# Yu Sugawara

List of Publications by Year
in descending order



| 132 | 1,811 | 218592 | 315616 |
|---|---|---|---|
| papers | citations | 26 h-index | 38 g-index |

| 132 | 132 | 132 | 1149 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dissolution Mechanism of Platinum in Sulfuric Acid Solution. Journal of the Electrochemical Society, 2012, 159, F779-F786. | 1.3 | 124 |
| 2 | Pit Initiation Mechanism at MnS Inclusions in Stainless Steel: Synergistic Effect of Elemental Sulfur and Chloride Ions. Journal of the Electrochemical Society, 2013, 160, C511-C520. | 1.3 | 115 |
| 3 | A Microelectrochemical System for In Situ High-Resolution Optical Microscopy: Morphological Characteristics of Pitting at MnS Inclusion in Stainless Steel. Journal of the Electrochemical Society, 2012, 159, C341-C350. | 1.3 | 92 |
| 4 | Fabrication of nanoporous copper by dealloying amorphous binary Tiâ€“Cu alloys in hydrofluoric acid solutions. Intermetallics, 2012, 29, 14-20. | 1.8 | 62 |
| 5 | Pit initiation on sensitized Type 304 stainless steel under applied stress: Correlation of stress, Cr-depletion, and inclusion dissolution. Corrosion Science, 2020, 167, 108506. | 3.0 | 54 |
| 6 | Effect of atmospheric aging on dissolution of MnS inclusions and pitting initiation process in type 304 stainless steel. Corrosion Science, 2016, 106, 25-34. | 3.0 | 51 |
| 7 | EQCM Study on Dissolution of Ruthenium in Sulfuric Acid. Journal of the Electrochemical Society, 2008, 155, B897. | 1.3 | 48 |
| 8 | Morphological Characteristics of Trenching around MnS Inclusions in Type 316ÂStainless Steel: The Role of Molybdenum in Pitting Corrosion Resistance. Journal of the Electrochemical Society, 2019, 166, C3081-C3089. | 1.3 | 44 |
| 9 | Direct Observation of Pit Initiation Process on Type 304 Stainless Steel. Materials Transactions, 2014, 55, 857-860. | 0.4 | 43 |
| 10 | Microelectrochemical Aspects of Interstitial Carbon in Type 304 Stainless Steel: Improving Pitting Resistance at MnS Inclusion. Journal of the Electrochemical Society, 2015, 162, C270-C278. | 1.3 | 41 |
| 11 | Simultaneous visualization of pH and Clâ¯ distributions inside the crevice of stainless steel. Corrosion Science, 2016, 106, 298-302. | 3.0 | 40 |
| 12 | Fabrication of nanoporous copper by dealloying of amorphous Tiâ€“Cuâ€“Ag alloys. Journal of Alloys and Compounds, 2014, 586, S134-S138. | 2.8 | 39 |
| 13 | Real-Time Microelectrochemical Observations of Very Early Stage Pitting on Ferrite-Pearlite Steel in Chloride Solutions. Journal of the Electrochemical Society, 2017, 164, C261-C268. | 1.3 | 39 |
| 14 | Improvement of Pitting Corrosion Resistance of Type 316L Stainless Steel by Potentiostatic Removal of Surface MnS Inclusions. International Journal of Corrosion, 2012, 2012, 1-6. | 0.6 | 37 |
| 15 | Effects of Corrosion and Cracking of Sulfide Inclusions on Pit Initiation in Stainless Steel. Journal of the Electrochemical Society, 2014, 161, C494-C500. | 1.3 | 37 |
| 16 | Effectiveness of an intercritical heat-treatment on localized corrosion resistance at the microstructural boundaries of medium-carbon steels. Corrosion Science, 2019, 154, 159-177. | 3.0 | 37 |
| 17 | Visualization of pH and pCl Distributions: Initiation and Propagation Criteria for Crevice Corrosion of Stainless Steel. Journal of the Electrochemical Society, 2012, 159, C289-C297. | 1.3 | 36 |
| 18 | Nanoporous palladium fabricated from an amorphous Pd42.5Cu30Ni7.5P20 precursor and its ethanol electro-oxidation performance. Electrochimica Acta, 2013, 108, 512-519. | 2.6 | 36 |

