamic-segregation theory to explain the reactive-element effect. <i>Oxidation of Metals</i> , 1996 , 45, 1-37	1.6	664
335	Substrate and bond coat compositions: factors affecting alumina scale adhesion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 245, 201-211	5.3	297
334	High temperature oxidation of fuel cladding candidate materials in steamBydrogen environments. Journal of Nuclear Materials, 2013 , 440, 420-427	3.3	269
333	Creep-resistant, Al2O3-forming austenitic stainless steels. <i>Science</i> , 2007 , 316, 433-6	33.3	260
332	Development and property evaluation of nuclear grade wrought FeCrAl fuel cladding for light water reactors. <i>Journal of Nuclear Materials</i> , 2015 , 467, 703-716	3.3	227
331	18O/SIMS characterization of the growth mechanism of doped and undoped ⊕Al2O3. <i>Oxidation of Metals</i> , 1993 , 39, 167-195	1.6	200
330	Chromium Volatilization Rates from Cr2O3 Scales into Flowing Gases Containing Water Vapor. <i>Oxidation of Metals</i> , 2006 , 66, 137-153	1.6	183
329	Optimization of Reactive-Element Additions to Improve Oxidation Performance of Alumina-Forming Alloys. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 686-95	3.8	182
328	The oxidation mechanism of FAl2O3 scales. <i>Solid State Ionics</i> , 1995 , 78, 99-107	3.3	168
327	Influence of Sulfur, Platinum, and Hafnium on the Oxidation Behavior of CVD NiAl Bond Coatings. <i>Oxidation of Metals</i> , 2002 , 58, 513-544	1.6	158
326	Silicon Carbide Oxidation in Steam up to 2IMPa. Journal of the American Ceramic Society, 2014 , 97, 2331	-33352	151
325	The effect of various oxide dispersions on the phase composition and morphology of Al2O3 scales grown on ENiAl. <i>Oxidation of Metals</i> , 1997 , 47, 1-20	1.6	136
324	On the formation of interfacial and internal voids in Al2O3 scales. Oxidation of Metals, 1997, 48, 303-32	8 1.6	134
323	The reactive element effect in commercial ODS FeCrAI alloys. <i>Materials at High Temperatures</i> , 1995 , 13, 3-16	1.1	127
322	Oxidation of fuel cladding candidate materials in steam environments at high temperature and pressure. <i>Journal of Nuclear Materials</i> , 2012 , 427, 396-400	3.3	125
321	Martensitic transformation in CVD NiAl and (Ni,Pt)Al bond coatings. <i>Surface and Coatings Technology</i> , 2003 , 163-164, 19-24	4.4	120
320	Effect of Cr and Ni Contents on the Oxidation Behavior of Ferritic and Austenitic Model Alloys in Air with Water Vapor. <i>Oxidation of Metals</i> , 2004 , 61, 463-483	1.6	119

319	Current Thoughts on Reactive Element Effects in Alumina-Forming Systems: In Memory of John Stringer. <i>Oxidation of Metals</i> , 2016 , 86, 1-43	1.6	119
318	Effects of Pt incorporation on the isothermal oxidation behavior of chemical vapor deposition aluminide coatings. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001 , 32, 1727-1741	2.3	111
317	Effect of composition on the oxidation and hot corrosion resistance of NiAl doped with precious metals. <i>Surface and Coatings Technology</i> , 2000 , 133-134, 15-22	4.4	104
316	Effects of minor alloy additions and oxidation temperature on protective alumina scale formation in creep-resistant austenitic stainless steels. <i>Scripta Materialia</i> , 2007 , 57, 1117-1120	5.6	102
315	Alumina-Forming Austenitic Stainless Steels Strengthened by Laves Phase and MC Carbide Precipitates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 2737-2746	2.3	101
314	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
