Vincent Maurice

List of Publications by Year
in descending order

175 papers	8,242 citations	34493 54 h-index	64407 83 g-index
180 all docs	180 docs citations	180 times ranked	6723 citing authors

#	Article	IF	Citations
1	XPS study of oxide nucleation and growth mechanisms on a model FeCrNiMo stainless steel surface. Applied Surface Science, 2022, 575, 151681.	3.1	19
2	Can We Enhance Passivity with a Surface Finish? Spectroscopic and Electrochemical Analysis on 316L Stainless Steel. Journal of the Electrochemical Society, 2022, 169, 011505.	1.3	12
3	Enhanced passivity of Cr-Fe-Co-Ni-Mo multi-component single-phase face-centred cubic alloys: design, production and corrosion behaviour. Corrosion Science, 2022, 200, 110233.	3.0	18
4	Advanced protection against environmental degradation of silver mirror stacks for space application. Journal of Materials Science and Technology, 2021, 64, 1-9.	5.6	3
5	DFT investigation of 2-mercaptobenzothiazole adsorption on model oxidized copper surfaces and relationship with corrosion inhibition. Applied Surface Science, 2021, 537, 147802.	3.1	47
6	Molecular scale insights into interaction mechanisms between organic inhibitor film and copper. Npj Materials Degradation, 2021, 5, .	2.6	11
7	In situ scanning tunneling microscopy study of 2-mercaptobenzimidazole local inhibition effects on copper corrosion at grain boundary surface terminations. Electrochimica Acta, 2021, 378, 138150.	2.6	7
8	Local Effects of Organic Inhibitor Molecules on Passivation of Grain Boundaries Studied In Situ on Copper. Journal of the Electrochemical Society, 2021, 168, 061501.	1.3	11
9	An XPS and ToF-SIMS study of the passive film formed on a model FeCrNiMo stainless steel surface in aqueous media after thermal pre-oxidation at ultra-low oxygen pressure. Applied Surface Science, 2021, 554, 149435.	3.1	20
10	Insight on passivity of high entropy alloys: Thermal stability and ion transport mechanisms in the passive oxide film on CoCrFeMnNi surfaces. Corrosion Science, 2021, 188, 109540.	3.0	14
11	Effects of water vapour on 2-mercaptobenzothiazole corrosion inhibitor films deposited on copper. Corrosion Science, 2021, 189, 109565.	3.0	12
12	Nanoscale early oxidation mechanisms of model FeCrNi austenitic stainless steel surfaces at room temperature. Corrosion Science, 2021, 190, 109653.	3.0	13
13	Corrosion inhibition of locally de-passivated surfaces by DFT study of 2-mercaptobenzothiazole on copper. Npj Materials Degradation, 2021, 5, .	2.6	15
14	In Situ XPS for Investigating the Effects of Adsorbed Organic Molecules on the Reactivity of Cu with Water. ECS Meeting Abstracts, 2021, MA2021-02, 584-584.	0.0	0
15	Atomic Scale Insight into Corrosion Inhibition: DFT Study of 2-Mercaptobenzimidazole on Locally De-Passivated Copper Surfaces. Journal of the Electrochemical Society, 2021, 168, 121507.	1.3	7
16	Chloride-induced alterations of the passive film on 316L stainless steel and blocking effect of pre-passivation. Electrochimica Acta, 2020, 329, 135159.	2.6	63
17	DFT-Based Cu(111)||Cu₂O(111) Model for Copper Metal Covered by Ultrathin Copper Oxide: Structure, Electronic Properties, and Reactivity. Journal of Physical Chemistry C, 2020, 124, 17048-17057.	1.5	27
18	2-Mercaptobenzimidazole films formed at ultra-low pressure on copper: adsorption, thermal stability and corrosion inhibition performance. Applied Surface Science, 2020, 527, 146814.	3.1	28

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19	2-Mercaptobenzothiazole corrosion inhibitor deposited at ultra-low pressure on model copper surfaces. Corrosion Science, 2020, 166, 108464.	3.0	44
20	MoirÃ© Structure of the 2-Mercaptobenzothiazole Corrosion Inhibitor Adsorbed on a (111)-Oriented Copper Surface. Journal of Physical Chemistry C, 2020, 124, 15995-16001.	1.5	14
