

# Marc Singer

## List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Delinkage of Metal Surface Saturation Concentration and Micellization in Corrosion Inhibition. Corrosion, 2022, 78, 625-633.	1.1	3
2	Pitting mechanism of mild steel in marginally sour environmentsâ€™ Part I: A parametric study based on formation of protective layers. Corrosion Science, 2021, 183, 109305.	6.6	12
3	Pitting mechanism of mild steel in marginally sour environments â€™ Part II: Pit initiation based on the oxidation of the chemisorbed iron sulfide layers. Corrosion Science, 2021, 184, 109337.	6.6	5
4	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
5	Application of Scratch Testing for the Assessment of the Adherent Properties of Scales and CO <sub>2</sub> Corrosion Product Layers and their Relation to Corrosion. Corrosion Science, 2021, 190, 109625.	6.6	6
6	Improvement to Water Speciation and FeCO <sub>3</sub> Precipitation Kinetics in CO <sub>2</sub> Environments: Updates in NaCl Concentrated Solutions. Industrial & Engineering Chemistry Research, 2021, 60, 17026-17035.	3.7	5
7	CO <sub>2</sub> Corrosion of Mild Steel Exposed to CaCO <sub>3</sub> -Saturated Aqueous Solutions. Corrosion, 2019, 75, 1281-1284.	1.1	5
8	Effect of Flow and Steel Microstructure on the Formation of Iron Carbonate. Corrosion, 2019, 75, 1183-1193.	1.1	13
9	Effect of Fe <sub>3</sub> O <sub>4</sub> and CaCO <sub>3</sub> Scales on the CO <sub>2</sub> Corrosion of Mild Steel. Corrosion, 2019, 75, 1434-1449.	1.1	23
10	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
11	Formation Mechanisms of Iron Oxide and Iron Sulfide at High Temperature in Aqueous H <sub>2</sub> S Corrosion Environment. Journal of the Electrochemical Society, 2018, 165, C171-C179.	2.9	13
12	Formation of iron oxide and iron sulfide at high temperature and their effects on corrosion. Corrosion Science, 2018, 135, 167-176.	6.6	81
13	Investigation of precipitation kinetics of FeCO <sub>3</sub> by EQCM. Corrosion Science, 2018, 141, 195-202.	6.6	31
14	Investigation of the Role of Droplet Transport in Mitigating Top of the Line Corrosion. Corrosion, 2018, 74, 873-885.	1.1	5
15	Black powder formation by dewing and hygroscopic corrosion processes. Journal of Natural Gas Science and Engineering, 2018, 56, 358-367.	4.4	10
16	Solvent Isotopic Effects on a Surfactant Headgroup at the Airâ€™Liquid Interface. Journal of Physical Chemistry C, 2018, 122, 16079-16085.	3.1	17
17	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
18	Comparison of Model Predictions and Field Data: The Case of Top of the Line Corrosion. Corrosion, 2017, 73, 1007-1016.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Study of the Localized Nature of Top of the Line Corrosion in Sweet Environment. Corrosion, 2017, 73, 1030-1055.	1.1	22
20	Localized Corrosion of Mild Steel in Marginally Sour Environments. Corrosion, 2017, 73, 1098-1106.	1.1	15
21	Corrosion Behavior of Mild Steel in Sour Environments at Elevated Temperatures. Corrosion, 2017, 73, 915-926.	1.1	24
22	Effect of High Temperature on the Aqueous H <sub>2</sub> S Corrosion of Mild Steel. Corrosion, 2017, 73, 1188-1191.	1.1	22
23	Top-of-the-line corrosion. , 2017, , 385-408.		8
24	Top-of-the-line corrosion. , 2017, , 689-706.		6
25	Modeling of uniform CO <sub>2</sub> corrosion of mild steel in gas transportation systems: A review. Journal of Natural Gas Science and Engineering, 2016, 29, 530-549.	4.4	128
26	A Corrosion Model for Oil and Gas Mild Steel Production Tubing. Corrosion, 2014, 70, 1175-1176.	1.1	4
27	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
28	The mixture of dicyclohexylamine and oleylamine as corrosion inhibitor for mild steel in NaCl solution saturated with CO <sub>2</sub> under both continual immersion and top of the line corrosion. Journal of the Serbian Chemical Society, 2012, 77, 1047-1061.	0.8	9
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