313	The development of alumina-forming austenitic stainless steels for high-temperature structural use. <i>Jom</i> , 2008 , 60, 12-18	2.1	97
312	Uniform corrosion of FeCrAl alloys in LWR coolant environments. <i>Journal of Nuclear Materials</i> , 2016 , 479, 36-47	3.3	97
311	Overview of Strategies for High-Temperature Creep and Oxidation Resistance of Alumina-Forming Austenitic Stainless Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 922-931	2.3	96
310	Oxidation resistance: One barrier to moving beyond Ni-base superalloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 415, 255-263	5.3	96
309	Effect of Quaternary Additions on the Oxidation Behavior of Hf-Doped NiAl. <i>Oxidation of Metals</i> , 2003 , 59, 257-283	1.6	93
308	Protection of zirconium by alumina- and chromia-forming iron alloys under high-temperature steam exposure. <i>Journal of Nuclear Materials</i> , 2013 , 438, 64-71	3.3	88
307	Grain Boundary Segregation of Cation Dopants in ⊞ Al2 O 3 Scales. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 1819-1829	3.9	87
306	The Oxidation Behavior of Oxide-Dispersed ENiAl: I. Short-Term Performance at 1200°C. <i>Oxidation of Metals</i> , 1998 , 49, 531-559	1.6	84
305	Recent progress in the development of electrically insulating coatings for a liquid lithium blanket. Journal of Nuclear Materials, 2004 , 329-333, 119-124	3.3	83
304	Comparison of thermal expansion and oxidation behavior of various high-temperature coating materials and superalloys. <i>Materials at High Temperatures</i> , 2004 , 21, 87-94	1.1	82
303	Review of advances in development of vanadium alloys and MHD insulator coatings. <i>Journal of Nuclear Materials</i> , 2007 , 367-370, 780-787	3.3	80
302	Segregation of Y to Grain Boundaries in the Al2 O 3 Scale Formed on an ODS Alloy. <i>Journal of the Electrochemical Society</i> , 1987 , 134, 3207-3208	3.9	79

301	Comparison of the cyclic oxidation behavior of ENiAl, ENiPtAl and Il NiPtAl coatings on various superalloys. <i>Surface and Coatings Technology</i> , 2007 , 202, 730-734	4.4	74
300	Effect of Hf and Y alloy additions on aluminide coating performance. <i>Surface and Coatings Technology</i> , 2010 , 204, 3287-3293	4.4	73
299	Effects of sulfur impurity on the scale adhesion behavior of a desulfurized Ni-based superalloy aluminized by chemical vapor deposition. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 833-841	2.3	72
298	Possible Role of the Oxygen Potential Gradient in Enhancing Diffusion of Foreign Ions on 🖽 l2O3 Grain Boundaries. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 305-314	3.8	69
297	Recent research and development for the dual-coolant blanket concept in the US. <i>Fusion Engineering and Design</i> , 2008 , 83, 920-927	1.7	66
296	Limitations on the Use of Ion Implantation for the Study of the Reactive Element Effect in A NiAl. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 2443-2453	3.9	66
295	Effect of steam on high temperature oxidation behaviour of alumina-forming alloys. <i>Materials at High Temperatures</i> , 2015 , 32, 28-35	1.1	63
294	Critical questions in materials science and engineering for successful development of fusion power. Journal of Nuclear Materials, 2007 , 367-370, 1-10	3.3	62
293	Effect of Cycle Frequency on High-Temperature Oxidation Behavior of Alumina-Forming Alloys. <i>Oxidation of Metals</i> , 2002 , 58, 73-101	1.6	62
292	High-temperature diffusion barriers for protective coatings. <i>Surface and Coatings Technology</i> , 2004 , 188-189, 153-157	4.4	59