21	Passivation mechanisms and pre-oxidation effects on model surfaces of FeCrNi austenitic stainless steel. Corrosion Science, 2020, 167, 108483.	3.0	43
22	Adsorption and thermal stability of 2-mercaptobenzothiazole corrosion inhibitor on metallic and pre-oxidized Cu(1 1 1) model surfaces. Applied Surface Science, 2020, 508, 145132.	3.1	33
23	Passivation-Induced Cr and Mo Enrichments of 316L Stainless Steel Surfaces and Effects of Controlled Pre-Oxidation. Journal of the Electrochemical Society, 2020, 167, 141509.	1.3	31
24	Local Inhibition by 2-mercaptobenzothiazole of Early Stage Intergranular Corrosion of Copper. Journal of the Electrochemical Society, 2020, 167, 161504.	1.3	20
25	Adsorption of 2-mercaptobenzimidazole Corrosion Inhibitor on Copper: DFT Study on Model Oxidized Interfaces. Journal of the Electrochemical Society, 2020, 167, 161506.	1.3	21
26	(Keynote) Passivity at High Resolution: Insight from the Surface Science Approach. ECS Meeting Abstracts, 2020, MA2020-02, 1258-1258.	0.0	0
27	(Invited) Surface Analytical Study of Adsorption Mechanisms of 2-Mercaptobenzothiazole and 2-Mercaptobenzimidazole Corrosion Inhibitors on Cu. ECS Meeting Abstracts, 2020, MA2020-02, 1287-1287.	0.0	0
28	Origin of nanoscale heterogeneity in the surface oxide film protecting stainless steel against corrosion. Npj Materials Degradation, 2019, 3, .	2.6	41
29	Stainless steel surface structure and initial oxidation at nanometric and atomic scales. Applied Surface Science, 2019, 494, 8-12.	3.1	20
30	Passivation-Induced Physicochemical Alterations of the Native Surface Oxide Film on 316L Austenitic Stainless Steel. Journal of the Electrochemical Society, 2019, 166, C3376-C3388.	1.3	75
31	Mechanisms of Cr and Mo Enrichments in the Passive Oxide Film on 316L Austenitic Stainless Steel. Frontiers in Materials, 2019, 6, .	1.2	72
32	In Situ EC-STM Study and DFT Modeling of the Adsorption of Glycerol on Cu(111) in NaOH Solution. Journal of Physical Chemistry C, 2019, 123, 22228-22238.	1.5	7
33	Surface Chemistry and Passivation of Metals and Alloys. , 2019, , 91-120.		5
34	Combined in situ microstructural study of the relationships between local grain boundary structure and passivation on microcrystalline copper. Electrochimica Acta, 2019, 305, 240-246.	2.6	12
35	Progress in corrosion science at atomic and nanometric scales. Progress in Materials Science, 2018, 95, 132-171.	16.0	142
36	Role of SiC substrate surface on local tarnishing of deposited silver mirror stacks. Applied Surface Science, 2018, 436, 1147-1156.	3.1	5

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37	Local Degradation Mechanisms by Tarnishing of Protected Silver Mirror Layers Studied by Combined Surface Analysis. Journal of Physical Chemistry B, 2018, 122, 578-586.	1.2	6
38	The effect of Na2S additive in alkaline electrolyte on improved performances of Fe-based air batteries. Electrochimica Acta, 2018, 259, 196-203.	2.6	26
39	Nanoscale Intergranular Corrosion and Relation with Grain Boundary Character as Studied In Situ on Copper. Journal of the Electrochemical Society, 2018, 165, C835-C841.	1.3	21
40	Current developments of nanoscale insight into corrosion protection by passive oxide films. Current Opinion in Solid State and Materials Science, 2018, 22, 156-167.	5.6	67
41	New insight on early oxidation stages of austenitic stainless steel from in situ XPS analysis on single-crystalline Feâ€“18Crâ€“13Ni. Corrosion Science, 2018, 140, 205-216.	3.0	60
42	Atomic level characterization in corrosion studies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160414.	1.6	23
43	Effect of High Temperature Oxidation Process on Corrosion Resistance of Bright Annealed Ferritic Stainless Steel. Journal of the Electrochemical Society, 2017, 164, C869-C880.	1.3	5
44	Size-dependent reactivity of self-organized nanostructured O/Cu(110) surfaces towardsÂH2S. Surface Science, 2017, 655, 49-54.	0.8	3
