

# Jin Li

## List of Publications by Year in descending order

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59  
papers

2,515  
citations

257450

24  
h-index

197818

49  
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59  
all docs

59  
docs citations

59  
times ranked

1359  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent advances and challenges in divalent and multivalent metal electrodes for metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18183-18208.	10.3	139
3	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
4	Critical pitting and repassivation temperatures for duplex stainless steel in chloride solutions. <i>Electrochimica Acta</i> , 2008, 53, 5220-5225.	5.2	130
5	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
6	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
7	Evaluation of localized corrosion in duplex stainless steel aged at 850°C with critical pitting temperature measurement. <i>Electrochimica Acta</i> , 2009, 54, 2790-2794.	5.2	105
8	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
9	Effect of aging on the corrosion resistance of 2101 lean duplex stainless steel. <i>Materials Characterization</i> , 2009, 60, 1522-1528.	4.4	97
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Revisiting the effect of molybdenum on pitting resistance of stainless steels. <i>Tungsten</i> , 2021, 3, 329-337.	4.8	22
27	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
28	Understanding the pitting mechanism of super ferritic stainless steel in bromide solutions: The role of Ti/Nb-Mo precipitates with a core-shell structure. <i>Corrosion Science</i> , 2022, 199, 110176.	6.6	19
29	Studies on the degree of sensitization of hyper-duplex stainless steel 2707 at 900°C using a modified DL-EPR test. <i>Corrosion Science</i> , 2021, 185, 109432.	6.6	18
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	Effect of annealing temperature on pitting behavior and microstructure evolution of hyperduplex stainless steel 2707. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1682-1692.	1.5	11
42	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
43	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
44	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
45	The Intergranular Corrosion Susceptibility of Metastable Austenitic Cr-Mn-Ni-Cu High-Strength Stainless Steel under Various Heat Treatments. <i>Materials</i> , 2019, 12, 1385.	2.9	9
46	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
47	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
48	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
49	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
50	Microstructure Evolution in Aged UNS S82441 Duplex Stainless Steel. <i>Steel Research International</i> , 2014, 85, 640-644.	1.8	5
51	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
52	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
53	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)</i>	1.0	4
54	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

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55	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
56	High-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
57	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
58	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
59	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