Bruce A. Pint

List of Publications by Year in Descending Order

336 papers	10,016 citations	52 h-index	87 g-index
366 ext. papers	11,139 ext. citations	2.6 avg, IF	6.61 L-index

#	Paper	IF	Citations
336	Corrosion of 316H stainless steel in flowing FLiNaK salt. *Journal of Nuclear Materials*, **2022**, 561, 153551	3.3	0
335	Effects of applied stress and grain size on creep-rupture lifetime prediction for Haynes 282 alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2022**, 838, 142785	5.3	3
334	Comprehensive insights into competitive oxidation/sulfidation reactions on binary ferritic alloys at high temperatures. *Corrosion Science*, **2022**, 110236	6.8	0
333	The Oxidation of the HiSiMo Cast Irons Alloyed with Cr/Al at 800 °C. *Oxidation of Metals*, **2022**, 97, 441-449	1.6	
332	Burst and oxidation behavior of Cr-coated Zirlo during simulated LOCA testing. *Journal of Nuclear Materials*, **2022**, 564, 153679	3.3	0
331	Hydrothermal corrosion and steam oxidation behavior comparison of UAM and conventional Zry-4. *Journal of Nuclear Materials*, **2022**, 567, 153806	3.3	
330	Compatibility of Alumina-Forming Austenitic Steels in Static and Flowing Pb. *Jom*, **2021**, 73, 4016	2.1	
329	Quantifying adherence of oxide scales on steels exposed to high temperature and pressure steam. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2021**, 72, 1315-1327	1.6	
328	First steps toward predicting corrosion behavior of structural materials in molten salts. *Journal of Nuclear Materials*, **2021**, 546, 152755	3.3	9
327	Conceptual Design of HFIR Irradiation Experiment for Material Compatibility Study on Liquid Sn Divertor. *Plasma and Fusion Research*, **2021**, 16, 2405040-2405040	0.5	1
326	Compatibility of SiC with ODS FeCrAl in flowing Pb-Li at 600–700 °C. *Fusion Engineering and Design*, **2021**, 166, 112389	1.7	3
325	Effect of Water Vapor on Lifetime of 625 and 120 Foils During Oxidation Between 650 and 800 °C. *Oxidation of Metals*, **2021**, 96, 589	1.6	2
324	Steam oxidation of chromium corrosion barrier coatings for sic-based accident tolerant fuel cladding. *Journal of Nuclear Materials*, **2021**, 543, 152561	3.3	2
323	Invited Review Paper in Commemoration of Over 50 Years of Oxidation of Metals: Addressing the Role of Water Vapor on Long-Term Stainless Steel Oxidation Behavior. *Oxidation of Metals*, **2021**, 95, 335-357	1.6	5
322	Steam oxidation of ytterbium disilicate environmental barrier coatings with and without a silicon bond coat. *Journal of the American Ceramic Society*, **2021**, 104, 2285-2300	3.8	4
321	A Tracer Study on sCO2 Corrosion with Multiple Oxygen-Bearing Impurities. *Oxidation of Metals*, **2021**, 96, 571	1.6	1
320	Editorial on this Focus Issue on Key Corrosion Topics. *Oxidation of Metals*, **2021**, 96, 1-2	1.6	