45	Dynamics of 2D adislands formed by sulfur adsorption on an O/Cu(110) nanotemplate: an STM study. Surface Science, 2017, 655, 55-60.	0.8	1
46	Use of Local Electrochemical Methods (SECM, EC-STM) and AFM to Differentiate Microstructural Effects (EBSD) on Very Pure Copper. Corrosion Science and Technology, 2017, 16, 1-7.	0.2	2
47	The role of surface preparation in corrosion protection of copper with nanometer-thick ALD alumina coatings. Applied Surface Science, 2016, 387, 1054-1061.	3.1	24
48	Local passivation of metals at grain boundaries: In situ scanning tunneling microscopy study on copper. Corrosion Science, 2016, 111, 659-666.	3.0	27
49	Zn effect on STM imaging of brass surfaces. Surface Science, 2016, 644, 148-152.	0.8	7
50	Interfacial native oxide effects on the corrosion protection of copper coated with ALD alumina. Electrochimica Acta, 2016, 193, 7-15.	2.6	25
51	Corrosion protection of aluminium by ultra-thin atomic layer deposited alumina coatings. Corrosion Science, 2016, 106, 16-24.	3.0	68
52	Effects of molybdenum on the composition and nanoscale morphology of passivated austenitic stainless steel surfaces. Faraday Discussions, 2015, 180, 151-170.	1.6	111
53	Electrochemical and Surface Analysis of the Corrosion Protection of Copper by Nanometer-Thick Alumina Coatings Prepared by Atomic Layer Deposition. Journal of the Electrochemical Society, 2015, 162, C377-C384.	1.3	25
54	Tuning self-organized O/Cu(110) nanostructures by co-adsorption of sulfur. Surface Science, 2015, 636, L1-L4.	0.8	3

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55	Oxidation of Î±-brass: A photoelectron spectroscopy study. Surface Science, 2015, 641, 51-59.	0.8	15
56	Insight into Lithium Diffusion in Conversion-Type Iron Oxide Negative Electrode. Journal of Physical Chemistry C, 2015, 119, 919-925.	1.5	29
57	Grain boundary passivation studied by in situ scanning tunneling microscopy on microcrystalline copper. Journal of Solid State Electrochemistry, 2015, 19, 3501-3509.	1.2	20
58	Binary iron-chromium oxide as negative electrode for lithium-ion micro-batteries â€“ spectroscopic and microscopic characterization. Applied Surface Science, 2015, 353, 1170-1178.	3.1	10
59	Solid/fluid interface: general discussion. Faraday Discussions, 2015, 180, 81-96.	1.6	1
60	Corrosion scales and passive films: general discussion. Faraday Discussions, 2015, 180, 205-232.	1.6	7
61	Corrosion control: general discussion. Faraday Discussions, 2015, 180, 543-576.	1.6	12
62	The influence of the electrolyte on chemical and morphological modifications of an iron sulfide thin film negative electrode. Physical Chemistry Chemical Physics, 2015, 17, 619-629.	1.3	15
63	In situ scanning tunneling microscopy study of the intergranular corrosion of copper. Electrochemistry Communications, 2014, 41, 1-4.	2.3	34
64	Ageing mechanisms of conversion-type electrode material studied on iron sulfide thin films. Electrochimica Acta, 2014, 120, 359-368.	2.6	18
65	Nanostructure and local properties of oxide layers grown on stainless steel in simulated pressurized water reactor environment. Corrosion Science, 2014, 84, 198-203.	3.0	51
66	In Situ Scanning Tunneling Microscopy Study of Grain-Dependent Corrosion on Microcrystalline Copper. Journal of Physical Chemistry C, 2014, 118, 25421-25428.	1.5	36
67	Interface control of atomic layer deposited oxide coatings by filtered cathodic arc deposited sublayers for improved corrosion protection. Materials Chemistry and Physics, 2014, 147, 895-907.	2.0	10
68	Sealing of Hard CrN and DLC Coatings with Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2014, 6, 1893-1901.	4.0	61
69	Aging-Induced Chemical and Morphological Modifications of Thin Film Iron Oxide Electrodes for Lithium-Ion Batteries. Langmuir, 2014, 30, 3538-3547.	1.6	25
70	Corrosion properties of steel protected by nanometre-thick oxide coatings. Corrosion Science, 2014, 82, 208-217.	3.0	29
