

Ramazan Solmaz

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,580
citations

201674

27
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical studies of thiazoles as corrosion inhibitors for mild steel in sulphuric acid solution. <i>Corrosion Science</i> , 2011, 53, 2902-2913.	6.6	408
2	Investigation of the inhibition effect of 5-((E)-4-phenylbuta-1,3-dienylideneamino)-1,3,4-thiadiazole-2-thiol Schiff base on mild steel corrosion in hydrochloric acid. <i>Corrosion Science</i> , 2010, 52, 3321-3330.	6.6	335
3	Investigation of adsorption and corrosion inhibition of mild steel in hydrochloric acid solution by 5-(4-Dimethylaminobenzylidene)rhodanine. <i>Corrosion Science</i> , 2014, 79, 169-176.	6.6	308
4	Investigation of corrosion inhibition mechanism and stability of Vitamin B1 on mild steel in 0.5M HCl solution. <i>Corrosion Science</i> , 2014, 81, 75-84.	6.6	232
5	Adsorption and corrosion inhibition effect of 2-((5-mercapto-1,3,4-thiadiazol-2-ylimino)methyl)phenol Schiff base on mild steel. <i>Materials Chemistry and Physics</i> , 2011, 125, 796-801.	4.0	195
6	Electrochemical deposition and characterization of NiFe coatings as electrocatalytic materials for alkaline water electrolysis. <i>Electrochimica Acta</i> , 2009, 54, 3726-3734.	5.2	191
7	The investigation of synergistic inhibition effect of rhodanine and iodide ion on the corrosion of copper in sulphuric acid solution. <i>Corrosion Science</i> , 2011, 53, 3231-3240.	6.6	169
8	Dardagan Fruit extract as eco-friendly corrosion inhibitor for mild steel in 1 M HCl: Electrochemical and surface morphological studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 107, 189-200.	5.3	148
9	Electrochemical deposition and characterization of NiCu coatings as cathode materials for hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2008, 10, 1909-1911.	4.7	137
10	Adsorption properties of barbiturates as green corrosion inhibitors on mild steel in phosphoric acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 325, 57-63.	4.7	135
11	The stability of hydrogen evolution activity and corrosion behavior of NiCu coatings with long-term electrolysis in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2089-2094.	7.1	119
12	Fabrication and characterization of NiCoZn-M (M: Ag, Pd and Pt) electrocatalysts as cathode materials for electrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 12079-12087.	7.1	95
13	Hydrogen evolution and corrosion performance of NiZn coatings. <i>Energy Conversion and Management</i> , 2007, 48, 583-591.	9.2	75
14	Electrochemical synthesis and characterization of a new conducting polymer: Polyrhodanine. <i>Applied Surface Science</i> , 2007, 253, 3402-3407.	6.1	61
15	Investigation of inhibition effect of rhodanine-N-acetic acid on mild steel corrosion in HCl solution. <i>Materials Chemistry and Physics</i> , 2012, 131, 615-620.	4.0	61
16	Enhancement of hydrogen evolution at cobalt-zinc deposited graphite electrode in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7391-7397.	7.1	58
17	Preparation, characterization and application of alkaline leached CuNiZn ternary coatings for long-term electrolysis in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10045-10049.	7.1	57
18	The Ni-deposited carbon felt as substrate for preparation of Pt-modified electrocatalysts: Application for alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8917-8922.	7.1	51