319	Pre-Oxidation to Improve Liquid Metal Compatibility. *Oxidation of Metals*, **2021**, 96, 231-240	1.6	1
318	Data analytics approach to predict high-temperature cyclic oxidation kinetics of NiCr-based Alloys. *Npj Materials Degradation*, **2021**, 5,	5.7	1
317	Focus Issue on Unique Materials, Techniques, and Environments. *Oxidation of Metals*, **2021**, 96, 183-184	1.6	
316	Oxidation of ultrahigh temperature ceramics: kinetics, mechanisms, and applications. *Journal of the European Ceramic Society*, **2021**, 41, 6130-6150	6	10
315	Strength and rupture geometry of un-irradiated C26M FeCrAl under LOCA burst testing conditions. *Journal of Nuclear Materials*, **2021**, 557, 153242	3.3	8
314	Oxidation Behavior of Candidate NiCr Alloys for Engine Exhaust Valves: Part IEffect of Minor Alloying Elements. *Oxidation of Metals*, **2021**, 95, 157-187	1.6	6
313	Effect of Pressure and Thermal Cycling on Long-Term Oxidation in CO2 and Supercritical CO2. *Oxidation of Metals*, **2020**, 94, 505-526	1.6	11
312	The Impact of Impurities on Alloy Behavior in Supercritical CO2 at 700 °C. *Oxidation of Metals*, **2020**, 94, 95-111	1.6	6
311	Effect of Air Plasma Sprayed Flash Bond Coatings on Furnace Cycle Lifetime of Disks and Rods. *Journal of Engineering for Gas Turbines and Power*, **2020**, 142,	1.7	2
310	Characterization of the Benefit of APS Flash Coatings in Improving TBC Lifetime. *Minerals, Metals and Materials Series*, **2020**, 739-746	0.3	
309	Principles of Corrosion in Nuclear Systems: Theory and Analytical Methods **2020**, 1-32		0
308	Computational Methods to Accelerate Development of Corrosion Resistant Coatings for Industrial Gas Turbines. *Minerals, Metals and Materials Series*, **2020**, 824-833	0.3	2
307	Compatibility of FeCrAlMo with flowing PbLi at 500–650 °C. *Journal of Nuclear Materials*, **2020**, 528, 151847	3.3	10
306	The Effect of Shot Peening on Steam Oxidation of 304H Stainless Steel. *Oxidation of Metals*, **2020**, 93, 159-174	1.6	7
305	A Domestic Program for Liquid Metal PFC Research in Fusion. *Journal of Fusion Energy*, **2020**, 39, 441-447	1.6	7
304	Burst behavior of nuclear grade FeCrAl and Zircaloy-2 fuel cladding under simulated cyclic dryout conditions. *Journal of Nuclear Materials*, **2020**, 539, 152256	3.3	4
303	Role of bond coat processing methods on the durability of plasma sprayed thermal barrier systems. *Surface and Coatings Technology*, **2019**, 375, 782-792	4.4	16
302	Effect of APS flash bond coatings and curvature on TBC performance on rod specimens. *Surface and Coatings Technology*, **2019**, 378, 124940	4.4	5

301	3D Microscopy to Assess the Effect of High Temperature Cyclic Oxidation on the Deformation of Cast and ODS FeCrAlY Alloys. *Oxidation of Metals*, **2019**, 91, 327-347	1.6	3
300	Critical Exploration of Liquid Metal Plasma-Facing Components in a Fusion Nuclear Science Facility. *Fusion Science and Technology*, **2019**, 75, 886-917	1.1	19
299	Steam oxidation behavior of Ni-base superalloys 690, 725 and X-750 at 600 and 650 °C. *Corrosion Science*, **2019**, 157, 487-497	6.8	3
298	Effect of pressure and impurities on oxidation in supercritical CO2. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2019**, 70, 1400-1409	1.6	17
297	The Effect of HVOF Bond Coating with APS Flash Coating on TBC Performance. *Oxidation of Metals*, **2019**, 91, 691-704	1.6	7
296	Re-establishing the paradigm for evaluating halide salt compatibility to study commercial chloride salts at 600–800 °C. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2019**, 70, 1439-1449	1.6	12
295	Lifetime modeling for a supercritical CO2-molten salt CSP power block **2019**,		1
294	High Temperature Oxidation Lifetime Modeling of Thin-Walled Components **2019**,		2
293	Steam Oxidation Behavior of FeCrAl Cladding. *Minerals, Metals and Materials Series*, **2019**, 1451-1460	0.3	3
292	Accident Tolerant FeCrAl Fuel Cladding: Current Status Towards Commercialization. *Minerals, Metals and Materials Series*, **2019**, 1381-1389	0.3	1
291	The effect of bond coating surface modification on the performance of atmospheric plasma spray thermal barrier coatings. *Surface and Coatings Technology*, **2019**, 378, 125042	4.4	8
290	The Effect of Coating Composition and Geometry on Thermal Barrier Coatings Lifetime. *Journal of Engineering for Gas Turbines and Power*, **2019**, 141,	1.7	6
289	Development of low-Cr ODS FeCrAl alloys for accident-tolerant fuel cladding. *Journal of Nuclear Materials*, **2018**, 501, 59-71	3.3	57
288	Performance of vacuum plasma spray and HVOF bond coatings at 900 and 1100 °C. *Surface and Coatings Technology*, **2018**, 337, 136-140	4.4	8
287	Characterization of chromia scales formed in supercritical carbon dioxide. *Materials at High Temperatures*, **2018**, 35, 39-49	1.1	17
286	Accident Tolerant FeCrAl Fuel Cladding: Current Status Towards Commercialization. *Minerals, Metals and Materials Series*, **2018**, 165-173	0.3	2
285	The Effect of CO2 Pressure on Chromia Scale Microstructure at 750 °C. *Jom*, **2018**, 70, 1511-1519	2.1	12
284	STEM and APT characterization of scale formation on a La,Hf,Ti-doped NiCrAl model alloy. *Micron*, **2018**, 109, 41-52	2.3	14