71	Combined Surface and Electrochemical Study of the Lithiation/Delithiation Mechanism of the Iron Oxide Thin-Film Anode for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2013, 117, 21651-21661.	1.5	59
72	Al_{<i>x</i>}Ta_{<i>y</i>}O_{<i>z</i>} Mixture Coatings Prepared Using Atomic Layer Deposition for Corrosion Protection of Steel. Chemical Vapor Deposition, 2013, 19, 194-203.	1.4	14

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73	Oxide Film Growth Kinetics on Metals and Alloys. Journal of the Electrochemical Society, 2013, 160, C189-C196.	1.3	116
74	Tantalum oxide nanocoatings prepared by atomic layer and filtered cathodic arc deposition for corrosion protection of steel: Comparative surface and electrochemical analysis. Electrochimica Acta, 2013, 90, 232-245.	2.6	88
75	Electrochemical lithiation and passivation mechanisms of iron monosulfide thin film as negative electrode material for lithium-ion batteries studied by surface analytical techniques. Applied Surface Science, 2013, 283, 888-899.	3.1	37
76	Intergranular effects on the local electronic properties of the passive film on nickel. Corrosion Science, 2013, 69, 245-251.	3.0	23
77	Hydrogenâ€"argon plasma pre-treatment for improving the anti-corrosion properties of thin Al2O3 films deposited using atomic layer deposition on steel. Thin Solid Films, 2013, 534, 384-393.	0.8	25
78	Nanoscale Morphology and Atomic Structure of Passive Films on Stainless Steel. Journal of the Electrochemical Society, 2013, 160, C232-C238.	1.3	62
79	Passive films at the nanoscale. Electrochimica Acta, 2012, 84, 129-138.	2.6	100
80	Local Electronic Properties of the Passive Film on Nickel Studied by Scanning Tunneling Spectroscopy. Journal of the Electrochemical Society, 2012, 159, C351-C356.	1.3	20
81	Structure and Morphology Modifications of Silver Surface in the Early Stages of Sulfide Growth in Alkaline Solution. Journal of Physical Chemistry C, 2012, 116, 7062-7072.	1.5	9
82	Novel nanostructuring of the O/Cu(110) surface by reaction to oxygen. Surface Science, 2012, 606, L26-L30.	0.8	9
83	Chromium and tantalum oxide nanocoatings prepared by filtered cathodic arc deposition for corrosion protection of carbon steel. Surface and Coatings Technology, 2012, 206, 3903-3910.	2.2	53
84	Ultra-Thin Aluminium Oxide Films Deposited by Plasma-Enhanced Atomic Layer Deposition for Corrosion Protection. Journal of the Electrochemical Society, 2011, 158, C132.	1.3	100
85	XPS and ToF-SIMS Study of Electrode Processes on Snâ^'Ni Alloy Anodes for Li-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 7012-7018.	1.5	89
86	Reconstruction of TiAl Intermetallic Surfaces: A Combined STM and DFT Study. Journal of Physical Chemistry C, 2011, 115, 3372-3377.	1.5	11
87	Low-temperature atomic layer deposition of Al2O3 thin coatings for corrosion protection of steel: Surface and electrochemical analysis. Corrosion Science, 2011, 53, 2168-2175.	3.0	199
88	Electrochemical and time-of-flight secondary ion mass spectrometry analysis of ultra-thin metal oxide (Al2O3 and Ta2O5) coatings deposited by atomic layer deposition on stainless steel. Electrochimica Acta, 2011, 56, 10516-10523.	2.6	67
89	Failure mechanism of thin Al2O3 coatings grown by atomic layer deposition for corrosion protection of carbon steel. Electrochimica Acta, 2011, 56, 9609-9618.	2.6	65
90	Corrosion Protection of Steel with Oxide Nanolaminates Grown by Atomic Layer Deposition. Journal of the Electrochemical Society, 2011, 158, C369.	1.3	58

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91	XPS and ToF-SIMS study of Snâ€“Co alloy thin films as anode for lithium ion battery. Journal of Power Sources, 2010, 195, 8251-8257.	4.0	111
92	Surface reconstruction modes of Cu2O(001) surface: A first principles study. Surface Science, 2010, 604, 1516-1523.	0.8	20
