Boxin Wei

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3271251/publications.pdf

Version: 2024-02-01

19	347	759233 12	839539 18
papers	citations	h-index	g-index

20	20	20	78
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of sulfate-reducing bacteria on corrosion of X80 pipeline steel under disbonded coating in a red soil solution. Journal of Materials Science and Technology, 2021, 87, 1-17.	10.7	46
2	Short-period corrosion of X80 pipeline steel induced by AC current in acidic red soil. Engineering Failure Analysis, 2019, 105, 156-175.	4.0	36
3	Effect of uniaxial elastic stress on corrosion of X80 pipeline steel in an acidic soil solution containing sulfate-reducing bacteria trapped under disbonded coating. Corrosion Science, 2021, 193, 109893.	6.6	28
4	Microstructural response and improving surface mechanical properties of pure copper subjected to laser shock peening. Applied Surface Science, 2021, 564, 150336.	6.1	26
5	Effect of alternating current frequency on corrosion behavior of X80 pipeline steel in coastal saline soil. Engineering Failure Analysis, 2021, 120, 105065.	4.0	23
6	X80 Steel Corrosion Induced by Alternating Current in Water-Saturated Acidic Soil. Corrosion, 2020, 76, 248-267.	1.1	22
7	Microbiologically influenced corrosion of TiZrNb medium-entropy alloys by Desulfovibrio desulfuricans. Journal of Alloys and Compounds, 2021, 875, 160020.	5.5	22
8	Internal microbiologically influenced corrosion of natural gas pipelines: A critical review. Journal of Natural Gas Science and Engineering, 2022, 102, 104581.	4.4	18
9	Biologically competitive effect of Desulfovibrio desulfurican and Pseudomonas stutzeri on corrosion of X80 pipeline steel in the Shenyang soil solution. Bioelectrochemistry, 2022, 145, 108051.	4.6	17
10	A comparative study of sulfate-reducing Desulfovibrio desulfuricans induced corrosion behaviors in Q235, X65, X70, and X80 pipeline steels. International Journal of Pressure Vessels and Piping, 2022, 195, 104599.	2.6	17
11	Biotic enhancement of Desulfovibrio desulfuricans on multi-factor influenced corrosion of X80 steel in saline soil. Corrosion Science, 2022, 200, 110228.	6.6	17
12	Synergistic effect of alternating current and sulfate-reducing bacteria on corrosion behavior of X80 steel in coastal saline soil. Bioelectrochemistry, 2021, 142, 107911.	4.6	15
13	Comparing the hot corrosion of (100), (210) and (110) Ni-based superalloys exposed to the mixed salt of Na2SO4-NaCl at 750ÂÂ°C: Experimental study and first-principles calculation. Corrosion Science, 2022, 195, 109996.	6.6	12
14	Nanosecond pulsed laser-assisted modified copper surface structure: Enhanced surface microhardness and microbial corrosion resistance. Journal of Materials Science and Technology, 2022, 107, 111-123.	10.7	11
15	Comparison of AC Corrosion of X80 Steel in Real Soil, Soil Extract Solution, and Simulated Solution. Journal of Materials Engineering and Performance, 2020, 29, 4967-4977.	2.5	10
16	The effect of nitrate reducing bacteria on the corrosion behavior of X80 pipeline steel in the soil extract solution of Shenyang. International Journal of Pressure Vessels and Piping, 2021, 190, 104313.	2.6	10
17	Effect of alternating current frequency on corrosion behavior of X80 pipeline steel in soil extract solution of Dagang. International Journal of Pressure Vessels and Piping, 2020, 179, 104016.	2.6	8
18	Effect of alternating current and nitrate reducing bacteria on corrosion of X80 pipeline steel in Shenyang soil solution. Engineering Failure Analysis, 2021, 129, 105688.	4.0	8

#	Article	IF	Citations
19	Effect of Glutaraldehyde as a Biocide against the Microbiologically Influenced Corrosion of X80 Steel Pipeline. Journal of Pipeline Systems Engineering and Practice, 2022, 13, .	1.6	1