

Shinji Fujimoto

List of Publications by Year in descending order

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165
papers

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236925

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166
times ranked

2434
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Properties of Iron-Oxide Scales on Si-Containing Steels at High Temperature. <i>Materials Transactions</i> , 2009, 50, 2242-2246.	1.2	208
2	XPS characterization of passive films formed on Type 304 stainless steel in humid atmosphere. <i>Corrosion Science</i> , 2012, 58, 62-68.	6.6	162
3	Semiconductive behavior of passive films formed on pure Cr and Fe-Cr alloys in sulfuric acid solution. <i>Electrochimica Acta</i> , 2002, 47, 4357-4366.	5.2	156
4	TiO ₂ Nanotubes – Annealing Effects on Detailed Morphology and Structure. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4351-4356.	2.0	129
5	Electrochemical study of Type 304 and 316L stainless steels in simulated body fluids and cell cultures. <i>Acta Biomaterialia</i> , 2006, 2, 709-715.	8.3	119
6	Semiconductor properties and protective role of passive films of iron base alloys. <i>Corrosion Science</i> , 2007, 49, 195-202.	6.6	112
7	Nanotube oxide coating on Ti-29Nb-13Ta-4.6Zr alloy prepared by self-organizing anodization. <i>Electrochimica Acta</i> , 2006, 52, 94-101.	5.2	98
8	Improvement of cell adhesion on poly(L-lactide) by atmospheric plasma treatment. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 112-118.	4.0	93
9	Nitrogen doped anodic TiO ₂ nanotubes grown from nitrogen-containing Ti alloys. <i>Electrochemistry Communications</i> , 2008, 10, 910-913.	4.7	73
10	Anodic oxide nanotube layers on Ti-Ta alloys: Substrate composition, microstructure and self-organization on two-size scales. <i>Corrosion Science</i> , 2009, 51, 1528-1533.	6.6	61
11	Aging behavior of ultrafine grained Al-2 wt%Cu alloy severely deformed by accumulative roll bonding. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 173-180.	6.1	57
12	Fabrication of aligned pores in aluminum by electrochemical dissolution of monotectic alloys solidified under a magnetic field. <i>Scripta Materialia</i> , 2006, 54, 527-532.	5.2	52
13	Growth and properties of Cr-rich thick and porous oxide films on Type 304 stainless steel formed by square wave potential pulse polarisation. <i>Electrochimica Acta</i> , 2001, 47, 543-551.	5.2	44
14	Semiconductive Properties of Passive Films Formed on Fe-18Cr in Borate Buffer Solution. <i>Journal of the Electrochemical Society</i> , 2004, 151, B39.	2.9	43
15	Environmental Factors Affecting Hydrogen Entry into High Strength Steel due to Atmospheric Corrosion. <i>Materials Transactions</i> , 2006, 47, 2956-2962.	1.2	43
16	Corrosion behaviour of Lotus-type porous high nitrogen nickel-free stainless steels. <i>Corrosion Science</i> , 2008, 50, 183-193.	6.6	37
17	Metallurgical aspects on the formation of self-organized anodic oxide nanotube layers. <i>Electrochimica Acta</i> , 2009, 54, 5155-5162.	5.2	37
18	Formation of self-organized pores on type 316 stainless steel in organic solvents. <i>Electrochimica Acta</i> , 2012, 82, 333-338.	5.2	36

