

Jin Li

List of Publications by Year in descending order

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59
papers

2,515
citations

257450

24
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197818

49
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59
all docs

59
docs citations

59
times ranked

1359
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Understanding the pitting mechanism of super ferritic stainless steel in bromide solutions: The role of Ti/Nbâ€“Mo precipitates with a coreâ€“shell structure. <i>Corrosion Science</i> , 2022, 199, 110176. | 6.6 | 19 |
| 2 | A discussion on evaluation criteria for crevice corrosion of various stainless steels. <i>Journal of Materials Science and Technology</i> , 2021, 64, 29-37. | 10.7 | 14 |
| 3 | Studies on the degree of sensitization of hyper-duplex stainless steel 2707 at 900â„ƒ using a modified DL-EPR test. <i>Corrosion Science</i> , 2021, 185, 109432. | 6.6 | 18 |
| 4 | Revisiting the effect of molybdenum on pitting resistance of stainless steels. <i>Tungsten</i> , 2021, 3, 329-337. | 4.8 | 22 |
| 5 | Application of potentiostatic pulse technique and statistical analysis in evaluating pitting resistance of aged 317L stainless steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 900-908. | 1.5 | 12 |
| 6 | Influence of Ethanol on Pitting Corrosion Behavior of Stainless Steel for Bioethanol Fermentation Tanks. <i>Frontiers in Chemistry</i> , 2020, 8, 529. | 3.6 | 8 |
| 7 | Highâ€“temperature corrosion behaviors of typical nickel alloy coatings in a simulated boiler coal ash/gas environment in the Zhundong region. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1102-1112. | 1.5 | 3 |
| 8 | Enhancement in intergranular corrosion resistance of the stabilised ultra-pure 430LX ferritic stainless steel by tin addition. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 232-240. | 1.4 | 4 |
| 9 | Investigation on static and dynamic corrosion behaviors of thermal energy transfer and storage system materials by molten salts in concentrating solar power plants. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 102-109. | 1.5 | 22 |
| 10 | Recent advances and challenges in divalent and multivalent metal electrodes for metalâ€“air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18183-18208. | 10.3 | 139 |
| 11 | Crevice Corrosion Behaviors Between CFRP and Stainless Steel 316L for Automotive Applications. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 1219-1226. | 2.9 | 9 |
| 12 | Distinction in Corrosion Behaviors of Duplex Stainless Steel 2205 Induced by Different Waveform Alternating Voltages Interference. <i>Journal of the Electrochemical Society</i> , 2019, 166, C454-C467. | 2.9 | 2 |
| 13 | Pitting and etching behaviors occurring in duplex stainless steel 2205 in the presence of alternating voltage interference. <i>Construction and Building Materials</i> , 2019, 202, 877-890. | 7.2 | 15 |
| 14 | The Intergranular Corrosion Susceptibility of Metastable Austenitic Crâ€“Mnâ€“Niâ€“Cu High-Strength Stainless Steel under Various Heat Treatments. <i>Materials</i> , 2019, 12, 1385. | 2.9 | 9 |
| 15 | Intergranular corrosion behavior and mechanism of the stabilized ultra-pure 430LX ferritic stainless steel. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1787-1796. | 10.7 | 17 |
| 16 | Effect of annealing temperature on pitting behavior and microstructure evolution of hyperâ€“duplex stainless steel 2707. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1682-1692. | 1.5 | 11 |
| 17 | Effect of Surface Roughness on Pitting Corrosion of 2205 Duplex Stainless Steel Investigated by Electrochemical Noise Measurements. <i>Materials</i> , 2019, 12, 738. | 2.9 | 27 |
| 18 | Alternating voltage induced oscillation on electrochemical behavior and pitting corrosion in duplex stainless steel 2205. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 419-433. | 1.5 | 10 |