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|---|---|---|---|
| 19 | Pitting Corrosion Resistance of Martensite of AISI 1045 Steel and the Beneficial Role of Interstitial Carbon. Journal of the Electrochemical Society, 2017, 164, C962-C972. | 1.3 | 36 |
| 20 | Effects of the initial microstructure of Tiâ€“Cu alloys on final nanoporous copper via dealloying. Journal of Alloys and Compounds, 2013, 557, 166-171. | 2.8 | 32 |
| 21 | Bimodal nanoporous nickel prepared by dealloying Ni38Mn62 alloys. Intermetallics, 2012, 31, 157-164. | 1.8 | 31 |
| 22 | Pitting at inclusions of the equiatomic CoCrFeMnNi alloy and improving corrosion resistance by potentiodynamic polarization in H2SO4. Corrosion Science, 2021, 191, 109748. | 3.0 | 31 |
| 23 | Elaboration of nanoporous copper by modifying surface diffusivity by the minor addition of gold. Microporous and Mesoporous Materials, 2013, 165, 257-264. | 2.2 | 30 |
| 24 | The Role of Oxide Films on TiS and Ti<sub>4</sub>C<sub>2</sub>S<sub>2</sub>Inclusions in the Pitting Corrosion Resistance of Stainless Steels. Journal of the Electrochemical Society, 2013, 160, C262-C269. | 1.3 | 29 |
| 25 | In situ monitoring of crevice corrosion morphology of Type 316L stainless steel and repassivation behavior induced by sulfate ions. Corrosion Science, 2017, 127, 131-140. | 3.0 | 29 |
| 26 | Passivity of (Mn,Cr)S inclusions in type 304 stainless steel: The role of Cr and the critical concentration for preventing inclusion dissolution in NaCl solution. Corrosion Science, 2020, 176, 109060. | 3.0 | 28 |
| 27 | Nickel-stabilized nanoporous copper fabricated from ternary TiCuNi amorphous alloys. Materials Letters, 2013, 94, 128-131. | 1.3 | 27 |
| 28 | Effects of pH on Dissolution and Surface Area Loss of Platinum Due to Potential Cycling. Journal of the Electrochemical Society, 2012, 159, C190-C194. | 1.3 | 26 |
| 29 | Local Electrochemistry and In Situ Microscopy of Pitting at Sensitized Grain Boundary of Type 304 Stainless Steel in NaCl Solution. Journal of the Electrochemical Society, 2017, 164, C779-C787. | 1.3 | 25 |
| 30 | First-principles analysis of the inhibitive effect of interstitial carbon on an active dissolution of martensitic steel. Corrosion Science, 2020, 163, 108251. | 3.0 | 25 |
| 31 | Cerium addition to CaS inclusions in stainless steel: Insolubilizing water-soluble inclusions and improving pitting corrosion resistance. Corrosion Science, 2021, 180, 109222. | 3.0 | 25 |
| 32 | Dealloying behavior of amorphous binary Tiâ€“Cu alloys in hydrofluoric acid solutions at various temperatures. Journal of Alloys and Compounds, 2013, 581, 567-572. | 2.8 | 23 |
| 33 | Anodic Polarization Characteristics and Electrochemical Properties of Fe<sub>3</sub>C in Chloride Solutions. Journal of the Electrochemical Society, 2019, 166, C345-C351. | 1.3 | 22 |
| 34 | Micro-electrochemical investigation on the role of Mg in sacrificial corrosion protection of 55mass%Al-Zn-Mg coated steel. Corrosion Science, 2017, 129, 126-135. | 3.0 | 20 |
| 35 | Artificial MnS Inclusions in Stainless Steel: Fabrication by Spark Plasma Sintering and Corrosion Evaluation by Microelectrochemical Measurements. ISIJ International, 2020, 60, 196-198. | 0.6 | 20 |
| 36 | Fabrication of Ultrafine Nanoporous Copper by the Minor Addition of Gold. Materials Transactions, 2012, 53, 1765-1769. | 0.4 | 19 |