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19	Transition in the nanoporous structure of iron oxides during the oxidation of iron nanoparticles and nanowires. <i>Acta Materialia</i> , 2009, 57, 4261-4266.	7.9	35
20	Influence of Oxidation Temperature and Cr Content on the Adhesion and Microstructure of Scale on Low Cr Steels. <i>Oxidation of Metals</i> , 2010, 73, 1-13.	2.1	35
21	Electrochemical noise analysis for estimation of corrosion rate of carbon steel in bicarbonate solution. <i>Corrosion Science</i> , 2003, 45, 2093-2104.	6.6	33
22	Strength of self-organized TiO ₂ nanotube arrays. <i>Acta Materialia</i> , 2010, 58, 4956-4967.	7.9	33
23	Fabrication of porous aluminum with deep pores by using Al-In monotectic solidification and electrochemical etching. <i>Materials Letters</i> , 2004, 58, 911-915.	2.6	31
24	The electrochemical conditions for coloured film formation on type 304 stainless steel with square wave polarization. <i>Corrosion Science</i> , 1993, 35, 147-152.	6.6	29
25	Colloidal Zn(Te,Se)/ZnS Core/Shell Quantum Dots Exhibiting Narrow-Band and Green Photoluminescence. <i>ACS Omega</i> , 2018, 3, 6703-6709.	3.5	29
26	Double Zincate Pretreatment of Sputter-Deposited Al Films. <i>Journal of the Electrochemical Society</i> , 2001, 148, C433.	2.9	26
27	Selective dissolution of nanolamellar Ti-41 at.% Al alloy single crystals. <i>Acta Materialia</i> , 2010, 58, 2876-2886.	7.9	25
28	Impedance and photoelectrochemical properties of porous oxide film on Type304 stainless steel formed by square wave potential pulse polarisation. <i>Journal of Electroanalytical Chemistry</i> , 1999, 473, 265-271.	3.8	23
29	Semiconductor properties of passive films formed on sputter-deposited Fe-18Cr alloy thin films with various additive elements. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 195-200.	6.1	23
30	Extremely high corrosion resistance of thin film stainless steels deposited by ion beam sputtering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 267, 314-318.	5.6	22
31	Photo Electrochemical Response of Passive Films Formed on Pure CR and Fe-Cr Alloys in Sulphuric Acid Solution. <i>Materials Science Forum</i> , 1998, 289-292, 989-996.	0.3	21
32	In situ X-ray diffraction of surface oxide on type 430 stainless steel in breakaway condition using synchrotron radiation. <i>Corrosion Science</i> , 2012, 55, 219-225.	6.6	19
33	Characterization of oxide films formed on Alloy 600 and Alloy 690 in simulated PWR primary water by using hard X-ray photoelectron spectroscopy. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3521-3531.	2.5	19
34	Morphological characterization of porous InP superlattices. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 119-123.	6.1	17
35	Nitrogen-doped TiO ₂ mesosponge layers formed by anodization of nitrogen-containing Ti alloys. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 89-92.	2.5	17
36	The step response function of anodic reaction induced by rapid straining on passive metals. <i>Corrosion Science</i> , 1990, 31, 643-648.	6.6	16

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37	Electrochemical conditions for environment-assisted cracking of 6061 Al alloy. <i>Corrosion Science</i> , 2005, 47, 2441-2449.	6.6	15
38	Semiconductive behavior of passive films formed on Fe-Cr alloy. <i>Journal of Electroceramics</i> , 2006, 16, 49-54.	2.0	15
39	Breakdown of Passive Films and Repassivation of Ti-6Al-4 V Alloy with Rapid Elongation in Simulated Body Fluid including Osteoblast-like Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, C576-C580.	2.9	13
40	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. <i>Materials Transactions</i> , 2014, 55, 1890-1894.	1.2	13
41	Degradation of Ti-6Al-4V alloy under cyclic loading in a simulated body environment with cell culturing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 56, 6-13.	3.1	13
42	Disorder and Structural Relaxation in Passive Films on Fe-Cr Alloys. <i>Materials Science Forum</i> , 1995, 185-188, 233-240.	0.3	12
43	Direct Plating of Electroless Ni-P Layers on Sputter-Deposited Al-Ni Alloy Films. <i>Journal of the Electrochemical Society</i> , 2003, 150, C461.	2.9	12
44	In vitro corrosion resistance of Lotus-type porous Ni-free stainless steels. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3385-3397.	3.6	12
45	Formation Process of Colored Films on SUS304 Stainless Steel with the Square Wave Potential Pulse Method. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 1991, 77, 1192-1197.	0.4	11
46	Effect of Cations on Protective Properties of Rust Layer Formed on Carbon Steel during Wet/Dry Cyclic Corrosion. <i>Materials Transactions</i> , 2020, 61, 506-514.	1.2	11
47	Growth Process of Passive Films on Austenitic Stainless Steels under Wet-dry Cyclic Condition. <i>ISIJ International</i> , 2012, 52, 1356-1361.	1.4	10
48	Selective pore growth on lamellar Ti-41at.%Al alloy. <i>Electrochemistry Communications</i> , 2013, 26, 117-120.	4.7	10
49	TiO ₂ nanotube layers with metallic nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009, 165, 012037.	0.4	9
50	Growth of nanotubular oxide layer on Ti-Ni alloys with different Ni contents. <i>Applied Surface Science</i> , 2016, 369, 430-435.	6.1	9
51	Atomic-Structure Characterization of Passive Film of Fe by Grazing Incidence X-ray Scattering at SPring-8. , 2006, , 95-100.		9
52	Modification of Passive Film Formed on an Fe-18Cr Alloy in Sulphuric Acid Solution by Ultra-violet Light Irradiation. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1999, 63, 375-382.	0.4	9
53	Straining Electrode Behavior of Fe-Cr and Ni-Cr Alloys in High Temperature and High Pressure Borate Buffer Solution. <i>Transactions of the Japan Institute of Metals</i> , 1987, 28, 424-433.	0.5	8
54	Current Status and Future of Studies on Corrosion of Carbon Steel in the Presence of Magnetite. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2005, 54, 2-8.	0.2	8