283	Steam Oxidation Behavior of FeCrAl Cladding. *Minerals, Metals and Materials Series*, **2018**, 235-244	0.3	2
282	High-temperature behavior of oxide dispersion strengthening CoNiCrAlY. *Materials at High Temperatures*, **2018**, 35, 108-119	1.1	11
281	Development of Creep-Resistant, Alumina-Forming Ferrous Alloys for High-Temperature Structural Use **2018**,		4
280	Performance of Wrought Superalloys in Extreme Environments. *Minerals, Metals and Materials Series*, **2018**, 165-178	0.3	3
279	Effect of pressure on supercritical CO2 compatibility of structural alloys at 750 °C. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2017**, 68, 151-158	1.6	39
278	Special Issue on Oxidation in Water Vapor. *Oxidation of Metals*, **2017**, 87, 403-404	1.6	
277	Long-Term Oxidation Testing and Lifetime Modeling of Cast and ODS FeCrAl Alloys. *Oxidation of Metals*, **2017**, 87, 215-248	1.6	6
276	Grain Boundary Chemistry and Transport Through Alumina Scales on NiAl Alloys. *Oxidation of Metals*, **2017**, 88, 469-479	1.6	7
275	Special Issue on the High-Temperature Corrosion in Mixed Oxidant Environments. *Oxidation of Metals*, **2017**, 87, 679-680	1.6	
274	Oxidation of New Materials and Composites. *Oxidation of Metals*, **2017**, 88, 235-236	1.6	
273	Special Issue on Advances in Relevant Characterization Techniques. *Oxidation of Metals*, **2017**, 88, 421-422	1.6	
272	Interfaces in Oxides Formed on NiAlCr Doped with Y, Hf, Ti, and B. *Microscopy and Microanalysis*, **2017**, 23, 396-403	0.5	8
271	High-Temperature Protective Coatings. *Oxidation of Metals*, **2017**, 88, 71-71	1.6	
270	Special Issue on Carburization and Metal Dusting. *Oxidation of Metals*, **2017**, 87, 603-604	1.6	
269	Predicting Oxidation-Limited Lifetime of Thin-Walled Components of NiCrW Alloy 230. *Oxidation of Metals*, **2017**, 87, 11-38	1.6	21
268	Solid-liquid phase equilibria of Fe-Cr-Al alloys and spinels. *Journal of Nuclear Materials*, **2017**, 492, 128-133	3	17
267	Effect of Thermal Cycling on Compatibility in CO2 for Concentrated Solar Power Applications. *Oxidation of Metals*, **2017**, 87, 631-642	1.6	12
266	Fabrication of Oxide Dispersion Strengthened Bond Coats with Low Al2O3 Content. *Journal of Thermal Spray Technology*, **2017**, 26, 868-879	2.5	15