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|----|---|-----|-----------|
| 19 | Investigation on galvanic corrosion behaviors of CFRPs and aluminum alloys systems for automotive applications. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1036-1043. | 1.5 | 16 |
| 20 | The temperature-dependent pitting and repassivation behaviors of UNS S31803 duplex stainless steel in chloride solutions. <i>Corrosion Science</i> , 2019, 149, 29-36. | 6.6 | 9 |
| 21 | Enhancements of Passive Film and Pitting Resistance in Chloride Solution for 316LX Austenitic Stainless Steel After Sn Alloying. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 98-106. | 2.9 | 21 |
| 22 | The Microstructure and Pitting Resistance of 2002 Lean Duplex Stainless Steel after the Simulated Welding Thermal Cycle Process. <i>Materials</i> , 2019, 12, 70. | 2.9 | 5 |
| 23 | Effect of Short-Time Aging on the Pitting Corrosion Behavior of a Novel Lean Duplex Stainless Steel 2002. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 755-763. | 2.9 | 6 |
| 24 | Investigation on ultra-pure ferritic stainless steel 436L susceptibility to intergranular corrosion using optimised double loop electrochemical potentiokinetic reactivation method. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 574-581. | 1.4 | 13 |
| 25 | Studies on pitting corrosion in austenitic stainless steel interfered by square-wave alternating voltage with different parameters using multi-potential steps method. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 1741-1757. | 1.5 | 2 |
| 26 | Crevice Corrosion Performance of 436 Ferritic Stainless Steel Studied by Different Electrochemical Techniques in Sodium Chloride Solutions with Sulfate Addition. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 1071-1076. | 1.0 | 10 |
| 27 | Effect of solution annealing temperature on pitting behavior of duplex stainless steel 2204 in chloride solutions. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 357-363. | 2.8 | 12 |
| 28 | Effect of prolonged thermal cycles on the pitting corrosion resistance of a newly developed LDX 2404 lean duplex stainless steel. <i>Corrosion Science</i> , 2016, 103, 189-195. | 6.6 | 42 |
| 29 | Microstructure evolution and pitting corrosion resistance of the Gleeble-simulated heat-affected zone of a newly developed lean duplex stainless steel 2002. <i>Journal of Alloys and Compounds</i> , 2016, 658, 1031-1040. | 5.5 | 61 |
| 30 | Effect of aging time on intergranular corrosion behavior of a newly developed LDX 2404 lean duplex stainless steel. <i>Journal of Alloys and Compounds</i> , 2016, 672, 147-154. | 5.5 | 32 |
| 31 | Intergranular Corrosion of Low Cr Ferritic Stainless Steel 429 Evaluated by the Optimized Double Loop Electrochemical Potentiokinetic Reactivation Test. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-10. | 1.8 | 1 |
| 32 | Effect of Alloying Tin on the Corrosion Characteristics of Austenitic Stainless Steel in Sulfuric Acid and Sodium Chloride Solutions. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1089-1096. | 2.9 | 15 |
| 33 | Investigation of Susceptibility to Intergranular Corrosion of Tin-Added Austenitic Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1183-1189. | 2.9 | 7 |
| 34 | Microstructure Evolution in Aged UNS S82441 Duplex Stainless Steel. <i>Steel Research International</i> , 2014, 85, 640-644. | 1.8 | 5 |
| 35 | Effect of Annealing Temperature on the Mechanical and Corrosion Behavior of a Newly Developed Novel Lean Duplex Stainless Steel. <i>Materials</i> , 2014, 7, 6604-6619. | 2.9 | 49 |
| 36 | Influence of Creq/Nieq on pitting corrosion resistance and mechanical properties of UNS S32304 duplex stainless steel welded joints. <i>Corrosion Science</i> , 2013, 70, 252-259. | 6.6 | 74 |