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55	Numerical Analysis Model of Galvanic Corrosion with Ion Movement and Reactions. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2009, 95, 144-153.	0.4	8
56	Repassivation Behavior of Newly Created Surface of Pure Nickel in High Temperature and High Pressure Neutral Solution. Transactions of the Japan Institute of Metals, 1987, 28, 224-231.	0.5	7
57	The Formation and Properties of a Thick Passive Film on Fe-Cr Alloys with Square Wave Potential Pulse Polarization. Materials Science Forum, 1995, 185-188, 741-748.	0.3	7
58	Anodic Porous and Tubular Oxide Layers on Ti Alloys. ECS Transactions, 2009, 16, 359-367.	0.5	7
59	Numerical Analysis of Galvanic Corrosion under a Thin Electrolyte Film. Zairyo To Kankyo/ Corrosion Engineering, 2011, 60, 333-341.	0.2	7
60	Detection of Welded Part of Type 304 Stainless Steel with the Scanning Vibrating Electrode Technique. Corrosion Engineering, 1990, 39, 303-308.	0.1	6
61	Crystallographic characterization of stress corrosion cracking initiation on type316L stainless steel in high temperature and high pressure water. Journal of Physics: Conference Series, 2009, 165, 012009.	0.4	6
62	Corrosion Products near the Shear Cut Edge of 55 mass% Al-Zn Alloy Coated Steel Sheets under Simulated Marine Atmospheric Environment. Zairyo To Kankyo/ Corrosion Engineering, 2010, 59, 468-477.	0.2	6
63	Passive Films on Iron Group Metals and Stainless Steel.. Hyomen Kagaku, 1998, 19, 812-818.	0.0	6
64	Analysis of Anodic Behavior of Iron Electrode in High Temperature and High Pressure Aqueous Solution by Straining Electrode. Corrosion Engineering, 1985, 34, 72-78.	0.1	5
65	Technical Note:Breakdown of Passivity on Pure Nickel by Sulfate Ion in High Temperature Aqueous Solution. Corrosion, 1985, 41, 177-179.	1.1	5
66	Two-Stage HNO3 Passivation Treatment for Improving the Pitting Corrosion Resistance of Type 304 Stainless Steel. Zairyo To Kankyo/ Corrosion Engineering, 1999, 48, 155-161.	0.2	5
67	Effect of Environmental Conditions on the Corrosion near Shear Cut Edge of 55 mass% Al-Zn Alloy Coated Steel Sheets. ISIJ International, 2011, 51, 462-470.	1.4	5
68	Structure and Corrosion Protection of Rust Layer Formed on Pre-rusted Carbon Steel Covered with the Reactive Paint Coating. Zairyo To Kankyo/ Corrosion Engineering, 2017, 66, 93-98.	0.2	5
69	Modification of Rust Layer on Carbon Steel with Reactive Actions of Metallic Cations for Improved Corrosion Protectiveness. Corrosion, 2020, 76, 335-343.	1.1	5
70	Corrosion behavior of carbon steel coated with a zinc-rich paint containing metallic compounds under wet and dry cyclic conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 1787-1795.	1.5	5
71	Suppression of Pitting Corrosion with Passive Film Modification on Type 304 Stainless Steel by Ultra-Violet Light Irradiation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1998, 62, 527-533.	0.4	5
72	Numerical Analysis Model of Galvanic Corrosion with Ion Movement and Reactions. ISIJ International, 2010, 50, 743-751.	1.4	5