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|---|---|---|---|
| 37 | Improving Pitting Corrosion Resistance at Inclusions and Ductility of a Martensitic Medium-Carbon Steel: Effectiveness of Short-Time Tempering. Journal of the Electrochemical Society, 2018, 165, C711-C721. | 1.3 | 19 |
| 38 | Mechanism for the Morphological Change from Trenching to Pitting around Intermetallic Particles in AA1050 Aluminum. Journal of the Electrochemical Society, 2019, 166, C19-C32. | 1.3 | 18 |
| 39 | The role of applied stress in the anodic dissolution of sulfide inclusions and pit initiation of stainless steels. Corrosion Science, 2021, 183, 109312. | 3.0 | 18 |
| 40 | Effect of anodizing on galvanic corrosion resistance of Al coupled to Fe or type 430 stainless steel in diluted synthetic seawater. Corrosion Science, 2021, 179, 109145. | 3.0 | 17 |
| 41 | A Methodology for Fabrication of Highly Pitting Corrosion-Resistant Type 304 Stainless Steel by Plasma Carburizing and Post-Pickling Treatment. Journal of the Electrochemical Society, 2018, 165, C441-C449. | 1.3 | 16 |
| 42 | Pitting at the Î´/Î³ Boundary of Type 304 Stainless Steel in NaCl Solution: The Role of Oxide Inclusions and Segregation. Journal of the Electrochemical Society, 2017, 164, C991-C1002. | 1.3 | 14 |
| 43 | Morphological Change and Open-circuit Potential of Single Metastable Pit on AA1050 Aluminum in NaCl Solution. Journal of the Electrochemical Society, 2021, 168, 021504. | 1.3 | 14 |
| 44 | Roles of Interstitial Nitrogen, Carbon, and Boron in Steel Corrosion: Generation of Oxyanions and Stabilization of Electronic Structure. Journal of the Electrochemical Society, 2020, 167, 081503. | 1.3 | 13 |
| 45 | Effect of Sensitization on Pitting Corrosion at MnS and CrS in Type 304 Stainless Steel. Journal of the Electrochemical Society, 2021, 168, 091504. | 1.3 | 13 |
| 46 | Micro-Electrochemical Properties of CeS Inclusions in Stainless Steel and Inhibiting Effects of Ce<sup>3+</sup>Ions on Pitting. Journal of the Electrochemical Society, 2017, 164, C901-C910. | 1.3 | 12 |
| 47 | Galvanic Corrosion of AA5083/Fe in Diluted Synthetic Seawater: Effect of Anodizing on Local Electrochemistry on and around Al<sub> <sub>6</sub> </sub>(Fe,Mn) on Al-Matrix. Journal of the Electrochemical Society, 2022, 169, 020550. | 1.3 | 12 |
| 48 | Dependency of the formation of Au-stabilized nanoporous copper on the dealloying temperature. Microporous and Mesoporous Materials, 2014, 186, 181-186. | 2.2 | 11 |
| 49 | Relationships between Pitting Corrosion Potentials and MnS Dissolution of 5â€“18 Mass% Cr Steels. Journal of the Electrochemical Society, 2018, 165, C732-C742. | 1.3 | 11 |
| 50 | Beneficial role of retained austenite in pitting corrosion resistance of Fe-C-Si-Mn steel in chloride environments. Corrosion Science, 2022, 200, 110251. | 3.0 | 11 |
| 51 | Detection of Hydrogen Distribution in Pure Iron Using WO<sub>3</sub> Thin Film. ISIJ International, 2018, 58, 1860-1867. | 0.6 | 10 |
| 52 | Real-time in situ observation of the corrosion process of die-cast AZ91D magnesium alloy in NaCl solutions under galvanostatic polarization. Corrosion Science, 2021, 192, 109834. | 3.0 | 10 |
| 53 | First-Principles Investigation on Work Function of Martensitic Carbon Steels: Effect of Interstitial Carbon on Anodic Dissolution Resistance. Journal of the Electrochemical Society, 2021, 168, 111503. | 1.3 | 10 |