265	Effect of Al and Cr Content on Air and Steam Oxidation of FeCrAl Alloys and Commercial APMT Alloy. *Oxidation of Metals*, **2017**, 87, 431-441	1.6	44
264	Steam Oxidation Evaluation of Fe□r Alloys for Accident Tolerant Nuclear Fuel Cladding. *Oxidation of Metals*, **2017**, 87, 515-526	1.6	15
263	Design and Evaluation of Nuclear System for ARIES-ACT2 Power Plant with DCLL Blanket. *Fusion Science and Technology*, **2017**, 72, 17-40	1.1	13
262	Effect of Pressure and Thermal Cycling on Compatibility in CO2 for Concentrated Solar Power Applications **2017**,		1
261	Special Issue on Corrosion□Mechanical Loading Interactions. *Oxidation of Metals*, **2017**, 88, 1-2	1.6	4
260	Special Issue on □undamentals and Numerical Simulations in High-Temperature Corrosion and Protection Focus Issue□*Oxidation of Metals*, **2017**, 87, 271-272	1.6	
259	Development of 1100 □C Capable Alumina-Forming Austenitic Alloys. *Oxidation of Metals*, **2017**, 87, 1-10	1.6	13
258	High-temperature materials **2017**, 67-104		4
257	Performance of FeCrAl for accident-tolerant fuel cladding in high-temperature steam. *Corrosion Reviews*, **2017**, 35, 167-175	3.2	17
256	Influences of Superalloy Composition and Pt Content on the Oxidation Behavior of Gamma□Gamma Prime NiPtAl Bond Coatings. *Oxidation of Metals*, **2016**, 86, 453-481	1.6	10
255	Factors Affecting TBC Furnace Cycle Lifetime: Temperature, Environment, Structure and Composition **2016**, 727-734		2
254	The Effect of Environment on Thermal Barrier Coating Lifetime. *Journal of Engineering for Gas Turbines and Power*, **2016**, 138,	1.7	9
253	Cladding burst behavior of Fe-based alloys under LOCA. *Journal of Nuclear Materials*, **2016**, 470, 128-138	3.3	43
252	Uniform corrosion of FeCrAl alloys in LWR coolant environments. *Journal of Nuclear Materials*, **2016** , 479, 36-47	3.3	97
251	Field and Laboratory Evaluations of Commercial and Next-Generation Alumina-Forming Austenitic Foil for Advanced Recuperators. *Journal of Engineering for Gas Turbines and Power*, **2016**, 138,	1.7	4
250	The effects of temperature and substrate curvature on TBC lifetime and residual stress in alumina scales beneath APS YSZ. *Surface and Coatings Technology*, **2016**, 308, 19-23	4.4	11
249	Current Thoughts on Reactive Element Effects in Alumina-Forming Systems: In Memory of John Stringer. *Oxidation of Metals*, **2016**, 86, 1-43	1.6	119
248	Advanced TEM characterization of oxide nanoparticles in ODS Fe□12Cr□Al alloys. *Journal of Materials Science*, **2016**, 51, 9190-9206	4.3	33

247	Microstructure and environmental resistance of low Cr ODS FeCrAl. *Materials at High Temperatures*, **2015**, 32, 123-132	1.1	22
246	APS TBC performance on directionally-solidified superalloy substrates with HVOF NiCoCrAlYHfSi bond coatings. *Surface and Coatings Technology*, **2015**, 284, 9-13	4.4	19
245	Oxidation, Creep and Fatigue Properties of Bare and Coated 31V Alloy. *Jom*, **2015**, 67, 68-76	2.1	3
244	Effect of steam on high temperature oxidation behaviour of alumina-forming alloys. *Materials at High Temperatures*, **2015**, 32, 28-35	1.1	63
243	Effect of Specimen Thickness on Microstructural Changes During Oxidation of the NiCrW Alloy 230 at 950–1050°C. *Jom*, **2015**, 67, 2573-2588	2.1	10
242	Initial Assessment of Ni-Base Alloy Performance in 0.1 MPa and Supercritical CO2. *Jom*, **2015**, 67, 2615-2620	2.1	32
241	Development and property evaluation of nuclear grade wrought FeCrAl fuel cladding for light water reactors. *Journal of Nuclear Materials*, **2015**, 467, 703-716	3.3	227
240	Material Selection for Accident Tolerant Fuel Cladding. *Metallurgical and Materials Transactions E*, **2015**, 2, 190-196		31
239	Performance of chromia- and alumina-forming Fe- and Ni-base alloys exposed to metal dusting environments: The effect of water vapor and temperature. *Corrosion Science*, **2015**, 92, 58-68	6.8	27
238	Creep behavior of pack cementation aluminide coatings on Grade 91 ferritic–martensitic alloy. *Surface and Coatings Technology*, **2014**, 240, 32-39	4.4	19
237	Effects of thermal cycling parameters on residual stresses in alumina scales of CoNiCrAlY and NiCoCrAlY bond coats. *Surface and Coatings Technology*, **2014**, 258, 608-614	4.4	8
236	The effect of cycle frequency, H2O and CO2 on TBC lifetime with NiCoCrAlYHfSi bond coatings. *Surface and Coatings Technology*, **2014**, 260, 107-112	4.4	14
235	Alloying and coating strategies for improved Pb–Li compatibility in DEMO-type fusion reactors. *Journal of Nuclear Materials*, **2014**, 455, 330-334	3.3	13
234	Critical Assessment 4: Challenges in developing high temperature materials. *Materials Science and Technology*, **2014**, 30, 1387-1391	1.5	4
233	Silicon Carbide Oxidation in Steam up to 2 MPa. *Journal of the American Ceramic Society*, **2014**, 97, 2331-2352	3.6	151
232	Effect of Environment on the High Temperature Oxidation Behavior of 718 and 718Plus **2014**, 667-677		2
231	Development of ODS FeCrAl for Compatibility in Fusion and Fission Energy Applications. *Jom*, **2014**, 66, 2458-2466	2.1	46
230	Effect of oxy-firing on corrosion rates at 600–650 °C. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2014**, 65, 132-140	1.6	18