291	Influence of electron beam physical vapor deposited thermal barrier coating microstructure on thermal barrier coating system performance under cyclic oxidation conditions. <i>Surface and Coatings Technology</i> , 1999 , 120-121, 68-76	4.4	58
2 90	Development of low-Cr ODS FeCrAl alloys for accident-tolerant fuel cladding. <i>Journal of Nuclear Materials</i> , 2018 , 501, 59-71	3.3	57
289	Effect of cycle length on the oxidation performance of iron aluminide coatings. <i>Surface and Coatings Technology</i> , 2004 , 188-189, 35-40	4.4	57
288	The use of two reactive elements to optimize oxidation performance of alumina-forming alloys. <i>Materials at High Temperatures</i> , 2003 , 20, 375-386	1.1	56
287	The Effect of an Oxide Dispersion on the Critical Al Content in Fe-Al Alloys. <i>Oxidation of Metals</i> , 1999 , 51, 181-197	1.6	55
286	A platinum-enriched HI two-phase bond coat on Ni-based superalloys. <i>Surface and Coatings Technology</i> , 2005 , 200, 1259-1263	4.4	54
285	Characterization of alumina interfaces in TBC systems. <i>Journal of Materials Science</i> , 2009 , 44, 1676-1686	54.3	53
284	Characterization of commercial EB-PVD TBC systems with CVD (Ni,Pt)Al bond coatings. <i>Surface and Coatings Technology</i> , 2001 , 146-147, 140-146	4.4	52

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283	Oxidation of refractory metals in air and low pressure oxygen gas. <i>International Journal of Refractory Metals and Hard Materials</i> , 2000 , 18, 237-243	4.1	51	
282	High-Temperature Oxidation Behavior of ODSHe3Al. Oxidation of Metals, 2001, 55, 333-357	1.6	48	
281	The effect of water vapor on the oxidation behavior of NiPtAl coatings and alloys. <i>Surface and Coatings Technology</i> , 2006 , 201, 3852-3856	4.4	47	
280	Development of ODS FeCrAl for Compatibility in Fusion and Fission Energy Applications. <i>Jom</i> , 2014 , 66, 2458-2466	2.1	46	
279	The formation of <code>BAl2O3</code> scales at 1500°C. Oxidation of Metals, 1994 , 41, 203-233	1.6	45	
278	Effect of Al and Cr Content on Air and Steam Oxidation of FeCrAl Alloys and Commercial APMT Alloy. <i>Oxidation of Metals</i> , 2017 , 87, 431-441	1.6	44	
277	Characterization of the alumina scale formed on a commercial MCrAlYHfSi coating. <i>Surface and Coatings Technology</i> , 2010 , 205, 1178-1182	4.4	44	
276	Optimizing Scale Adhesion on Single Crystal Superalloys. <i>Materials Science Forum</i> , 2001 , 369-372, 459-4	66 .4	44	
275	Cladding burst behavior of Fe-based alloys under LOCA. <i>Journal of Nuclear Materials</i> , 2016 , 470, 128-13.	83.3	43	
274	Investigation of PbIIi compatibility issues for the dual coolant blanket concept. <i>Journal of Nuclear Materials</i> , 2007 , 367-370, 1150-1154	3.3	43	
273	The Use of Model Alloys to Develop Corrosion-Resistant Stainless Steels. <i>Materials Science Forum</i> , 2004 , 461-464, 815-822	0.4	43	
272	Formation of aluminide coatings on Fe-based alloys by chemical vapor deposition. <i>Surface and Coatings Technology</i> , 2008 , 202, 3839-3849	4.4	42	
271	Liquid metal compatibility issues for test blanket modules. Fusion Engineering and Design, 2006, 81, 901	-9.0/8	42	
270	The Oxidation Behavior of Y2O3-Dispersed ENiAl. <i>Oxidation of Metals</i> , 2004 , 61, 273-292	1.6	42	
269	Effect of superalloy substrate and bond coating on TBC lifetime. <i>Surface and Coatings Technology</i> , 2010 , 205, 1236-1240	4.4	40	
