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List of Publications by Year in descending order

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53
papers

2,568
citations

201674

27
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

1886
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. <i>Electrochimica Acta</i> , 2007, 52, 6359-6366.	5.2	400
2	Corrosion inhibition of aluminum by 1,1(lauryl amido)propyl ammonium chloride in HCl solution. <i>Materials Chemistry and Physics</i> , 2001, 70, 64-72.	4.0	181
3	The corrosion inhibition study of sodium dodecyl benzene sulphonate to aluminium and its alloys in 1.0 M HCl solution. <i>Materials Chemistry and Physics</i> , 2003, 78, 337-348.	4.0	154
4	Corrosion and corrosion inhibition of Al and some alloys in sulphate solutions containing halide ions investigated by an impedance technique. <i>Applied Surface Science</i> , 2002, 187, 279-290.	6.1	138
5	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. <i>Electrochimica Acta</i> , 2007, 53, 1722-1730.	5.2	132
6	Perchlorate and oxygen reduction during Zn corrosion in a neutral medium. <i>Electrochimica Acta</i> , 2006, 51, 5966-5972.	5.2	111
7	Spinel-structured FeCo ₂ O ₄ mesoporous nanosheets as efficient electrode for supercapacitor applications. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 26-33.	4.4	111
8	Corrosion inhibition study of pure Al and some of its alloys in 1.0 M HCl solution by impedance technique. <i>Corrosion Science</i> , 2004, 46, 5-25.	6.6	103
9	Chronoamperometric studies of pitting corrosion of Al and (Al-Si) alloys by halide ions in neutral sulphate solutions. <i>Corrosion Science</i> , 2004, 46, 1921-1938.	6.6	75
10	Effect of chloride ions on the corrosion behaviour of steel in 0.1M citrate. <i>Electrochimica Acta</i> , 2005, 51, 526-535.	5.2	73
11	Supercapacitor electrode materials: addressing challenges in mechanism and charge storage. <i>Reviews in Inorganic Chemistry</i> , 2022, 42, 53-88.	4.1	66
12	Experimental and Theoretical Investigations of Adsorption and Inhibitive Properties of Tween 80 on Corrosion of Aluminum Alloy (A5754) in Alkaline Media. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 67-78.	2.8	59
13	Anodic behaviour of tin in maleic acid solution and the effect of some inorganic inhibitors. <i>Corrosion Science</i> , 2004, 46, 1071-1082.	6.6	57
14	Electroplating of zinc-nickel binary alloys from acetate baths. <i>Electrochimica Acta</i> , 1996, 41, 1413-1418.	5.2	56
15	High performance nano-Ni/Graphite electrode for electro-oxidation in direct alkaline ethanol fuel cells. <i>Journal of Power Sources</i> , 2016, 325, 653-663.	7.8	54
16	Hydrothermal Synthesis of MnS Nanoflakes@Nitrogen and Sulfur Co-doped rGO for High Performance Hybrid Supercapacitor. <i>ChemistrySelect</i> , 2018, 3, 6061-6072.	1.5	53
17	Corrosion behaviour of zinc in sodium perchlorate solutions. <i>Applied Surface Science</i> , 2001, 174, 201-209.	6.1	44
18	Participation of the dissolved O ₂ in the passive layer formation on Zn surface in neutral media. <i>Electrochimica Acta</i> , 2007, 52, 6929-6937.	5.2	44