93	Xâ€ray photoelectron spectroscopy study of the interaction of ultraâ€thin alumina films on NiAl alloys with NaCl solutions. Surface and Interface Analysis, 2010, 42, 581-587.	0.8	10
94	Modifications and Growth Mechanisms of Ultrathin Aluminum Oxide Films on NiAl in Water. Journal of Physical Chemistry C, 2010, 114, 7132-7140.	1.5	12
95	Breakdown Kinetics at Nanostructure Defects of Passive Films. Electrochemical and Solid-State Letters, 2009, 12, C25.	2.2	30
96	Oxidation of a Zr-doped NiAl bondcoat thermochemically deposited on a nickel-based superalloy. Materials at High Temperatures, 2009, 26, 195-198.	0.5	12
97	First principles investigation on the stabilization mechanisms of the polar copper terminated Cu2O(111) surface. Surface Science, 2009, 603, 2087-2095.	0.8	49
98	XPS, time-of-flight-SIMS and polarization modulation IRRAS study of Cr2O3 thin film materials as anode for lithium ion battery. Electrochimica Acta, 2009, 54, 3700-3707.	2.6	81
99	Bulk and surface properties of Cu2O: A first-principles investigation. Computational and Theoretical Chemistry, 2009, 903, 41-48.	1.5	67
100	Oxidation resistance of a Zr-doped NiAl coating thermochemically deposited on a nickel-based superalloy. Surface and Coatings Technology, 2009, 204, 756-760.	2.2	67
101	Ab initio study of the interaction of chlorides with defect-free hydroxylated NiO surfaces. Corrosion Science, 2009, 51, 941-948.	3.0	60
102	Ab initio modelling of localized corrosion: Study of the role of surface steps in the interaction of chlorides with passivated nickel surfaces. Corrosion Science, 2009, 51, 2174-2182.	3.0	75
103	Corrosion at the Nanoscale. Nanostructure Science and Technology, 2009, , 377-406.	0.1	1
104	Atomistic Modeling of Voiding Mechanisms at Oxide/Alloy Interfaces. Journal of Physical Chemistry C, 2009, 113, 9978-9981.	1.5	17
105	Structure, Passivation and Localized Corrosion of Metal Surfaces. Modern Aspects of Electrochemistry, 2009, , 1-58.	0.2	8
106	Initiation of localized corrosion at the nanoscale by competitive dissolution and passivation of nickel surfaces. Electrochimica Acta, 2008, 54, 540-544.	2.6	23
107	Dual surface and bulk control by Nb of the penetration of environmental elements in TiAl intermetallic alloys. Acta Materialia, 2008, 56, 3963-3968.	3.8	6
108	The distribution of lithium intercalated in V2O5 thin films studied by XPS and ToF-SIMS. Electrochimica Acta, 2008, 53, 4257-4266.	2.6	32

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109	Li-Ion Intercalation in Thermal Oxide Thin Films of MoO₃ as Studied by XPS, RBS, and NRA. Journal of Physical Chemistry C, 2008, 112, 11050-11058.	1.5	181
110	Localized corrosion (pitting): A model of passivity breakdown including the role of the oxide layer nanostructure. Corrosion Science, 2008, 50, 2698-2704.	3.0	317
111	Brass Surface Nanochemistry: The Role of Alloying Cu with Zn. Journal of Physical Chemistry C, 2008, 112, 7540-7543.	1.5	21
112	In Situ STM Study of the Surface Structure, Dissolution, and Early Stages of Electrochemical Oxidation of the Ag(111) Electrode. Journal of Physical Chemistry C, 2007, 111, 16351-16361.	1.5	37
113	Initial stages of oxidation of Cu(111). Surface Science, 2007, 601, 1193-1204.	0.8	119
114	Initial stages of oxidation of Cu0.7Zn0.3(111). Surface Science, 2007, 601, 4402-4406.	0.8	16
115	XPS study of the initial stages of oxidation of Î±2-Ti3Al and Î³-TiAl intermetallic alloys. Acta Materialia, 2007, 55, 3315-3325.	3.8	131
116	Nanostructural modifications of V2O5 thin films during Li intercalation studied in situ by AFM. Electrochemistry Communications, 2007, 9, 2448-2455.	2.3	38
117	Ageing of V2O5 thin films induced by Li intercalation multi-cycling. Journal of Power Sources, 2007, 170, 160-172.	4.0	32
118	XPS study of Li ion intercalation in V2O5 thin films prepared by thermal oxidation of vanadium metal. Electrochimica Acta, 2007, 52, 5644-5653.	2.6	124