268	Effect of pressure on supercritical CO2 compatibility of structural alloys at 750 LC. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017 , 68, 151-158	1.6	39	
267	Effect of water vapor on the 1100°C oxidation behavior of plasma-sprayed TBCs with HVOF NiCoCrAlX bond coatings. <i>Surface and Coatings Technology</i> , 2013 , 215, 39-45	4.4	39	
266	The effect of Pt content on MiPtAl coatings. Surface and Coatings Technology, 2008, 203, 413-416	4.4	38	

265	A microstructural study of the oxide scale formation on ODS Fell3Cr steel. <i>Journal of Nuclear Materials</i> , 2000 , 283-287, 1306-1310	3.3	38
264	Evaluation of iron-aluminide CVD coatings for high temperature corrosion protection. <i>Materials at High Temperatures</i> , 2001 , 18, 185-192	1.1	37
263	High-Temperature Corrosion in Fossil Fuel Power Generation: Present and Future. <i>Jom</i> , 2013 , 65, 1024-	1 <u>0.3</u> 2	36
262	Hot Corrosion of an EB-PVD Thermal-Barrier Coating System at 950°C. Oxidation of Metals, 2000 , 54, 401-424	1.6	36
261	Oxidation behavior of co-doped NiCrAl alloys in dry and wet air. <i>Surface and Coatings Technology</i> , 2013 , 237, 8-15	4.4	35
260	Formation and oxidation performance of low-temperature pack aluminide coatings on ferritic hartensitic steels. <i>Surface and Coatings Technology</i> , 2009 , 204, 766-770	4.4	35
259	Progress in the development of insulator coating for liquid lithium blankets. <i>Fusion Engineering and Design</i> , 2010 , 85, 1301-1306	1.7	35
258	Analytical Electron-Microscopy Study of the Breakdown of 🖽 l2O3 Scales Formed on Oxide Dispersion-Strengthened Alloys. <i>Oxidation of Metals</i> , 2001 , 56, 119-145	1.6	35
257	Performance of Al-rich oxidation resistant coatings for Fe-base alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 62, 549-560	1.6	34
256	Oxidation behaviour of cast Ni©r alloys in steam at 800°C. <i>Materials Science and Technology</i> , 2013 , 29, 822-827	1.5	33
255	The Oxidation behavior of ODS iron aluminides. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 1996 , 47, 663-674	1.6	33
254	Advanced TEM characterization of oxide nanoparticles in ODS Fe®2Cr®Al alloys. <i>Journal of Materials Science</i> , 2016 , 51, 9190-9206	4.3	33
253	Initial Assessment of Ni-Base Alloy Performance in 0.1 MPa and Supercritical CO2. <i>Jom</i> , 2015 , 67, 2615-2	2 <u>62</u> 0	32
252	Long-term high temperature oxidation behavior of ODS ferritics. <i>Journal of Nuclear Materials</i> , 2002 , 307-311, 763-768	3.3	32
251	Material Selection for Accident Tolerant Fuel Cladding. <i>Metallurgical and Materials Transactions E</i> , 2015 , 2, 190-196		31
250	Effect of nitrogen on the formation and oxidation behavior of iron aluminide coatings. <i>Surface and Coatings Technology</i> , 2005 , 200, 1231-1235	4.4	30
249	Optimizing the Imperfect Oxidation Performance of Iron Aluminides. <i>Materials Science Forum</i> , 2001 , 369-372, 411-418	0.4	30
248	Growth stress Imicrostructure relationships for alumina scales. <i>Materials at High Temperatures</i> , 2003 , 20, 303-309	1.1	30

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247	Stainless Steels With Improved Oxidation Resistance for Recuperators. <i>Journal of Engineering for Gas Turbines and Power</i> , 2006 , 128, 370-376	1.7	29
246	The effect of carbon and reactive element dopants on oxidation lifetime of FeAl. <i>Scripta Materialia</i> , 2005 , 52, 1199-1204	5.6	29
245	Effect of environment on the scale formed on oxide dispersion strengthened FeCrAl at 1050°C and 1100°C. <i>Materials at High Temperatures</i> , 2012 , 29, 171-180	1.1	28