| 54 | High-Temperature Heat-Treatment at 1673 K: Improvement of Pitting Corrosion Resistance at Inclusions of Type 304 Stainless Steel under Applied Stress. Materials Transactions, 2022, 63, 265-268. | 0.4 | 10 |

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| 55 | A Microelectrochemical Approach to Understanding Hydrogen Absorption into Steel during Pitting Corrosion. ISIJ International, 2016, 56, 495-497. | 0.6 | 9 |
| 56 | Dealloying Behaviours of an Equiatomic TiCu Alloy. Materials Transactions, 2013, 54, 1120-1125. | 0.4 | 8 |
| 57 | Improving the Pitting Corrosion Resistance of AA1050 Aluminum by Removing Intermetallic Particles during Conversion Treatments. Materials Transactions, 2021, 62, 1160-1167. | 0.4 | 8 |
| 58 | Formation of Pt Skin Layer on Ordered and Disordered Pt-Co Alloys and Corrosion Resistance in Sulfuric Acid. Electrocatalysis, 2018, 9, 539-549. | 1.5 | 7 |
| 59 | Elucidating Electrochemical Properties at the Boundary between MnS and Steel Matrix: Towards the Improvement of Pitting Corrosion Resistance of Stainless Steels. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2019, 105, 207-214. | 0.1 | 7 |
| 60 | A Corrosion Resistant Sintered Stainless Steel: Type 304L Containing Mo-Rich Phases. Materials Transactions, 2020, 61, 2248-2251. | 0.4 | 7 |
| 61 | Evaluation of the optimal exposure settings for occlusal photography with digital cameras. Pediatric Dental Journal, 2014, 24, 89-96. | 0.3 | 6 |
| 62 | Challenges and Prospects in Corrosion Science and Technology. Materia Japan, 2017, 56, 175-179. | 0.1 | 6 |
| 63 | NH<sub>4</sub><sup>+</sup> Generation: The Role of NO<sub>3</sub><sup>â^'</sup> in the Crevice Corrosion Repassivation of Type 316L Stainless Steel. Journal of the Electrochemical Society, 2019, 166, C250-C260. | 1.3 | 6 |
| 64 | Microelectrochemistry of Sulfide Inclusions and Pit Initiation Mechanisms of Stainless Steels. Hyomen Kagaku, 2015, 36, 18-23. | 0.0 | 5 |
| 65 | Micro-ElectrochemicalIn SituObservation of Pit Initiation at Precipitates in AA5182 Al-Mg Alloy in 0.1 M NaCl. ECS Transactions, 2017, 80, 553-564. | 0.3 | 5 |
| 66 | Effect of Impurity Elements on Localized Corrosion of Zirconium in Chloride Containing Environment. Journal of the Electrochemical Society, 2020, 167, 141507. | 1.3 | 5 |
| 67 | Effect of Applied Stress on Pitting Corrosion Behavior of Type 304 Stainless Steel in Chloride Environment. ECS Transactions, 2017, 80, 1407-1413. | 0.3 | 4 |
| 68 | Roles of Alloying Elements in the Corrosion Resistance of Equiatomic CoCrFeMnNi High-Entropy Alloy and Application to Corrosion-Resistant Alloy Design. Materials Transactions, 2021, 62, 1677-1680. | 0.4 | 4 |
| 69 | High-Temperature Annealing of Ferritic Stainless Steel: Modification of Sulfide Inclusion Properties and Inhibition of Inclusion Dissolution. Zairyo To Kankyo/ Corrosion Engineering, 2020, 69, 194-198. | 0.0 | 4 |
| 70 | Nanoporous Copper Dealloyed from a Nanocrystallized Ticu Alloy. Materials Science Forum, 2013, 750, 72-75. | 0.3 | 3 |
| 71 | Microelectrochemical Study on the Surface Oxidation of Pt: The Effects of Crystal Orientation and Grain Boundary. Materials Transactions, 2014, 55, 735-738. | 0.4 | 3 |
| 72 | Effect of Phosphate and Chromate Pigments on Sacrificial Corrosion Protection by Alâ€“Zn Coating and Delamination Mechanism of Pre-painted Galvalume Steel. ISIJ International, 2016, 56, 2267-2275. | 0.6 | 3 |