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|----|---|------|-----------|
| 37 | Evaluation of aged duplex stainless steel UNS S32750 susceptibility to intergranular corrosion by optimized double loop electrochemical potentiokinetic reactivation method. <i>Corrosion Science</i> , 2013, 68, 249-255. | 6.6 | 84 |
| 38 | In Situ Observation of Surface Electrochemical Activities of Lean Duplex Stainless Steel LDX 2101. <i>Steel Research International</i> , 2013, 84, 155-162. | 1.8 | 3 |
| 39 | Potentiostatic Electrochemical Noise Analysis of 2101 Lean Duplex Stainless Steel in 1 mol/L NaCl. <i>Journal of Materials Science and Technology</i> , 2012, 28, 474-480. | 10.7 | 14 |
| 40 | Influence of welding thermal cycles on microstructure and pitting corrosion resistance of 2304 duplex stainless steels. <i>Corrosion Science</i> , 2012, 55, 368-377. | 6.6 | 84 |
| 41 | Influence of cooling rate on microstructure evolution and pitting corrosion resistance in the simulated heat-affected zone of 2304 duplex stainless steels. <i>Corrosion Science</i> , 2012, 58, 168-174. | 6.6 | 100 |
| 42 | Effect of post-weld heat treatment on microstructure evolution and pitting corrosion behavior of UNS S31803 duplex stainless steel welds. <i>Corrosion Science</i> , 2012, 62, 42-50. | 6.6 | 136 |
| 43 | Effect of a brief post-weld heat treatment on the microstructure evolution and pitting corrosion of laser beam welded UNS S31803 duplex stainless steel. <i>Corrosion Science</i> , 2012, 65, 472-480. | 6.6 | 85 |
| 44 | Microstructural evolution and pitting resistance of annealed lean duplex stainless steel UNS S32304. <i>Nuclear Engineering and Design</i> , 2012, 243, 56-62. | 1.7 | 29 |
| 45 | Annealing temperature effect on the pitting corrosion resistance of plasma arc welded joints of duplex stainless steel UNS S32304 in 1.0 M NaCl. <i>Corrosion Science</i> , 2011, 53, 2191-2200. | 6.6 | 76 |
| 46 | Influence of the microstructure and alloying element on the polarization behaviour within the crevice of UNS S32304 duplex stainless steel. <i>Corrosion Science</i> , 2011, 53, 3796-3804. | 6.6 | 15 |
| 47 | Lower temperature aluminizing and its effect on improving corrosion resistance of iron treated by surface mechanical attrition treatment. <i>Journal of Coatings Technology Research</i> , 2011, 8, 107-116. | 2.5 | 14 |
| 48 | Evaluation of intergranular corrosion susceptibility of UNS S31803 duplex stainless steel with an optimized double loop electrochemical potentiokinetic reactivation method. <i>Electrochimica Acta</i> , 2010, 55, 5077-5083. | 5.2 | 85 |
| 49 | Application of the modified electrochemical potentiodynamic reactivation method to detect susceptibility to intergranular corrosion of a newly developed lean duplex stainless steel LDX2101. <i>Corrosion Science</i> , 2010, 52, 969-977. | 6.6 | 88 |
| 50 | Effect of annealing temperature on the pitting corrosion resistance of super duplex stainless steel UNS S32750. <i>Materials Characterization</i> , 2009, 60, 1049-1054. | 4.4 | 219 |
| 51 | Effect of aging on the corrosion resistance of 2101 lean duplex stainless steel. <i>Materials Characterization</i> , 2009, 60, 1522-1528. | 4.4 | 97 |
| 52 | Effect of temperature change rate on the critical pitting temperature for duplex stainless steel. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1703-1708. | 2.9 | 10 |
| 53 | Evaluation of localized corrosion in duplex stainless steel aged at 850Å°C with critical pitting temperature measurement. <i>Electrochimica Acta</i> , 2009, 54, 2790-2794. | 5.2 | 105 |
| 54 | Influence of annealing treatment on the corrosion resistance of lean duplex stainless steel 2101. <i>Electrochimica Acta</i> , 2009, 54, 5387-5392. | 5.2 | 124 |

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|----|---|-----|-----------|
| 55 | Effect of thermal cycles on the corrosion and mechanical properties of UNS S31803 duplex stainless steel. <i>Corrosion Science</i> , 2009, 51, 2969-2975. | 6.6 | 119 |
| 56 | Effect of surface mechanical attrition treatment on corrosion behavior of 316 stainless steel. <i>Journal of Iron and Steel Research International</i> , 2009, 16, 68-72. | 2.8 | 90 |
| 57 | Critical pitting and repassivation temperatures for duplex stainless steel in chloride solutions. <i>Electrochimica Acta</i> , 2008, 53, 5220-5225. | 5.2 | 130 |
| 58 | Dependence of critical pitting temperature on the concentration of sulphate ion in chloride-containing solutions. <i>Applied Surface Science</i> , 2007, 253, 7369-7375. | 6.1 | 69 |
| 59 | A new polymer thin film with electrical bistable states. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1804-1807. | 1.8 | 4 |