119	Li-intercalation behaviour of vanadium oxide thin film prepared by thermal oxidation of vanadium metal. Electrochimica Acta, 2006, 51, 5001-5011.	2.6	42
120	Thin films of vanadium oxide grown on vanadium metal: oxidation conditions to produce V2O5 films for Li-intercalation applications and characterisation by XPS, AFM, RBS/NRA. Surface and Interface Analysis, 2006, 38, 6-18.	0.8	71
121	Reactivity to sulphur of clean and pre-oxidised Cu(111) surfaces. Surface Science, 2006, 600, 3540-3543.	0.8	8
122	In Situ STM Study of the Effect of Chloride on Passive Film on Nickel in Alkaline Solution. Journal of the Electrochemical Society, 2006, 153, B453.	1.3	51
123	Hydroxylation-induced modifications of the Al2O3/NiAl(001) surface at low water vapour pressure. Surface Science, 2005, 581, 88-104.	0.8	73
124	The growth of protective ultra-thin alumina layers on Î³-TiAl(111) intermetallic single-crystal surfaces. Surface Science, 2005, 596, 61-73.	0.8	43
125	In situ scanning tunnelling microscopic study of the initial stages of growth and of the structure of the passive film on Ni(111) in 1ÂmM NaOH(aq). Journal of Solid State Electrochemistry, 2005, 9, 337-346.	1.2	58
126	Effect of Platinum on the Growth Rate of the Oxide Scale Formed on Cast Nickel Aluminide Intermetallic Alloys. Oxidation of Metals, 2005, 64, 185-205.	1.0	58

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127	Effect of Pt Additions on the Sulfur Segregation, Void Formation and Oxide Scale Growth of Cast Nickel Aluminides. Materials Science Forum, 2004, 461-464, 247-254.	0.3	29
128	Self-assembling of atomic vacancies at an oxide/intermetallic alloy interface. Nature Materials, 2004, 3, 687-691.	13.3	103
129	XPS and STM study of the growth and structure of passive films in high temperature water on a nickel-base alloy. Electrochimica Acta, 2004, 49, 3957-3964.	2.6	245
130	In situ STM study of the duplex passive films formed on Cu(111) and Cu(001) in 0.1 M NaOH. Corrosion Science, 2004, 46, 245-264.	3.0	166
131	Title is missing!. Oxidation of Metals, 2003, 60, 159-178.	1.0	37
132	Title is missing!. Oxidation of Metals, 2003, 60, 137-157.	1.0	26
133	In situ STM study of the effect of chlorides on the initial stages of anodic oxidation of Cu(111) in alkaline solutions. Electrochimica Acta, 2003, 48, 1157-1167.	2.6	92
134	In situ STM study of the anodic oxidation of Cu(0 0 1) in 0.1 M NaOH. Journal of Electroanalytical Chemistry, 2003, 554-555, 113-125.	1.9	76
135	Initial Stages of Growth of Alumina on NiAl(001) at 1025 K. Journal of the American Ceramic Society, 2003, 86, 669-75.	1.9	58
136	Density Functional Theory Study of the Interaction of Cl[sup â^'] with Passivated Nickel Surfaces. Electrochemical and Solid-State Letters, 2003, 6, B47.	2.2	36
137	In Situ STM Study of the Initial Stages of Anodic Oxidation of Cu(111) in the Presence of Sulfates. Journal of the Electrochemical Society, 2003, 150, B316.	1.3	29
138	Atomic-scale investigation of the localized corrosion of passivated nickel surfaces. Surface and Interface Analysis, 2002, 34, 139-143.	0.8	31
139	Sulphur segregation on free and oxidized NiAl(001). Surface and Interface Analysis, 2002, 34, 400-404.	0.8	7
140	X-ray photoelectron spectroscopy study of thin oxide layers formed on (001)-oriented Î²-NiAl single-crystal surfaces. Surface and Interface Analysis, 2002, 34, 519-523.	0.8	29
141	In Situ Scanning Tunneling Microscopy Study of the Anodic Oxidation of Cu(111) in 0.1 M NaOH. Journal of Physical Chemistry B, 2001, 105, 4263-4269.	1.2	136
142	Hydroxylation of ultra-thin films of Î±-Cr2O3(0001) formed on Cr(110). Surface Science, 2001, 471, 43-58.	0.8	63
143	Preparation and characterization of an electronically conductive and chemically modified ultrafiltration type membrane. Journal of Membrane Science, 2001, 184, 165-173.	4.1	9