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73	Influence of CaO/SiO ₂ on the Reduction Behavior of Sintered Fe ₂ O ₃ ·CaO·SiO ₂ ·Al ₂ O ₃ Tablets at the Softening and Melting Temperatures. ISIJ International, 2020, 60, 1479-1486.	1.4	5
74	An Experimental Investigation on Characteristics of the New Oscillating-plate Viscometer. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1985, 71, 1490-1496.	0.4	5
75	Stress Corrosion Cracking of SUS316L Stainless Steel in the Chloride Solution Containing Thiosulfate Ion by the Slow Strain Rate Technique. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 1511-1518.	0.4	5
76	Structural Analysis of Passive Films on Stainless Steel by Synchrotron Radiation. Zairyo To Kankyo/Corrosion Engineering, 2008, 57, 250-257.	0.2	5
77	Straining Electrode Behavior of Pure Iron in High Temperature and High Pressure Borate Buffer Solution. Transactions of the Japan Institute of Metals, 1987, 28, 319-326.	0.5	4
78	Electrochemical Behaviour of Lotus-Type Porous SUS304L and SUS316L Stainless Steels. Materials Transactions, 2006, 47, 2229-2232.	1.2	4
79	Electrochemical Characterization of Ti and Ti Base Alloys under Simulated Body Fluid Environment. Materials Science Forum, 2006, 512, 249-254.	0.3	4
80	Characterization of Reaction of Green Rust with Foreign Ions using X-ray Absorption Fine Structure. Zairyo To Kankyo/Corrosion Engineering, 2008, 57, 353-357.	0.2	4
81	Electrochemical Characterization of Passive Films on Ni-Based Alloys in Acidic and Neutral Solutions. Materials Transactions, 2015, 56, 593-599.	1.2	4
82	Evaluation of Cathodic Protection Under Disbonded Coating on Buried Steel Structures by Laboratory and Field Tests. Corrosion, 2016, 72, 1311-1322.	1.1	4
83	Corrosion Generation and Cleaning Effect on Surgical Instruments with Attached Radiofrequency Identification Tags in Long-Term Usage. Surgical Infections, 2019, 20, 665-671.	1.4	4
84	Numerical Analysis for Corrosion near Shear Cut Edge of Galvanic Steel Sheet. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2011, 97, 108-116.	0.4	4
85	Band structures of passive films on titanium in simulated biofluids determined by photoelectrochemical response: principle governing the biocompatibility. Science and Technology of Advanced Materials, 2022, 23, 322-331.	6.1	4
86	Straining Electrode Behavior of Pure Iron in High Temperature and High Pressure Aqueous Solution. Transactions of the Japan Institute of Metals, 1984, 25, 553-560.	0.5	3
87	Straining Electrode Behavior of Pure Nickel in High Temperature and High Pressure Aqueous Solution Containing Sulphate Ion. Corrosion Engineering, 1986, 35, 276-282.	0.1	3
88	The Effect of F ⁻ in the HNO ₃ Passivation Treatment for Improving the Pitting Resistance of Type 304 Stainless Steel. Zairyo To Kankyo/Corrosion Engineering, 1999, 48, 41-46.	0.2	3
89	Surface modification of Î²-Type titanium alloy by electrochemical potential pulse polarization. Journal of Physics: Conference Series, 2009, 165, 012007.	0.4	3
90	Formation of Nano-Structured Oxide Layers Formed on Ti-Fe Alloys by Anodization. Materials Transactions, 2016, 57, 519-524.	1.2	3