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| 73 | â…¢. Advanced Electrochemical Methods for Corrosion Studyâ€•Micro-scale Polarizationâ€•. Zairyo To Kankyo/ Corrosion Engineering, 2018, 67, 197-203. | 0.0 | 3 |
| 74 | Visualization of Solution Chemistry inside Crevice by pH and pCl Sensing Plates. ECS Transactions, 2012, 41, 205-216. | 0.3 | 2 |
| 75 | Uniform Evolution of Nanoporosity on Amorphous Tiâ€“Cu Alloys. Journal of Nanoscience and Nanotechnology, 2014, 14, 7879-7883. | 0.9 | 2 |
| 76 | Corrosion Resistance of a Free-Cutting Soft-Magnetic Stainless Steel in Pure Water. Materials Transactions, 2015, 56, 1814-1820. | 0.4 | 2 |
| 77 | Improved Responsivity and Sensitivity of Hydrogen Mapping Technique in Pure Iron Using WO<sub>3</sub> Thin Film by Control of Pd Intermediate Layer. ISIJ International, 2021, 61, 1201-1208. | 0.6 | 2 |
| 78 | Role of CaS Inclusions in Pitting Initiation of Carbon Steel: Triggering Steel Depassivation. ISIJ International, 2022, 62, 750-757. | 0.6 | 2 |
| 79 | Development of a New Microelectrochemical Measurement System for In Situ Optical Microscopic Observation of Pit Initiation Processes. ECS Transactions, 2012, 41, 237-245. | 0.3 | 1 |
| 80 | Electrochemical Roles of Anti-corrosive Pigments in Sacrificial Corrosion Protection of Painted Galvanized Steel and their Relation to Organic Coating Delamination. ISIJ International, 2015, 55, 2443-2449. | 0.6 | 1 |
| 81 | Electrochemical Passivation for Sm2Fe17N3 Magnetic Powders in Non-Aqueous Solvents. Electrochimica Acta, 2017, 224, 386-396. | 2.6 | 1 |
| 82 | Observations on Pit Initiation Behavior of Carbon Steel Using Microelectrochemical System with Confocal Laser Scanning Microscopy. Zairyo To Kankyo/ Corrosion Engineering, 2018, 67, 497-501. | 0.0 | 1 |
| 83 | Electrochemical Properties of Microstructures of Carbon Steels and Metallurgical Approaches for Improving Corrosion Resistance. Materia Japan, 2021, 60, 784-792. | 0.1 | 1 |
| 84 | Effect of Ni Addition on Corrosion Behavior of Weathering Steels Under Rust Layers in a Wet-Dry Cyclic Environment Containing Chloride Ions. ECS Meeting Abstracts, 2020, MA2020-02, 3562-3562. | 0.0 | 1 |
| 85 | â…¢. Advanced Electrochemical Methods for Corrosion Studyâ€•Electrochemical Quartz Crystal Microbalanceâ€•. Zairyo To Kankyo/ Corrosion Engineering, 2018, 67, 156-161. | 0.0 | 0 |
| 86 | Micro-electrochemical Properties and Pitting Corrosion Resistance of Microstructures of Carbon Steels. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, 107, . | 0.1 | 0 |
| 87 | Role of CaS Inclusions in Pitting Initiation of Carbon Steel: Triggering Steel Depassivation. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2021, , . | 0.1 | 0 |
| 88 | 141 Study of Methanol Fueled Single-Chamber SOFC for Intermediate-Temperature Operation. The Proceedings of Conference of Tohoku Branch, 2011, 2011.46, 86-87. | 0.0 | 0 |
| 89 | Change in pH and Chloride Concentration inside Crevice of Stainless Steels. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 90 | Effects of Severe Plastic Deformation and Interstitial Carbon on Corrosion Resistance of Steel. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |

