

# Zhen Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

178  
citations

1163117

8  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a novel Benzyl Quinolinium Chloride derivative and its effective corrosion inhibition in 15wt.% hydrochloric acid. <i>Corrosion Science</i> , 2015, 99, 281-294.	6.6	43
2	Indolizine quaternary ammonium salt inhibitors part II: a reinvestigation of an old-fashioned strong acid corrosion inhibitor phenacyl quinolinium bromide and its indolizine derivative. <i>New Journal of Chemistry</i> , 2018, 42, 12977-12989.	2.8	28
3	A Review of Recent Advances in the Inhibition of Sweet Corrosion. <i>Chemical Record</i> , 2021, 21, 1845-1875.	5.8	21
4	Stability and rheological properties of HPAM/nanosilica suspensions: Impact of salinity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 587, 124320.	4.7	17
5	A novel in situ N <sub>2</sub> generation system assisted by authigenic acid for formation energy enhancement in an oilfield. <i>RSC Advances</i> , 2019, 9, 39914-39923.	3.6	13
6	Crystallization behaviors and rheological properties of biodiesel derived from methanol and ethanol. <i>Fuel</i> , 2017, 207, 503-509.	6.4	10
7	Indolizine quaternary ammonium salt inhibitors, part III: insights into the highly effective low-toxicity acid corrosion inhibitor " synthesis and protection performance. <i>New Journal of Chemistry</i> , 2019, 43, 18461-18475.	2.8	9
8	Synergistic effect of the bromide and chloride ion on the inhibition of quaternary ammonium salts in haloid acid, corrosion inhibition of carbon steel measured by weight loss. <i>Colloids and Interface Science Communications</i> , 2020, 34, 100228.	4.1	9
9	A Mannich base 1-phenyl-3-(1-pyrrolidinyl)-1-propanone: synthesis and performance study on corrosion inhibition for N80 steel in 15% hydrochloric acid. <i>Anti-Corrosion Methods and Materials</i> , 2016, 63, 153-159.	1.5	8
10	Potential of the base-activated persulfate for polymer-plugging removal in low temperature reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020, 189, 107000.	4.2	8
11	Indolizine quaternary ammonium salt inhibitors: The inhibition and anti-corrosion mechanism of new dimer derivatives from ethyl acetate quinolinium bromide and n-butyl quinolinium bromide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129649.	4.7	6
12	High-efficiency Corrosion Inhibitor for Acidizing: Synthesis, Characterization and Anti-corrosion Performance of Novel Indolizine Derivative. , 2019, , .		2
13	Insight of New Eco-Friendly Acidizing Corrosion Inhibitor: Structure and Inhibition of the Indolizine Derivatives. , 2019, , .		1
14	Dimer Indolizine Derivatives of Quaternary Salt Corrosion Inhibitors: Enlightened High-Effective Choice for Corrosion Prevention of Steel in Acidizing. <i>SPE Production and Operations</i> , 2021, 36, 34-42.	0.6	1
15	Simulating the strategies of oil field development for enhanced oil recovery. <i>Thermal Science</i> , 2020, 24, 411-422.	1.1	1
16	Novel High-Effective Component for Acidizing Corrosion Inhibitors: Indolizine Derivatives of the Quaternary Quinolinium Salts. , 2020, , .		1
17	Structure and Inhibition of the Indolizine Derivative: New Concept of High-Efficient Corrosion Inhibitors for Acidizing. , 2019, , .		0