229	Effect of boron on the oxidation behavior of NiCrAlYHfTi in H2O and CO2 environments. *Surface and Coatings Technology*, **2014**, 260, 17-22	4.4	11
228	High Temperature Coatings. *Oxidation of Metals*, **2014**, 81, 1-1	1.6	1
227	Effect of Environment on the High Temperature Oxidation Behavior of 718 and 718Plus **2014**,		2
226	Hot Corrosion and Degradation in Complex Atmospheres. *Oxidation of Metals*, **2013**, 80, 453-454	1.6	
225	Alloy Development for High Temperature Corrosion and Protection. *Oxidation of Metals*, **2013**, 80, 1-1	1.6	1
224	Water Vapor Effects in High Temperature Oxidation. *Oxidation of Metals*, **2013**, 79, 443-444	1.6	1
223	Effect of H2O and CO2 on the Oxidation Behavior and Durability at High Temperature of ODS-FeCrAl. *Oxidation of Metals*, **2013**, 79, 627-638	1.6	22
222	Advanced Characterization Techniques in High-Temperature Oxidation and Corrosion Studies. *Oxidation of Metals*, **2013**, 79, 225-226	1.6	
221	Performance of advanced turbocharger alloys and coatings at 850–950°C in air with water vapor. *Surface and Coatings Technology*, **2013**, 215, 90-95	4.4	9
220	Oxidation behavior of co-doped NiCrAl alloys in dry and wet air. *Surface and Coatings Technology*, **2013**, 237, 8-15	4.4	35
219	High temperature oxidation of fuel cladding candidate materials in steam–hydrogen environments. *Journal of Nuclear Materials*, **2013**, 440, 420-427	3.3	269
218	Protection of zirconium by alumina- and chromia-forming iron alloys under high-temperature steam exposure. *Journal of Nuclear Materials*, **2013**, 438, 64-71	3.3	88
217	High Temperature Corrosion and Protection of Ceramics, Composites and Silicides. *Oxidation of Metals*, **2013**, 80, 205-205	1.6	
216	High-Temperature Corrosion in Fossil Fuel Power Generation: Present and Future. *Jom*, **2013**, 65, 1024-1032	2.1	36
215	Fundamentals and Numerical Simulations in High Temperature Corrosion and Protection. *Oxidation of Metals*, **2013**, 79, 1-1	1.6	
214	Impact of superalloy composition, bond coat roughness and water vapor on TBC lifetime with HVOF NiCoCrAlYHfSi bond coatings. *Surface and Coatings Technology*, **2013**, 237, 65-70	4.4	19
213	Effect of water vapor on the 1100°C oxidation behavior of plasma-sprayed TBCs with HVOF NiCoCrAlX bond coatings. *Surface and Coatings Technology*, **2013**, 215, 39-45	4.4	39
212	Characterization of specimens exposed in a Li loop. *Journal of Nuclear Materials*, **2013**, 442, S580-S584	3.3	3