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| 91 | The Role of Nitrate Ions in Repassivation of Crevice Corrosion on Type 316L Stainless Steel. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 92 | Effect of Applied Stress on Pit Initiation of Sensitized Type 304 Stainless Steel in Chloride Solution. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 93 | The Role of Pitting at Mns Inclusions in Intergranular Corrosion of Sensitized Type 304 Stainless Steel in NaCl Solution. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 94 | In Situ Microscopic Observation of Pitting Corrosion Behavior of A1050-O. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 95 | Effect of Molybdenum on Pit Initiation at Manganese Sulfide Inclusions in Stainless Steel. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 96 | The Effect of Interstitial Carbon on Pitting Corrosion Resistance of Martensitic Carbon Steels. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 97 | Spatially-Resolved Detection of Hydrogen Absorbed into Pure Iron Using Electrochromic Tungsten Oxide Thin Film. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 98 | Visualization of Potential Distribution inside Crevice of Type 430 and 304 Stainless Steels. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 99 | The Effect of Heat-Treatments on Corrosion Resistance of Martensitic Stainless Steel. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 100 | Galvanic Corrosion Processes of Aluminum Coupled to Iron in Chloride Solutions at Near-Neutral pH. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 101 | Pit Initiation Behavior at Sulfide Particles in Sintered Stainless Steels. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 102 | First-Principles Investigation of the Effect of Interstitial Carbon on Corrosion Resistance of Martensitic Medium-Carbon Steel. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 103 | Visualization of pH and Clâ¯ Distributions inside Crevice of Type 430 Stainless Steel. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 104 | Analysis of Local Dissolution Behavior of Intermetallic Particles on Chromate-Treated AA1050 Using Micro-Electrochemical System. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 105 | Inhibition of Hydrogen Entry into Pure Iron By Formation of Nitrogen Solid Solution Layer in the Surface. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 106 | Pitting Corrosion Behavior at Sulfide Inclusions on Type 304 Stainless Steel with Applied Stress. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 107 | Corrosion Behavior of Cocrfemnni High Entropy Alloy in Acidic Solutions. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 108 | Visualizing the Crevice Corrosion Behavior of Nitrogen-Containing Stainless Steel: Changes in pH and Cl<sup>ï¼</sup> Distributions with Initiation, Growth, and Local Repassivation. Zairyo To Kankyo/ Corrosion Engineering, 2021, 70, 250-256. | 0.0 | 0 |

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|---|---|---|---|
| 109 | Pitting Corrosion Resistance and Electrochemical Properties of Equimolar CoCrFeMnNi and Non-Equimolar Alcocrfeni High-entropy Alloys. ECS Meeting Abstracts, 2021, MA2021-02, 552-552. | 0.0 | 0 |
| 110 | Beneficial Effects of Cerium Addition to Sulfide Inclusions on Pitting Corrosion Resistance of Stainless Steels. ECS Meeting Abstracts, 2021, MA2021-02, 550-550. | 0.0 | 0 |
| 111 | Elucidation of the Growth of Filiform Corrosion of AZ91D Mg Alloy in NaCl Solution. ECS Meeting Abstracts, 2021, MA2021-02, 573-573. | 0.0 | 0 |
| 112 | Micro-electrochemical Analysis of Pit Initiation at Inclusions of Martensitic Stainless Steel. ECS Meeting Abstracts, 2021, MA2021-02, 549-549. | 0.0 | 0 |
| 113 | Effect of Surface Microstructure on the Hydrogen Permeation Behavior of Plasma-Nitrided AISI 4135 Steel. ECS Meeting Abstracts, 2021, MA2021-02, 591-591. | 0.0 | 0 |
