

# Lida Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,072  
citations

471509

17  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of chemical conversion induced by self-corrosion of zinc powders on enhancing corrosion protection performance of zinc-rich coatings. <i>Corrosion Science</i> , 2022, 194, 109942.	6.6	24
2	Study on cooperative removal of NO <sub>x</sub> in simulated flue gas by paired electrolysis. <i>Separation and Purification Technology</i> , 2022, 283, 120198.	7.9	4
3	High-Efficiency Preparation of Reduced Graphene Oxide by a Two-Step Reduction Method and Its Synergistic Enhancement of Thermally Conductive and Anticorrosive Performance for Epoxy Coatings. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 3044-3054.	3.7	2
4	Failure analysis of M400 alloy distributor of top gas scrubber in alkane dehydrogenation unit. <i>Engineering Failure Analysis</i> , 2022, 138, 106334.	4.0	0
5	Global sensitivity analysis of influence parameters in pitting corrosion behavior of 304 stainless steel using adaptive neuro-fuzzy inference systems. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 805-815.	1.5	1
6	An innovative compound bed of EDI device with enhancing ion-exchange resins regeneration efficiency. <i>Water Science and Technology</i> , 2021, 83, 2549-2559.	2.5	3
7	Study on the corrosion behavior of copper coupled with TiO <sub>2</sub> with different crystal structures. <i>Corrosion Science</i> , 2021, 183, 109352.	6.6	18
8	Failure analysis of Erosion-Corrosion of the bend pipe at sewage stripping units. <i>Engineering Failure Analysis</i> , 2021, 129, 105675.	4.0	13
9	Review on the corrosion-promotion activity of graphene and its inhibition. <i>Journal of Materials Science and Technology</i> , 2021, 91, 278-306.	10.7	35
10	Design of High Temperature Anticorrosion Diagnosis System for Atmospheric and Vacuum Distillation Unit Based on Forcecontrol and SQL Sever2014. , 2020, , .		0
11	Failure analysis of steam jet pump at top of crude oil vacuum distillation tower. <i>Engineering Failure Analysis</i> , 2019, 103, 9-19.	4.0	8
12	Partially dehydrated zinc hydroxide sulfate nanoplates reinforced coating for corrosion protection. <i>Chemical Engineering Journal</i> , 2019, 373, 8-22.	12.7	44
13	Size-controlled graphite nanoplatelets: thermal conductivity enhancers for epoxy resin. <i>Journal of Materials Science</i> , 2019, 54, 10041-10054.	3.7	13
14	Origin of Aragonite Scale Deposition on Carbon Steel at Ambient Circumstances. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 401-413.	3.7	9
15	Corrosion-Induced Performance Degradation of Phosphorus-Containing Scale Inhibitors at Carbon Steel-Water Interface. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 5183-5189.	3.7	25
16	Influences of semiconductor oxide fillers on the corrosion behavior of metals under coatings. <i>Electrochimica Acta</i> , 2018, 292, 425-434.	5.2	9
17	A Catalyst-Based Self-Sufficient System with Durable Self-Healing Functionality. <i>Advanced Engineering Materials</i> , 2016, 18, 923-931.	3.5	10
18	Chemical modification of hydrotalcite coating for enhanced corrosion resistance. <i>Corrosion Science</i> , 2015, 93, 256-266.	6.6	53

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19	Inhibited corrosion-promotion activity of graphene encapsulated in nanosized silicon oxide. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16843-16848.	10.3	125
20	Inhibiting the Corrosion-Promotion Activity of Graphene. <i>Chemistry of Materials</i> , 2015, 27, 2367-2373.	6.7	256
21	Calcium alginate gel capsules loaded with inhibitor for corrosion protection of downhole tube in oilfields. <i>Corrosion Science</i> , 2015, 90, 296-304.	6.6	38
22	An arbitrary Lagrangian-Eulerian model for modelling the time-dependent evolution of crevice corrosion. <i>Corrosion Science</i> , 2014, 78, 233-243.	6.6	76
23	Corrosion inhibitor embedded spherical micro-pits fabricated using cetyltrimethyl ammonium bromide as etching template for self-healing corrosion protection. <i>Corrosion Science</i> , 2014, 88, 444-451.	6.6	20
24	Active deposition of bis (8-hydroxyquinoline) magnesium coating for enhanced corrosion resistance of AZ91D alloy. <i>Corrosion Science</i> , 2014, 89, 127-136.	6.6	55
25	$\hat{\Gamma}$ -Mn <sub>2</sub> O <sub>3</sub> -catalyzed adsorption reaction of benzotriazole for smart-corrosion protection of copper. <i>Corrosion Science</i> , 2014, 82, 1-6.	6.6	21
26	Copper(II) 8-hydroxyquinolate 3D network film with corrosion inhibitor embedded for self-healing corrosion protection. <i>Corrosion Science</i> , 2013, 75, 38-46.	6.6	30
27	An arbitrary Lagrangian-Eulerian model for studying the influences of corrosion product deposition on bimetallic corrosion. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 829-840.	2.5	52
28	Enhanced corrosion resistance of MgAl hydrotalcite conversion coating on aluminum by chemical conversion treatment. <i>Surface and Coatings Technology</i> , 2013, 235, 484-488.	4.8	36
29	Hydrothermal synthesis of corrosion resistant hydrotalcite conversion coating on AZ91D alloy. <i>Materials Letters</i> , 2013, 106, 111-114.	2.6	48
30	A mathematical model for modeling the formation of calcareous deposits on cathodically protected steel in seawater. <i>Electrochimica Acta</i> , 2012, 78, 597-608.	5.2	44