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91	Electrochemical Behavior of Type 304 Stainless Steel in Ionic Liquid Containing Small Amount of Water. <i>Journal of the Electrochemical Society</i> , 2016, 163, C506-C513.	2.9	3
92	Fabrication of Titania Nanotube Arrays by Anodization and Their Functionalization. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2016, 67, 520-526.	0.2	3
93	Stress corrosion cracking of copper in swollen bentonite simulating nuclear waste disposal environment. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 333-338.	1.5	3
94	Numerical Simulation of Tribocorrosion of CoCr Alloy and Ti with Galvanic Coupling in Simulated Body Fluid. <i>Materials Transactions</i> , 2021, 62, 1489-1494.	1.2	3
95	Corrosion Behavior under Black Deposit on Low Cr Bearing Steels in NaCl Completion Fluid. <i>ISIJ International</i> , 2008, 48, 1758-1765.	1.4	3
96	Dissolution and Repassivation with Passivity Breakdown of Various Metallic Biomaterials in Bio-Mechano-Chemical Environment. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 981-988.	0.2	3
97	I. Fundamental Electrochemistry of Corrosion. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2017, 66, 317-325.	0.2	3
98	Stress and Adhesion of Protective Oxide Scales on Stainless Steels and RE Effects. <i>ISIJ International</i> , 2019, 59, 1642-1649.	1.4	3
99	Scanning Vibrating Electrode Technique. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 1993, 42, 797-804.	0.2	2
100	Effect of Photo Irradiation on Corrosion Behaviour and Modification of Passive Films by Ultra-Violet Light. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2002, 51, 453-457.	0.2	2
101	Passivity Breakdown and Repassivation on TiNi During Rapid Straining Accompanying Martensitic Phase Transformation. <i>ECS Transactions</i> , 2009, 16, 233-238.	0.5	2
102	Dye-Sensitized TiO ₂ Nanotubes with Ag Nanoparticles. <i>ECS Transactions</i> , 2009, 16, 261-266.	0.5	2
103	Cell Activity on Type 316L Stainless Steel with Self-Organized Nanopores Formed by Anodic Polarization. <i>Materials Transactions</i> , 2016, 57, 2065-2071.	1.2	2
104	Structure of Corrosion Product Formed on Carbon Steel Covered with NiSO ₄ -Added Resin Coating under Sulfuric Acid Mist Environment Containing Chloride. <i>Materials Transactions</i> , 2021, 62, 781-787.	1.2	2
105	Semiconductor Property of Passive Films and Corrosion Behavior of Fe-Cr Alloys. , 2006, , 33-49.		2
106	Effect of CaCl ₂ concentration on the probability distribution of stress corrosion cracking failure time of Type 304 stainless steel.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 1987, 36, 65-71.	0.2	2
107	Corrosion Behavior of Rusted Carbon Steel Coated with a Paint Containing Metallic Salt under Wet and Dry Cyclic Condition. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2020, 69, 797-803.	0.2	2
108	In Situ Observation of Corrosion Products and Surface Changes in Elevated Temperature and Pressure Solutions by Micro-Raman Spectroscopic Method. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2011, 60, 445-448.	0.2	2

