

Marc Singer

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Modeling of uniform CO ₂ corrosion of mild steel in gas transportation systems: A review. Journal of Natural Gas Science and Engineering, 2016, 29, 530-549.	4.4	128
2	Inhibition properties of self-assembled corrosion inhibitor talloil diethylenetriamine imidazoline for mild steel corrosion in chloride solution saturated with carbon dioxide. Corrosion Science, 2013, 77, 265-272.	6.6	107
3	Formation of iron oxide and iron sulfide at high temperature and their effects on corrosion. Corrosion Science, 2018, 135, 167-176.	6.6	81
4	Investigation of precipitation kinetics of FeCO ₃ by EQCM. Corrosion Science, 2018, 141, 195-202.	6.6	31
5	Corrosion Behavior of Mild Steel in Sour Environments at Elevated Temperatures. Corrosion, 2017, 73, 915-926.	1.1	24
6	Effect of Fe ₂ CO ₃ and CaCO ₃ Scales on the CO ₂ Corrosion of Mild Steel. Corrosion, 2019, 75, 1434-1449.	1.1	23
7	Study of the Localized Nature of Top of the Line Corrosion in Sweet Environment. Corrosion, 2017, 73, 1030-1055.	1.1	22
8	Effect of High Temperature on the Aqueous H ₂ S Corrosion of Mild Steel. Corrosion, 2017, 73, 1188-1191.	1.1	22
9	Investigation of Pitting Corrosion Initiation and Propagation of a Type 316L Stainless Steel Manufactured by the Direct Metal Laser Sintering Process. Corrosion, 2019, 75, 140-143.	1.1	19
10	Solvent Isotopic Effects on a Surfactant Headgroup at the Air-Liquid Interface. Journal of Physical Chemistry C, 2018, 122, 16079-16085.	3.1	17
11	Localized Corrosion of Mild Steel in Marginally Sour Environments. Corrosion, 2017, 73, 1098-1106.	1.1	15
12	Formation Mechanisms of Iron Oxide and Iron Sulfide at High Temperature in Aqueous H ₂ S Corrosion Environment. Journal of the Electrochemical Society, 2018, 165, C171-C179.	2.9	13
13	Effect of Flow and Steel Microstructure on the Formation of Iron Carbonate. Corrosion, 2019, 75, 1183-1193.	1.1	13
14	An in-situ Raman study on the oxidation of mackinawite as a corrosion product layer formed on mild steel in marginally sour environments. Corrosion Science, 2021, 188, 109516.	6.6	13
15	Pitting mechanism of mild steel in marginally sour environments—Part I: A parametric study based on formation of protective layers. Corrosion Science, 2021, 183, 109305.	6.6	12
16	Black powder formation by dewing and hygroscopic corrosion processes. Journal of Natural Gas Science and Engineering, 2018, 56, 358-367.	4.4	10
17	The mixture of dicyclohexylamine and oleylamine as corrosion inhibitor for mild steel in NaCl solution saturated with CO ₂ under both continual immersion and top of the line corrosion. Journal of the Serbian Chemical Society, 2012, 77, 1047-1061.	0.8	9
18	A Glycol/Water Co-Condensation Model to Investigate the Influence of Monoethylene Glycol on Top-of-the-Line Corrosion. Corrosion, 2017, 73, 742-755.	1.1	9

#	ARTICLE	IF	CITATIONS
19	Comparison of Model Predictions and Field Data: The Case of Top of the Line Corrosion. Corrosion, 2017, 73, 1007-1016.	1.1	8
20	Top-of-the-line corrosion. , 2017, , 385-408.		8
21	Top-of-the-line corrosion. , 2017, , 689-706.		6
22	Application of Scratch Testing for the Assessment of the Adherent Properties of Scales and CO ₂ Corrosion Product Layers and their Relation to Corrosion. Corrosion Science, 2021, 190, 109625.	6.6	6
23	Investigation of the Role of Droplet Transport in Mitigating Top of the Line Corrosion. Corrosion, 2018, 74, 873-885.	1.1	5
24	CO ₂ Corrosion of Mild Steel Exposed to CaCO ₃ -Saturated Aqueous Solutions. Corrosion, 2019, 75, 1281-1284.	1.1	5
25	Pitting mechanism of mild steel in marginally sour environments “ Part II: Pit initiation based on the oxidation of the chemisorbed iron sulfide layers. Corrosion Science, 2021, 184, 109337.	6.6	5
26	Improvement to Water Speciation and FeCO ₃ Precipitation Kinetics in CO ₂ Environments: Updates in NaCl Concentrated Solutions. Industrial & Engineering Chemistry Research, 2021, 60, 17026-17035.	3.7	5
27	A Corrosion Model for Oil and Gas Mild Steel Production Tubing. Corrosion, 2014, 70, 1175-1176.	1.1	4
28	Delinkage of Metal Surface Saturation Concentration and Micellization in Corrosion Inhibition. Corrosion, 2022, 78, 625-633.	1.1	3
29	PITTING MECHANISM OF MILD STEEL IN MARGINALLY SOUR ENVIRONMENTS: PIT PROPAGATION BASED ON ACIDIFICATION BY CATALYTIC OXIDATION OF DISSOLVED HYDROGEN SULFIDE. Corrosion, 0, , .	1.1	2
30	Influence of Co-condensations of Water and Hydrocarbon on Top of the Line Corrosion. Corrosion, 0, , .	1.1	1