144	Initial and later stages of anodic oxide formation on Cu, chemical aspects, structure and electronic properties. Electrochimica Acta, 2001, 46, 3755-3766.	2.6	125

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145	Atomic Structure of Metastable Pits Formed on Nickel. Electrochemical and Solid-State Letters, 2001, 4, B1.	2.2	40
146	Surface Structure of Nickel in Acid Solution Studied by In Situ Scanning Tunneling Microscopy. Journal of the Electrochemical Society, 2000, 147, 1393.	1.3	99
147	XPS, LEED and STM study of thin oxide films formed on Cr(110). Surface Science, 2000, 458, 195-215.	0.8	96
148	In situ STM study of the initial stages of oxidation of Cu(111) in aqueous solution. Surface Science, 2000, 458, 185-194.	0.8	176
149	In Situ Scanning Tunneling Microscope Study of the Passivation of Cu(111). Journal of the Electrochemical Society, 1999, 146, 524-530.	1.3	65
150	In situ Scanning Tunneling Microscopy Study of the Structure of the Hydroxylated Anodic Oxide Film Formed on Cr(110) Single-Crystal Surfaces. Journal of Physical Chemistry B, 1999, 103, 7896-7905.	1.2	54
151	Surface hydroxylation and local structure of NiO thin films formed on Ni(111). Surface Science, 1998, 407, 36-58.	0.8	167
152	Local decomposition of NiO ultra-thin films formed on Ni(111). Surface Science, 1998, 411, 215-230.	0.8	52
153	Xâ€Ray Photoelectron Spectroscopy and Scanning Tunneling Microscopy Study of Passive Films Formed on (100) Feâ€18Crâ€13Ni Singleâ€Crystal Surfaces. Journal of the Electrochemical Society, 1998, 145, 909-920.	1.3	264
154	Low-coverage sulfur induced reconstruction of Ni(111). Surface Science, 1997, 373, 307-317.	0.8	33
155	STM, LEED and AES investigation of Mo enrichment on NiMo(110) single-crystal alloy surfaces. Surface Science, 1996, 352-354, 9-14.	0.8	2
156	XPS and STM Study of Passive Films Formed on Feâ€22Cr(110) Singleâ€Crystal Surfaces. Journal of the Electrochemical Society, 1996, 143, 1182-1200.	1.3	182
157	STM and AFM Studies of Passive Films. Materials Science Forum, 1995, 185-188, 221-232.	0.3	4
158	A scanning tunneling microscopy study of the structure of thin oxide films grown on Ni(111) single crystal surfaces by anodic polarization in acid electrolyte. Surface Science, 1994, 304, 98-108.	0.8	75
159	XPS and STM Investigation of the Passive Film Formed on Cr(110) Singleâ€Crystal Surfaces. Journal of the Electrochemical Society, 1994, 141, 3016-3027.	1.3	150
160	STM imaging in air with atomic resolution of adsorbates on metal surfaces: Pt(100)-c(2 Ã— 2)s. Surface Science, 1992, 262, L59-L64.	0.8	9
161	STM study of sputter-deposited Al clusters in chemical interaction with graphite (0001) surfaces. Surface Science, 1992, 275, 65-74.	0.8	23
162	Growth, structure and chemical properties of FeO overlayers on Pt(100) and Pt(111). Surface Science, 1992, 268, 170-178.	0.8	91

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163	The bonding of diethyl ether, ethanol and their fluorinated analogs to zirconium oxide thin films. Surface Science, 1991, 250, 99-111.	0.8	32
164	Theoretical investigation of the mechanisms for olefinic hydrogenation on platinum(110) and platinum(111) surfaces. The Journal of Physical Chemistry, 1990, 94, 8579-8588.	2.9	1
165	The epitaxial growth of zirconium oxide thin films on Pt(111) single crystal surfaces. Surface Science, 1990, 237, 116-126.	0.8	88
166	A theoretical investigation of the adsorption modes of ethene, 1,3-butadiene, 1-butene, and cis- and trans-2-butenes on the unreconstructed (110) surface of platinum. Langmuir, 1989, 5, 734-741.	1.6	27
167	The adsorption and coadsorption of sulfur and carbon monoxide on rhenium single crystal surfaces. Surface Science, 1988, 204, 1-25.	0.8	30
168	Interpretation of fractional-order Bragg reflections with zero intensity in LEED patterns. Surface Science, 1987, 187, 312-326.	0.8	20
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