211	Effect of water vapor on thermally-grown alumina scales on Pt-modified and simple aluminide bond coatings. *Surface and Coatings Technology*, **2013**, 237, 2-7	4.4	15
210	Effect of water vapor on thermally grown alumina scales on bond coatings. *Surface and Coatings Technology*, **2013**, 215, 30-38	4.4	26
209	Effect of water vapour content on thermal barrier coating lifetime. *Materials Science and Technology*, **2013**, 29, 828-834	1.5	5
208	Evaluation of Commercial and Next Generation Alumina-Forming Austenitic Foil for Advanced Recuperators **2013**,		2
207	Pb□i compatibility issues for DEMO. *Journal of Nuclear Materials*, **2013**, 442, S572-S575	3.3	13
206	Oxidation behaviour of cast Ni□r alloys in steam at 800□C. *Materials Science and Technology*, **2013**, 29, 822-827	1.5	33
205	Materials Considerations for Supercritical CO2 Turbine Cycles **2013**,		6
204	Progress on DCLL Blanket Concept. *Fusion Science and Technology*, **2013**, 64, 623-630	1.1	7
203	Evaluation of NiCrAl Foil for a Concentrated Solar Power Application **2013**,		1
202	Oxidation of fuel cladding candidate materials in steam environments at high temperature and pressure. *Journal of Nuclear Materials*, **2012**, 427, 396-400	3.3	125
201	Creep behavior of commercial FeCrAl foils: Beneficial and detrimental effects of oxidation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2012**, 550, 10-18	5.3	12
200	Inhibited aluminization of an ODS FeCr alloy. *Surface and Coatings Technology*, **2012**, 206, 5036-5041	4.4	4
199	Effect of exposure in steam or argon on the creep properties of Ni-based alloys. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2012**, 63, 889-895	1.6	5
198	The Effect of Water Vapor and Superalloy Composition on Thermal Barrier Coating Lifetime **2012**, 723-732		2
197	Mechanistic-Based Lifetime Predictions for High-Temperature Alloys and Coatings. *Jom*, **2012**, 64, 1454-1460	1.1	19
196	Interdiffusion behavior of Al-rich oxidation resistant coatings on ferritic□martensitic alloys. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2012**, 63, 909-920	1.6	5
195	Effect of environment on the scale formed on oxide dispersion strengthened FeCrAl at 1050□C and 1100□C. *Materials at High Temperatures*, **2012**, 29, 171-180	1.1	28
194	Material compatibility with isothermal Pb□i. *Materials at High Temperatures*, **2012**, 29, 129-135	1.1	18

193	Microstructure and Chemistry of the Oxide Scale and Pt-containing Coatings Deposited on Superalloy N5. *Microscopy and Microanalysis*, **2012**, 18, 1676-1677	0.5	
192	Ionic segregation on grain boundaries in thermally grown alumina scales. *Materials at High Temperatures*, **2012**, 29, 257-263	1.1	18
191	Evaluation of Commercial Alumina-Forming Austenitic Foil for Advanced Recuperators **2011**,		1
190	Effect of increased water vapor levels on TBC lifetime with Pt-containing bond coatings. *Surface and Coatings Technology*, **2011**, 206, 1566-1570	4.4	27
189	Cyclic oxidation behavior of HVOF bond coatings deposited on La- and Y-doped superalloys. *Surface and Coatings Technology*, **2011**, 206, 1600-1604	4.4	14
188	Characterization of the alumina scale formed on coated and uncoated doped superalloys. *Surface and Coatings Technology*, **2011**, 206, 1522-1528	4.4	24
187	The effect of coatings on the compatibility of Fe□r steels with Pb□i. *Journal of Nuclear Materials*, **2011**, 417, 1195-1199	3.3	17
186	Overview of Strategies for High-Temperature Creep and Oxidation Resistance of Alumina-Forming Austenitic Stainless Steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 922-931	2.3	96
185	Performance of Al-rich oxidation resistant coatings for Fe-base alloys. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2011**, 62, 549-560	1.6	34
184	High-growth rate YSZ thermal barrier coatings deposited by MOCVD demonstrate high thermal cycling lifetime. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 978-985	5.3	13
183	The Future of Alumina-Forming Alloys: Challenges and Applications for Power Generation. *Materials Science Forum*, **2011**, 696, 57-62	0.4	12
182	Evaluation of Alumina-Forming Austenitic Foil for Advanced Recuperators. *Journal of Engineering for Gas Turbines and Power*, **2011**, 133,	1.7	11
181	High-Temperature Performance of Cast CF8C-Plus Austenitic Stainless Steel. *Journal of Engineering for Gas Turbines and Power*, **2011**, 133,	1.7	8
180	High Temperature Corrosion of Alumina-forming Iron, Nickel and Cobalt-base Alloys **2010**, 606-645		15
179	Progress in the development of insulator coating for liquid lithium blankets. *Fusion Engineering and Design*, **2010**, 85, 1301-1306	1.7	35
178	Effect of Hf and Y alloy additions on aluminide coating performance. *Surface and Coatings Technology*, **2010**, 204, 3287-3293	4.4	73
177	Determination of the ductile to brittle temperature transition of aluminide coatings and its influence on the mechanical behavior of coated specimens. *Surface and Coatings Technology*, **2010**, 205, 1195-1199	4.4	12
176	Characterization of the alumina scale formed on a commercial MCrAlYHfSi coating. *Surface and Coatings Technology*, **2010**, 205, 1178-1182	4.4	44

