

Liangfu Zheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6728657/publications.pdf>

Version: 2024-02-01

15
papers

274
citations

933264

10
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ loading-dependent corrosion of carbon steel and formation of corrosion products in anoxic 30 wt.% monoethanolamine-based solutions. Corrosion Science, 2016, 102, 44-54.	3.0	39
2	Comparison of the dry and wet oxidation at 900°C of γ -Fe ₂ Al ₅ and γ -Ni ₂ Al ₃ coatings. Corrosion Science, 2011, 53, 597-603.	3.0	37
3	Corrosion mitigation via a pH stabilization method in monoethanolamine-based solutions for post-combustion CO ₂ capture. Corrosion Science, 2016, 106, 281-292.	3.0	31
4	Corrosion Benefits of Piperazine As an Alternative CO ₂ Capture Solvent. Industrial & Engineering Chemistry Research, 2014, 53, 11740-11746.	1.8	29
5	Use of Carbon Steel for Construction of Post-combustion CO ₂ Capture Facilities: A Pilot-Scale Corrosion Study. Industrial & Engineering Chemistry Research, 2017, 56, 4792-4803.	1.8	26
6	Suitability and Stability of 2-Mercaptobenzimidazole as a Corrosion Inhibitor in a Post-Combustion CO ₂ Capture System. Corrosion, 2015, 71, 692-702.	0.5	21
7	Corrosion Behavior of Carbon Steel in Piperazine Solutions for Post-Combustion CO ₂ Capture. ECS Transactions, 2014, 61, 81-95.	0.3	19
8	FeCO ₃ Coating Process toward the Corrosion Protection of Carbon Steel in a Postcombustion CO ₂ Capture System. Industrial & Engineering Chemistry Research, 2016, 55, 3939-3948.	1.8	17
9	Understanding the corrosion of CO ₂ -loaded 2-amino-2-methyl-1-propanol solutions assisted by thermodynamic modeling. International Journal of Greenhouse Gas Control, 2016, 54, 211-218.	2.3	12
10	Oxidation of a novel CeO ₂ -dispersed chromium coating in wet air. Materials and Corrosion - Werkstoffe Und Korrosion, 2011, 62, 514-520.	0.8	11
11	Thermal stability up to 800°C of a Ni ₄ wt% Al nanocomposite. Journal of Materials Science, 2012, 47, 7759-7763.	1.7	11
12	Carbon nanotubes reinforced copper composite with uniform CNT distribution and high yield of fabrication. Micro and Nano Letters, 2017, 12, 722-725.	0.6	9
13	Erosion-corrosion in a laboratory-scale coal-firing FBC of various aluminized coatings prepared by low-temperature pack cementation. Surface and Coatings Technology, 2011, 205, 4540-4546.	2.2	7
14	Temperature-Dependent Thermal and Chemical Stabilities as well as Mechanical Properties of Electrodeposited Nanocrystalline Ni. Metals and Materials International, 2018, 24, 1293-1302.	1.8	3
15	Dual effects of co-electrodeposition of CeO ₂ nanoparticles on the grain growth of nanocrystalline Ni matrix. Journal of Materials Research, 2017, 32, 1741-1747.	1.2	2