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19	Electrochemical preparation and characterization of C/Ni composite electrodes as novel cathode materials for alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2251-2256.	7.1	48
20	Electrochemical Investigation of Barbiturates as Green Corrosion Inhibitors for Mild Steel Protection. <i>Corrosion Reviews</i> , 2006, 24, .	2.0	46
21	Electrochemical synthesis and characterization of poly-2-aminothiazole. <i>Progress in Organic Coatings</i> , 2009, 64, 81-88.	3.9	46
22	Preparation and characterization of Pd-modified Raney-type NiZn coatings and their application for alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2464-2475.	7.1	45
23	Copper/polypyrrole multilayer coating for 7075 aluminum alloy protection. <i>Progress in Organic Coatings</i> , 2011, 72, 748-754.	3.9	37
24	Enhancement of electrochemical activity of Raney-type NiZn coatings by modifying with PtRu binary deposits: Application for alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1432-1440.	7.1	36
25	Corrosion behaviour of polyrhodanine coated copper electrode in 0.1M H ₂ SO ₄ solution. <i>Materials Chemistry and Physics</i> , 2010, 121, 354-358.	4.0	32
26	Adsorption ability, stability and corrosion inhibition mechanism of phoenix dactylifera extrat on mild steel. <i>Materials Research Express</i> , 2020, 7, 016585.	1.6	31
27	Gold-supported activated NiZn coatings: hydrogen evolution and corrosion studies. <i>International Journal of Energy Research</i> , 2017, 41, 1452-1459.	4.5	28
28	Inhibitive effect of 4-amino-N-benzylidene-benzamide Schiff base on mild steel corrosion in HCl solution. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 135-152.	2.6	28
29	Electrochemical synthesis of poly-2-aminothiazole on mild steel and its corrosion inhibition performance. <i>Progress in Organic Coatings</i> , 2011, 70, 122-126.	3.9	27
30	Fabrication and characterization of alkaline leached CuZn/Cu electrode as anode material for direct methanol fuel cell. <i>Energy</i> , 2015, 90, 1144-1151.	8.8	27
31	Preparation, characterization and hydrogen production performance of MoPd deposited carbon felt/Mo electrodes. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10530-10539.	7.1	26
32	Experimental studies on the corrosion inhibition performance of 2-(2-aminophenyl)benzimidazole for mild steel protection in HCl solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 134, 104349.	5.3	25
33	Catalytic activity of electrodeposited ternary Co-Ni-Rh thin films for water splitting process. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34805-34817.	7.1	24
34	Fabrication of three-dimensional copper nanodomains as anode materials for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14235-14242.	7.1	23
35	Fabrication and characterization of three-dimensional silver nanodomains: Application for alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2476-2484.	7.1	22
36	The effect of 3D silver nanodome size on hydrogen evolution activity in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10586-10594.	7.1	21

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37	Electrocatalytic oxidation of methanol on Pt/NiZn electrode in alkaline medium. Russian Journal of Electrochemistry, 2011, 47, 811-818.	0.9	20
38	Three-dimensional nickel nanodomains: Efficient electrocatalysts for water splitting. International Journal of Hydrogen Energy, 2018, 43, 10580-10585.	7.1	19
39	Fabrication of rhodanine self-assembled monolayer thin films on copper: Solvent optimization and corrosion inhibition studies. Progress in Organic Coatings, 2018, 125, 516-524.	3.9	19
40	Copper modified poly-6-amino-m-cresol (poly-AmC/Cu) coating for mild steel protection. Surface and Coatings Technology, 2009, 203, 1469-1473.	4.8	17
41	Tunable Plasmonic Silver Nanodomains for Surface-Enhanced Raman Scattering. Plasmonics, 2018, 13, 785-795.	3.4	17
42	Fabrication, characterization and application of three-dimensional copper nanodomains as efficient cathodes for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 14108-14116.	7.1	17
43	Fabrication of Mo-modified carbon felt as candidate substrate for electrolysis: Optimization of pH, current and metal amount. International Journal of Hydrogen Energy, 2018, 43, 10540-10548.	7.1	16
44	Electrochemical preparation and characterization of nickel and zinc-modified poly-2-aminothiazole films on mild steel surface and their corrosion inhibition performance. Reactive and Functional Polymers, 2011, 71, 1148-1154.	4.1	14
45	Methanol electrooxidation at nickel-modified rhodanine self assembled monolayer films: A new class of multilayer electrocatalyst. International Journal of Hydrogen Energy, 2019, 44, 14228-14234.	7.1	12
46	Methanol electrooxidation activity of binary CoAg electrocatalyst. International Journal of Hydrogen Energy, 2020, 45, 35013-35022.	7.1	11
47	Adsorption and Corrosion Inhibition of Cactus cladode Extract and Effect of KI Addition on Mild Steel in 0.5 M H ₂ SO ₄ . ChemistrySelect, 2022, 7, .	1.5	9
48	Preface to the special issue on "The Third International Hydrogen Technologies Congress (IHTEC 2018), March 15-18 2018, Alanya-Antalya, Turkey". International Journal of Hydrogen Energy, 2019, 44, 18661.	7.1	1
49	Bakır Asidik Ortamdaki Korozyonuna Hurma (Phoenix dactylifera) Çekirdeğinin İnhibisyon Etkisinin İncelenmesi. TMMOB Doğa Ve Fen Dergisi, 2021, 10, 258-264.	0.5	1
50	Fabrication of tunable plasmonic 3D nanostructures for SERS applications. , 2016, , .		0