| 114 | Effect of Mg on Intergranular Corrosion of Al-Cu Alloy. ECS Meeting Abstracts, 2021, MA2021-02, 1704-1704. | 0.0 | 0 |
| 115 | Improvement in Galvanic Corrosion Resistance between AA5083 and Pure Fe or Stainless Steels in Diluted Synthetic Seawater Due to Anodizing. ECS Meeting Abstracts, 2021, MA2021-02, 566-566. | 0.0 | 0 |
| 116 | Visualization of pH Distributions inside the Crevice of Stainless Steel in Corrosive Environments. ECS Meeting Abstracts, 2021, MA2021-02, 1703-1703. | 0.0 | 0 |
| 117 | The Effect of Cu Addition on the Corrosion Resistance of High Entropy Alloys. ECS Meeting Abstracts, 2021, MA2021-02, 1702-1702. | 0.0 | 0 |
| 118 | (Invited) Relationship between Protective Film on Sulfide Inclusions and Pitting Corrosion Resistance on Type 304 Stainless Steel Under Applied Stress. ECS Meeting Abstracts, 2020, MA2020-02, 1267-1267. | 0.0 | 0 |
| 119 | Effect of Al and Ni Contents on Anodized Oxide Film and Pitting Corrosion Resistance of Alcocrfeni High-Entropy Alloys. ECS Meeting Abstracts, 2020, MA2020-02, 1207-1207. | 0.0 | 0 |
| 120 | Galvanic Corrosion Behavior between Aluminum and Iron in Chloride Solutions at Near-Neutral pH and Corrosion Prevention By Anodizing. ECS Meeting Abstracts, 2020, MA2020-02, 1251-1251. | 0.0 | 0 |
| 121 | (Invited) Effect of Cr Concentration on Dissolution of (Mn,Cr)S Inclusions in Stainless Steel. ECS Meeting Abstracts, 2020, MA2020-02, 1269-1269. | 0.0 | 0 |
| 122 | (Invited) Beneficial Role of Interstitial Carbon on Corrosion Resistance of Carbon Steels. ECS Meeting Abstracts, 2020, MA2020-02, 1270-1270. | 0.0 | 0 |
| 123 | (Invited) Micro-Electrochemistry of Pit Initiation at Non-Metallic Inclusions of Stainless Steels and Roles of Alloying Elements in Improving Corrosion Resistance. ECS Meeting Abstracts, 2020, MA2020-02, 1208-1208. | 0.0 | 0 |
| 124 | Fabrication of Mo-Dispersed Type 304L Stainless Steel By Spark Plasma Sintering and Its Corrosion Resistance in 0.1 M NaCl. ECS Meeting Abstracts, 2020, MA2020-02, 3558-3558. | 0.0 | 0 |
| 125 | Elucidation of the Initiation of Pitting Corrosion and the Growth of Filiform Corrosion of AZ91D in Aqueous NaCl Electrolyte. ECS Meeting Abstracts, 2020, MA2020-02, 3561-3561. | 0.0 | 0 |
| 126 | In Situ Observation of Pitting Corrosion on AA1050 Under Open Circuit Conditions. ECS Meeting Abstracts, 2020, MA2020-02, 1247-1247. | 0.0 | 0 |

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| 127 | The Role of Mo Addition in the Improvement of Corrosion Resistance of Weathering Steel Under a Wet-Dry Cyclic Condition. ECS Meeting Abstracts, 2020, MA2020-02, 1325-1325. | 0.0 | 0 |
| 128 | Fabrication of Type 304L Containing Mo-rich Areas and Corrosion Behavior. ECS Meeting Abstracts, 2021, MA2021-02, 551-551. | 0.0 | 0 |
| 129 | Effect of pH Change on the Electrochemical Behavior of Intermetallic Particles in AA1050 Aluminum. ECS Meeting Abstracts, 2021, MA2021-02, 572-572. | 0.0 | 0 |
| 130 | Evaluating the Corrosion Resistance of AA7075 Containing Mn-Rich Phases Fabricated By Spark Plasma Sintering. ECS Meeting Abstracts, 2021, MA2021-02, 1700-1700. | 0.0 | 0 |
| 131 | Role of Retained Austenite in Corrosion Resistance of Si-Mn Steel. ECS Meeting Abstracts, 2021, MA2021-02, 558-558. | 0.0 | 0 |
| 132 | Effect of Alloying Elements on Pit Growth in AA7075. ECS Meeting Abstracts, 2020, MA2020-02, 3559-3559. | 0.0 | 0 |