244	The Oxidation Behavior of Fe-Al Alloys. <i>Materials Science Forum</i> , 2004 , 461-464, 799-806	0.4	28
243	Performance of chromia- and alumina-forming Fe- and Ni-base alloys exposed to metal dusting environments: The effect of water vapor and temperature. <i>Corrosion Science</i> , 2015 , 92, 58-68	6.8	27
242	Effect of increased water vapor levels on TBC lifetime with Pt-containing bond coatings. <i>Surface and Coatings Technology</i> , 2011 , 206, 1566-1570	4.4	27
241	Comparison of the oxidation behavior of hand M NiPtAl coatings. <i>Surface and Coatings Technology</i> , 2009 , 204, 816-819	4.4	27
240	Synthesis and oxidation performance of Al-enriched & 🛭 coatings on Ni-based superalloys via secondary aluminizing. <i>Surface and Coatings Technology</i> , 2007 , 202, 632-636	4.4	27
239	Interdiffusion behavior of Pt-diffused [2 Coatings on Ni-based superalloys. <i>Surface and Coatings Technology</i> , 2008 , 203, 417-421	4.4	27
238	Comparison of Oxidation Behavior and Electrical Properties of Doped NiO- and Cr2O3-Forming Alloys for Solid-Oxide, Fuel-Cell Metallic Interconnects. <i>Oxidation of Metals</i> , 2006 , 65, 237-261	1.6	27
237	Limitations on the Use of Surface Doping for Improving High-Temperature Oxidation Resistance. <i>MRS Bulletin</i> , 1994 , 19, 26-30	3.2	27
236	Effect of water vapor on thermally grown alumina scales on bond coatings. <i>Surface and Coatings Technology</i> , 2013 , 215, 30-38	4.4	26
235	Interdiffusional degradation of oxidation-resistant aluminide coatings on Fe-base alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007 , 58, 751-761	1.6	26
234	Long-term performance of aluminide coatings on Fe-base alloys. <i>Surface and Coatings Technology</i> , 2007 , 202, 637-642	4.4	26
233	Transformation of Al2O3 to LiAlO2 in Pbf17Li at 800°C. Journal of Nuclear Materials, 2008, 376, 108-113	3.3	26
232	The Effect of Water Vapor on the Oxidation Behavior of CVD Iron-Aluminide Coatings. <i>Oxidation of Metals</i> , 2004 , 62, 103-120	1.6	26
231	Temperature limits on the compatibility of insulating ceramics in lithium. <i>Journal of Nuclear Materials</i> , 2002 , 307-311, 1344-1350	3.3	26
230	Advanced alloys for compact, high-efficiency, high-temperature heat-exchangers. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 3622-3630	6.7	25

229	Characterization of the breakaway al content in alumina-forming alloys. <i>Materials at High Temperatures</i> , 2004 , 21, 175-185	1.1	25
228	Effects of oxygen and hydrogen at low pressure on the mechanical properties of Varali alloys. Journal of Nuclear Materials, 2000 , 283-287, 841-845	3.3	25
227	Evaluation of thermal barrier coating systems on novel substrates. <i>Journal of Thermal Spray Technology</i> , 2000 , 9, 198-203	2.5	25
226	Characterization of thermally cycled alumina scales. <i>Materials at High Temperatures</i> , 2000 , 17, 165-171	1.1	25
225	Characterization of the alumina scale formed on coated and uncoated doped superalloys. <i>Surface and Coatings Technology</i> , 2011 , 206, 1522-1528	4.4	24
224	Microstructure and environmental resistance of low Cr ODS FeCrAl. <i>Materials at High Temperatures</i> , 2015 , 32, 123-132	1.1	22
223	Effect of H2O and CO2 on the Oxidation Behavior and Durability at High Temperature of ODS-FeCrAl. <i>Oxidation of Metals</i> , 2013 , 79, 627-638	1.6	22