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109	Structure of Corrosion Product Formed on Carbon Steel Covered with NiSO ₄ -added Resin Coating under Sulfuric Acid Mist Environment Containing Chloride. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2020, 69, 148-153.	0.2	2
110	Mechano-Chemical Polishing of Alloy 600 for Accelerated Crack Initiation in Simulated PWR Primary Water Environment and Three-Dimensional Crystallographic Characterization. <i>Materials Transactions</i> , 2020, 61, 1339-1345.	1.2	2
111	Application of the Scanning Vibrating Electrode Technique to Corrosion Fatigue. <i>Corrosion Engineering</i> , 1986, 35, 566-573.	0.1	1
112	Evaluation of Stress Corrosion Cracking Susceptibility of Type 304 Stainless Steel by Controlled Potential SSRT. <i>Corrosion Engineering</i> , 1988, 37, 138-143.	0.1	1
113	Scanning laser enhanced electrochemical microscopy for characterizing localized corrosion. <i>Corrosion Science</i> , 1991, 32, 669-672.	6.6	1
114	Effect of Environmental Factors for the Corrosion Behavior of Stainless Steels Exposed in River. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2005, 54, 106-112.	0.2	1
115	Atmospheric Corrosion of Electroplated Cu Thin Film in Moist Oxygen Environment. <i>ECS Transactions</i> , 2006, 1, 243-247.	0.5	1
116	Corrosion Behavior and Bio-Compatibility of Lotus type Porous Stainless Steels. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2014, 63, 365-370.	0.2	1
117	Structural Changes of Passive Films during Cyclic Polarization of Stainless Steels in EMI-TFSI Ionic Liquid. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2016, 65, 520-526.	0.2	1
118	Cell Activity on Type 316L Stainless Steel with Self-Organized Nanopores Formed by Anodic Polarization. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2018, 82, 269-276.	0.4	1
119	Controlling the electrical conductivity of ternary wurtzite-type and metastable \hat{I}^2 -AgGaO ₂ by impurity doping. <i>AIP Advances</i> , 2018, 8, 085203.	1.3	1
120	Fast Current-Controlled Polarization for the Analysis of Rapid Cathodic Process on Anodized Metal. <i>Journal of the Electrochemical Society</i> , 2019, 166, C3443-C3447.	2.9	1
121	Effects of Environmental Factors on Hydrogen Absorption and Sulfide Stress Cracking Susceptibility of Low Alloy Steel. <i>Corrosion</i> , 2020, 76, 698-706.	1.1	1
122	Inhibition of Pit Generation on SUS304 Stainless Steel in Chloride Solution by Ultra-Violet Light Irradiation. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1997, 61, 249-250.	0.4	1
123	Formation and Properties of Ti-rich Oxide Layer on Fe-Ti Alloys by Square Wave Potential Pulse Polarization. <i>Electrochemistry</i> , 1999, 67, 1156-1158.	1.4	1
124	Fabrication of Porous Aluminium and Copper Media by Using Monotectic Solidification under a Magnetic Field. <i>Materials Science Forum</i> , 0, , 289-294.	0.3	1
125	Formation of Nanotubular Films Based on Anodization of Ti and Ti Alloys. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018, 69, 600-604.	0.2	1
126	Numerical Simulation of Tribocorrosion of CoCr Alloy and Ti with Galvanic Coupling in Simulated Body Fluid. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2020, 69, 769-774.	0.2	1

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127	Formation of titania nanotubes by anodization of Ti and its alloys and their biomedical applications. <i>Denki Kagaku</i> , 2021, 89, 334-339.	0.0	1
128	Noise Analysis of Corrosion Potential of Type 304 Stainless Steel in MgCl ₂ Solution. <i>Corrosion Engineering</i> , 1989, 38, 155-160.	0.1	0
129	Corrosion Behaviour of Chromium Implanted Type 304 Stainless Steel. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 1995, 44, 101-103.	0.2	0
130	Photoelectrochemical Response and Corrosion Property of Passive Films on Fe-18Cr Alloy. , 2006, , 285-290.		0
131	Degradation of the Mechanical Strength of Al Alloys by Electrochemically Introduced Hydrogen. <i>ECS Transactions</i> , 2006, 3, 185-190.	0.5	0
132	Fabrication of Porous Aluminium and Copper Media by Using Monotectic Solidification under a Magnetic Field. <i>Materials Science Forum</i> , 2006, 512, 289-294.	0.3	0
133	Initial Stage of SCC of Type 316L Stainless Steel in High Temperature and High Pressure Aqueous Solution. <i>ECS Transactions</i> , 2009, 16, 227-231.	0.5	0
134	Effect of Alloying Elements on Electrochemical Behavior of Fe-18Cr Alloy. <i>ECS Transactions</i> , 2009, 16, 313-319.	0.5	0
135	Formation of Oxide Nanotubes and Bamboo-Like Structures via Oxidation of Cu, Fe and Ni Nanowires. <i>Materials Science Forum</i> , 2010, 658, 232-235.	0.3	0
136	Advanced Analysis of Surface Films Formed on Passive Metals and Alloys Using X-ray Photoelectron Spectroscopy. , 2013, , 69-81.		0
137	Probabilistic Study of SCC Initiation Stage Based on Statistical Analysis in 316L Austenitic Stainless Steel. , 2013, , .		0
138	Electrochemical Behavior of Type 316L Stainless Steel during Cyclic Deformation under Cell Culturing. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015, 79, 303-307.	0.4	0
139	Electrochemical Properties of Oxide Films Formed on Cold Worked Alloy600 and Alloy690 in Simulated PWR Primary Water Environments. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2015, 64, 501-507.	0.2	0
140	Anodization of Aluminum in Contact with Solid Electrolyte Containing Ionic Liquids. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2017, 68, 106-112.	0.2	0
141	Drug Release Characteristic of Type 316L Stainless Steel with Self-Organized Nanopores. <i>Journal of Smart Processing</i> , 2021, 10, 256-260.	0.1	0
142	TEM Observation of the Initial Stages of Oxidation on TiAl and TiAl-0.2Zr Intermetallic Compounds. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000, 64, 502-507.	0.4	0
143	Crystallographical Characterization of Initiation of Intergranular Stress Corrosion Cracking of Alloy 600 in PWR Environment. , 2011, , 1685-1698.		0
144	Changes in a Last Decade. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2012, 61, 413.	0.2	0