175	Effect of superalloy substrate and bond coating on TBC lifetime. *Surface and Coatings Technology*, **2010**, 205, 1236-1240	4.4	40
174	Oxidation of Superalloys in Extreme Environments **2010**,		6
173	Development of Alumina-Forming Austenitic Alloys for Advanced Recuperators **2009**,		3
172	Characterization of alumina interfaces in TBC systems. *Journal of Materials Science*, **2009**, 44, 1676-1686	4.3	53
171	High-temperature oxidation-resistant alloys: Recent developments in science and applications. *Jom* , **2009**, 61, 42-43	2.1	17
170	Effects of prior surface damage on high-temperature oxidation of Fe-, Ni-, and Co-based alloys. *Wear*, **2009**, 267, 380-386	3.5	21
169	Formation and oxidation performance of low-temperature pack aluminide coatings on ferritic□martensitic steels. *Surface and Coatings Technology*, **2009**, 204, 766-770	4.4	35
168	Comparison of the oxidation behavior of □ and □□ NiPtAl coatings. *Surface and Coatings Technology*, **2009**, 204, 816-819	4.4	27
167	Initial characterization of V□Cr□Ti and MHD coatings exposed to flowing Li. *Journal of Nuclear Materials*, **2009**, 386-388, 712-715	3.3	20
166	Factors affecting aluminum depletion during cyclic oxidation of Fe-base alumina-forming alloys. *Materials at High Temperatures*, **2009**, 26, 211-216	1.1	5
165	Comparison of Recuperator Alloy Degradation in Laboratory and Engine Testing. *Journal of Engineering for Gas Turbines and Power*, **2008**, 130,	1.7	4
164	On the Loss of Protective Scale Formation in Creep-Resistant, Alumina-Forming Austenitic Stainless Steels at 900□C in Air. *Materials Science Forum*, **2008**, 595-598, 725-732	0.4	20
163	Overview of Coating and Compatibility Research for Fusion Energy in the U.S.. *Materials Science Forum*, **2008**, 595-598, 549-558	0.4	13
162	The Effect of Thermal Expansion on Spallation Behavior of Fe-Base Alumina-Forming Alloys. *Materials Science Forum*, **2008**, 595-598, 1083-1092	0.4	12
161	Design strategies for new oxidation-resistant high temperature alloys **2008**, 398-432		2
160	Transformation of Al2O3 to LiAlO2 in Pb□17Li at 800□C. *Journal of Nuclear Materials*, **2008**, 376, 108-113	3.3	26
159	Internal Oxidation□Nitridation of Ferritic Fe(Al) Alloys in Air. *Oxidation of Metals*, **2008**, 69, 211-231	1.6	10
158	The development of alumina-forming austenitic stainless steels for high-temperature structural use. *Jom*, **2008**, 60, 12-18	2.1	97

157	Effect of FeAl substrate mechanical properties on alumina scale morphology. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 497, 224-230	5.3	7
156	Formation of aluminide coatings on Fe-based alloys by chemical vapor deposition. *Surface and Coatings Technology*, **2008**, 202, 3839-3849	4.4	42
155	Interdiffusion behavior of Pt-diffused + coatings on Ni-based superalloys. *Surface and Coatings Technology*, **2008**, 203, 417-421	4.4	27
154	The effect of Pt content on NiPtAl coatings. *Surface and Coatings Technology*, **2008**, 203, 413-416	4.4	38
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