222	Deformation and phase transformations during the cyclic oxidation of NiAl and NiPtAl. <i>Jom</i> , 2006 , 58, 47-52	2.1	22
221	Creep and corrosion testing of aluminide coatings on ferritichartensitic substrates. <i>Surface and Coatings Technology</i> , 2006 , 201, 3880-3884	4.4	22
220	Corrosion behaviour of AlN for self-cooled Li/V blanket application. <i>Fusion Engineering and Design</i> , 2003 , 69, 397-401	1.7	22
219	Predicting Oxidation-Limited Lifetime of Thin-Walled Components of NiCrW Alloy 230. <i>Oxidation of Metals</i> , 2017 , 87, 11-38	1.6	21
218	Effects of prior surface damage on high-temperature oxidation of Fe-, Ni-, and Co-based alloys. <i>Wear</i> , 2009 , 267, 380-386	3.5	21
217	Initial characterization of VICrITi and MHD coatings exposed to flowing Li. <i>Journal of Nuclear Materials</i> , 2009 , 386-388, 712-715	3.3	20
216	Study of the Reactive Element Effect in ODS Iron-Base Alumina Formers. <i>Materials Science Forum</i> , 1997 , 251-254, 397-404	0.4	20
215	On the Loss of Protective Scale Formation in Creep-Resistant, Alumina-Forming Austenitic Stainless Steels at 900°C in Air. <i>Materials Science Forum</i> , 2008 , 595-598, 725-732	0.4	20
214	Evaluation of iron-aluminide CVD coatings for high temperature corrosion protection		20
213	Critical Exploration of Liquid Metal Plasma-Facing Components in a Fusion Nuclear Science Facility. <i>Fusion Science and Technology</i> , 2019 , 75, 886-917	1.1	19
212	APS TBC performance on directionally-solidified superalloy substrates with HVOF NiCoCrAlYHfSi bond coatings. <i>Surface and Coatings Technology</i> , 2015 , 284, 9-13	4.4	19

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211	Creep behavior of pack cementation aluminide coatings on Grade 91 ferritichartensitic alloy. Surface and Coatings Technology, 2014 , 240, 32-39	1.4	19
2 10	Impact of superalloy composition, bond coat roughness and water vapor on TBC lifetime with HVOF NiCoCrAlYHfSi bond coatings. <i>Surface and Coatings Technology</i> , 2013 , 237, 65-70	1.4	19
209	Mechanistic-Based Lifetime Predictions for High-Temperature Alloys and Coatings. <i>Jom</i> , 2012 , 64, 1454- <u>1</u>	<u>14</u> 60	19
208	Synthesis and oxidation behavior of platinum-enriched HII bond coatings on Ni-based superalloys. Surface and Coatings Technology, 2006 , 201, 3857-3861	1.4	19
207	Effect of environment on the oxidation of ingot-processed iron aluminides. <i>Intermetallics</i> , 2001 , 9, 735-73	3. 9	19
206	Effect of oxy-firing on corrosion rates at 600B50 LC. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014 , 65, 132-140	1.6	18
205	Material compatibility with isothermal Pb[li. <i>Materials at High Temperatures</i> , 2012 , 29, 129-135	1.1	18
204	Ionic segregation on grain boundaries in thermally grown alumina scales. <i>Materials at High Temperatures</i> , 2012 , 29, 257-263	1.1	18
203	Compatibility of multi-layer, electrically insulating coatings for vanadium[]thium blankets. <i>Journal of Nuclear Materials</i> , 2007 , 367-370, 1165-1169	3.3	18
202	The Role of Oxygen Uptake and Scale Formation on the Embrittlement of Vanadium Alloys. Oxidation of Metals, 2005 , 63, 33-55	1.6	18
201	Long-term stability of ceramics in liquid lithium. <i>Journal of Nuclear Materials</i> , 2001 , 289, 52-56	3.3	18
200	Solid-liquid phase equilibria of Fe-Cr-Al alloys and spinels. <i>Journal of Nuclear Materials</i> , 2017 , 492, 128-13	3 33	17
199	Effect of pressure and impurities on oxidation in supercritical CO2. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019 , 70, 1400-1409	ı.6	17