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19	On the role of NO ₂ ⁻ ions in passivity breakdown of Zn in deaerated neutral sodium nitrite solutions and the effect of some inorganic inhibitors. <i>Electrochimica Acta</i> , 2008, 53, 2600-2609.	5.2	44
20	A single-step synthesis and direct growth of microspheres containing the nanoflakes-like structure of Zn _{0.76} Co _{0.24} S as a high-performance electrode for supercapacitors. <i>Journal of Energy Storage</i> , 2020, 29, 101349.	8.1	39
21	Role of ClO ₄ ⁻ in breakdown of tin passivity in NaOH solutions. <i>Corrosion Science</i> , 2002, 44, 37-47.	6.6	37
22	Low cost chemical oxygen demand sensor based on electrodeposited nano-copper film. <i>Arabian Journal of Chemistry</i> , 2018, 11, 171-180.	4.9	35
23	Electrochemical studies on the effect of (2E)-3-amino-2-phenylazo-but-2-enitrile and its derivative on the behaviour of copper in nitric acid. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007, 58, 369-375.	1.5	32
24	Elektrochemisches Verhalten einer Silberelektrode in Natriumhydroxidl�sungen. <i>Monatshefte F�r Chemie</i> , 1998, 129, 1103.	1.8	32
25	Kinetic and diffusional limitations to the anodic dissolution of p-Si in fluoride media. <i>Journal of Electroanalytical Chemistry</i> , 1995, 380, 55-61.	3.8	30
26	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2002, 32, 1257-1264.	2.9	30
27	Surface functionality and electrochemical investigations of a graphitic electrode as a candidate for alkaline energy conversion and storage devices. <i>Scientific Reports</i> , 2016, 6, 22056.	3.3	29
28	Impact of rare earth compounds on corrosion of aluminum alloy (AA6061) in the marine water environment. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153428.	5.5	29
29	Role of alloyed silicon and some inorganic inhibitors in the inhibition of meta-stable and stable pitting of Al in perchlorate solutions. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1589-1598.	2.9	28
30	Sensitive and Green Method for Determination of Chemical Oxygen Demand Using a Nano�copper Based Electrochemical Sensor. <i>Electroanalysis</i> , 2017, 29, 2401-2409.	2.9	27
31	The influence of some sulphur-containing anions on the anodic behaviour of zinc in an alkaline medium. <i>Journal of Electroanalytical Chemistry</i> , 1996, 401, 113-118.	3.8	26
32	Glassy Carbon Electrode Electromodification in the Presence of Organic Monomers: Electropolymerization versus Activation. <i>Analytical Chemistry</i> , 2020, 92, 7947-7954.	6.5	26
33	Effect of some variables on the electroplating of zinc from acidic acetate baths. <i>Journal of Applied Electrochemistry</i> , 1994, 24, 350.	2.9	21
34	Influence of Nonoxynol-9 on the Corrosion Inhibition of Carbon Steel in 1.0�M Hydrochloric Acid Solution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1641-1653.	2.8	18
35	Tailoring the Oxygen Reduction Activity of Hemoglobin through Immobilization within Microporous Organic Polymer�Graphene Composite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27918-27926.	8.0	17
36	The electrochemical behaviour of polycrystalline silver electrodes in Na ₂ CO ₃ solution and the effect of ClO ₄ ⁻ ions. <i>Journal of Solid State Electrochemistry</i> , 1999, 3, 380-386.	2.5	15

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37	Corrosion and Corrosion Inhibition of Aluminum Alloys A5052 and A5754 in Sulfuric Acid Solutions by Some Inorganic Inhibitors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1141-1157.	2.8	15
38	Chemical limitations to the anodic dissolution of p-Si in fluoride media in the presence of alkali metal cations. <i>Journal of Electroanalytical Chemistry</i> , 1995, 381, 211-214.	3.8	14
39	A Sensitive and Green Method for Determination of Catechol Using Multi-Walled Carbon Nanotubes/Poly(1,5-diaminonaphthalene) Composite Film Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1441-B1451.	2.9	14
40	Effect of alkali-metal and some quaternary-ammonium cations on the anodic dissolution of p-Si in fluoride media. <i>Journal of Electroanalytical Chemistry</i> , 1996, 407, 105-113.	3.8	13
41	Estimation of the Inhibition Efficiency of Polysorbate 80 Against the Corrosion of 6061 Aluminum Alloy in Di-Sodium Hydrogen Orthophosphate Solution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1573-1584.	2.8	12
42	Controlled electrodeposited cobalt phases for efficient OER catalysis, RRDE and eQCM studies. <i>Electrochimica Acta</i> , 2019, 313, 403-414.	5.2	9
43	Perchloratinduzierte Lochfraßkorrosion an einer passivierten Silberelektrode. <i>Monatshefte Für Chemie</i> , 1999, 130, 1207.	1.8	8
44	Conventional and Microwave Synthesis of some new pyridine derivatives and evaluation their antimicrobial and cytotoxic activities.. <i>Egyptian Journal of Chemistry</i> , 2018, .	0.2	4
45	Electrochemical behaviour of silver in aqueous chromate solutions. <i>Canadian Journal of Chemistry</i> , 1998, 76, 1156-1161.	1.1	3
46	Perchlorate Pitting Corrosion of a Passivated Silver Electrode. <i>Monatshefte Für Chemie</i> , 1999, 130, 1207-1216.	1.8	3
47	Pitting Corrosion of Zn Peculiarly Caused by Acetate Anions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1531-1549.	2.8	3
48	N-aminophthalimide as a synthon for heterocyclic Schiff bases: Efficient utilization as corrosion inhibitors of mild steel in 0.5 mol.L ⁻¹ H ₂ SO ₄ solution. <i>Egyptian Journal of Chemistry</i> , 2018, 61, 300-310.	0.2	3
49	Electrochemical studies on pitting corrosion of tin in sodium borate solutions containing nitrate ions. <i>Anti-Corrosion Methods and Materials</i> , 2019, 66, 300-306.	1.5	2
50	On the deconvolution of the concurrent cathodic processes with cobalt deposition onto graphite from feebly acidic bath. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1705-1719.	2.9	2
51	Improved Corrosion Resistance of Aluminum in 0.5 M HCl Solution using Plasma Electrolytic Oxidation. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 609-625.	2.8	1
52	Normalization of the EOR catalytic efficiency measurements based on RRDE study for simply fabricated cost-effective Co/graphite electrode for DAEFCs. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116488.	3.8	1
53	Electrochemical behaviour of silver in aqueous chromate solutions. <i>Canadian Journal of Chemistry</i> , 1998, 76, 1156-1161.	1.1	0