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145	Effect of Trace Amounts of Salts on Properties of Passive Films Formed on SUS 304 Stainless Steel under Atmospheric Environment. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2013, 62, 148-152.	0.2	0
146	Long-Term Evaluation of the Protective Effect against Interference Corrosion Inside High-Temperature and High-Pressure Water Pipelines. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 989-996.	0.2	0
147	Fatigue of Metallic Biomaterials. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2018, 69, 346-350.	0.2	0
148	Corrosion Behavior of Carbon Steel Coated with a Zinc-Rich Paint Containing Aluminum Sulfate and Barium Oxide under Wet and Dry Cyclic Conditions. <i>Zairyo To Kankyo/ Corrosion Engineering</i> , 2021, 70, 327-333.	0.2	0
149	Cathodic Polarization Behavior of Rusted Carbon Steels Exposed to Atmospheric Environment for Different Duration. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1314-1314.	0.0	0
150	Anodization of Titanium at Elevated Temperatures in Fluoride-Free Electrolytes. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1158-1158.	0.0	0
151	(Invited) Structural Analysis of Rust Layer Formed on Carbon Steel Exposed to Atmospheric Corrosion Environments Using Synchrotron Radiation X-Rays. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1289-1289.	0.0	0
152	Effects of Oxygen on Corrosion Behavior of Pure Copper in Simulated Geological Disposal Environments. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1155-1155.	0.0	0
153	Numerical Simulation of Cathodic Process on Pure Titanium in a Simulated Body Fluid. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1157-1157.	0.0	0
154	(Invited) Characterization of Cathodic Properties of Anodized Titanium By a Fast Current-Controlled Polarization. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1244-1244.	0.0	0
155	Growth of Anodic TiO ₂ Nanotube Layers on Heat-Treated Titanium. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1201-1201.	0.0	0
156	Effects of Dissolved Oxygen Concentration in Electrolyte Film on Atmospheric Corrosion of Carbon Steel. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1305-1305.	0.0	0
157	Effects of Cathodic Process on Corrosion Fatigue of Type 316L Stainless Steel in 0.9 % NaCl Solution. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1309-1309.	0.0	0
158	Effects of Pulse Current on Proliferation Behavior and Activity of Osteoblast-like Cells on Pure Titanium. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1151-1151.	0.0	0
159	Reduction Behavior of Rusted Carbon Steel in Metallic Cation-Containing Solutions. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1159-1159.	0.0	0
160	Numerical Simulation of Tribocorrosion of Titanium with Galvanic Couple in Simulated Body Fluid. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1252-1252.	0.0	0
161	Electric Resistance Measurements of Anodic Oxide Films on Titanium and Zirconium. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1156-1156.	0.0	0
162	(Invited) Anodic Growth of Oxide Nanotube Layers on Titanium Alloys. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1241-1241.	0.0	0

#	ARTICLE	IF	CITATIONS
163	Corrosion Behavior of Rusted Carbon Steel Coated with Reactive Paint Under Wet and Dry Cyclic Condition. ECS Meeting Abstracts, 2020, MA2020-02, 1338-1338.	0.0	0
164	Corrosion Resistance of Titanium. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2022, 73, 33-37.	0.2	0
165	Dissolution and Repassivation of Metallic Biomaterials in Bio-mechanochemical Environment. Materia Japan, 2022, 61, 393-398.	0.1	0