198	Characterization of chromia scales formed in supercritical carbon dioxide. <i>Materials at High Temperatures</i> , 2018 , 35, 39-49	1.1	17
197	The effect of coatings on the compatibility of Fell r steels with Pblli. <i>Journal of Nuclear Materials</i> , 2011 , 417, 1195-1199	3.3	17
196	High-temperature oxidation-resistant alloys: Recent developments in science and applications. <i>Jom</i> , 2009 , 61, 42-43	2.1	17
195	Influence of Aluminum Depletion Effects on the Calculation of the Oxidation Lifetimes of FeCrAl Alloys. <i>Materials Science Forum</i> , 2004 , 461-464, 579-590	0.4	17
194	Effects of Platinum Additions on the Adherence of Alumina Scales to CVD Aluminide Bond Coatings. <i>Materials Science Forum</i> , 2001 , 369-372, 679-686	0.4	17

193	Performance of FeCrAl for accident-tolerant fuel cladding in high-temperature steam. <i>Corrosion Reviews</i> , 2017 , 35, 167-175	3.2	17
192	Role of bond coat processing methods on the durability of plasma sprayed thermal barrier systems. <i>Surface and Coatings Technology</i> , 2019 , 375, 782-792	4.4	16
191	Recent Progress Addressing Compatibility Issues Relevant to Fusion Environments. <i>Fusion Science and Technology</i> , 2005 , 47, 851-855	1.1	16
190	Bond coating issues in thermal barrier coatings for industrial gas turbines. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy,</i> 2005 , 219, 101-107	1.6	16
189	Comparison of thermal expansion and oxidation behavior of various high-temperature coating materials and superalloys		16
188	Fabrication of Oxide Dispersion Strengthened Bond Coats with Low Al2O3 Content. <i>Journal of Thermal Spray Technology</i> , 2017 , 26, 868-879	2.5	15
187	Steam Oxidation Evaluation of FeIIr Alloys for Accident Tolerant Nuclear Fuel Cladding. <i>Oxidation of Metals</i> , 2017 , 87, 515-526	1.6	15
186	Effect of water vapor on thermally-grown alumina scales on Pt-modified and simple aluminide bond coatings. <i>Surface and Coatings Technology</i> , 2013 , 237, 2-7	4.4	15
185	High Temperature Corrosion of Alumina-forming Iron, Nickel and Cobalt-base Alloys 2010 , 606-645		15
184	Oxidation Behavior of ODS Fe T r Alloys. <i>Oxidation of Metals</i> , 2005 , 63, 193-213	1.6	15
183	Effect of Experimental Procedures on the Cyclic, Hot-Corrosion Behavior of NiCoCrAlY-Type Bondcoat Alloys. <i>Oxidation of Metals</i> , 2000 , 54, 255-276	1.6	15
182	Oxidation behavior of platinum luminum alloys and the effect of Zr doping. <i>Journal of Materials Research</i> , 1999 , 14, 4531-4540	2.5	15
181	STEM and APT characterization of scale formation on a La,Hf,Ti-doped NiCrAl model alloy. <i>Micron</i> , 2018 , 109, 41-52	2.3	14
180	The effect of cycle frequency, H2O and CO2 on TBC lifetime with NiCoCrAlYHfSi bond coatings. <i>Surface and Coatings Technology</i> , 2014 , 260, 107-112	4.4	14
179	Cyclic oxidation behavior of HVOF bond coatings deposited on La- and Y-doped superalloys. <i>Surface and Coatings Technology</i> , 2011 , 206, 1600-1604	4.4	14
178	The Effect of Water Vapor on Cr Depletion in Advanced Recuperator Alloys 2005 , 927		14
177	Long-term oxidation performance of ingot-produced Fe3Al alloys. <i>Materials at High Temperatures</i> , 1999 , 16, 1-13	1.1	14
176	Alloying and coating strategies for improved Pblii compatibility in DEMO-type fusion reactors. Journal of Nuclear Materials, 2014 , 455, 330-334	3.3	13

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