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List of Publications by Year
in descending order

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	Supercapacitor electrode materials: addressing challenges in mechanism and charge storage. Reviews in Inorganic Chemistry, 2022, 42, 53-88.	4.1	66
2	Normalization of the EOR catalytic efficiency measurements based on RRDE study for simply fabricated cost-effective Co/graphite electrode for DAEFCs. Journal of Electroanalytical Chemistry, 2022, 918, 116488.	3.8	1
3	On the deconvolution of the concurrent cathodic processes with cobalt deposition onto graphite from feebly acidic bath. Journal of Applied Electrochemistry, 2021, 51, 1705-1719.	2.9	2
4	Impact of rare earth compounds on corrosion of aluminum alloy (AA6061) in the marine water environment. Journal of Alloys and Compounds, 2020, 820, 153428.	5.5	29
5	Glassy Carbon Electrode Electromodification in the Presence of Organic Monomers: Electropolymerization versus Activation. Analytical Chemistry, 2020, 92, 7947-7954.	6.5	26
6	A single-step synthesis and direct growth of microspheres containing the nanoflakes-like structure of Zn0.76Co0.24S as a high-performance electrode for supercapacitors. Journal of Energy Storage, 2020, 29, 101349.	8.1	39
7	Improved Corrosion Resistance of Aluminum in 0.5 M HCl Solution using Plasma Electrolytic Oxidation. Zeitschrift Fur Physikalische Chemie, 2019, 233, 609-625.	2.8	1
8	A Sensitive and Green Method for Determination of Catechol Using Multi-Walled Carbon Nanotubes/Poly(1,5-diaminonaphthalene) Composite Film Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2019, 166, B1441-B1451.	2.9	14
9	Controlled electrodeposited cobalt phases for efficient OER catalysis, RRDE and eQCM studies. Electrochimica Acta, 2019, 313, 403-414.	5.2	9
10	Electrochemical studies on pitting corrosion of tin in sodium borate solutions containing nitrate ions. Anti-Corrosion Methods and Materials, 2019, 66, 300-306.	1.5	2
11	Low cost chemical oxygen demand sensor based on electrodeposited nano-copper film. Arabian Journal of Chemistry, 2018, 11, 171-180.	4.9	35
12	Hydrothermal Synthesis of Î±â€MnS Nanoflakes@Nitrogen and Sulfur Coâ€doped rGO for Highâ€Performance Hybrid Supercapacitor. ChemistrySelect, 2018, 3, 6061-6072.	1.5	53
13	N-aminophthalimide as a synthon for heterocyclic Schiff bases: Efficient utilization as corrosion inhibitors of mild steel in 0.5 mol.L-1 H2SO4 solution. Egyptian Journal of Chemistry, 2018, 61, 300-310.	0.2	3
14	Conventional and Microwave Synthesis of some new pyridine derivatives and evaluation their antimicrobial and cytotoxic activities.. Egyptian Journal of Chemistry, 2018, .	0.2	4
15	Estimation of the Inhibition Efficiency of Polysorbate 80 Against the Corrosion of 6061 Aluminum Alloy in Di-Sodium Hydrogen Orthophosphate Solution. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1573-1584.	2.8	12
16	Tailoring the Oxygen Reduction Activity of Hemoglobin through Immobilization within Microporous Organic Polymerâ€“Graphene Composite. ACS Applied Materials & Interfaces, 2017, 9, 27918-27926.	8.0	17
17	Spinel-structured FeCo 2 O 4 mesoporous nanosheets as efficient electrode for supercapacitor applications. Microporous and Mesoporous Materials, 2017, 251, 26-33.	4.4	111
18	Corrosion and Corrosion Inhibition of Aluminum Alloys A5052 and A5754 in Sulfuric Acid Solutions by Some Inorganic Inhibitors. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1141-1157.	2.8	15

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19	Sensitive and Green Method for Determination of Chemical Oxygen Demand Using a Nanoâ€copper Based Electrochemical Sensor. Electroanalysis, 2017, 29, 2401-2409.	2.9	27
20	Influence of Nonoxynol-9 on the Corrosion Inhibition of Carbon Steel in 1.0â€¯M Hydrochloric Acid Solution. Zeitschrift Fur Physikalische Chemie, 2016, 230, 1641-1653.	2.8	18
21	Pitting Corrosion of Zn Peculiarly Caused by Acetate Anions. Zeitschrift Fur Physikalische Chemie, 2016, 230, 1531-1549.	2.8	3
22	Surface functionality and electrochemical investigations of a graphitic electrode as a candidate for alkaline energy conversion and storage devices. Scientific Reports, 2016, 6, 22056.	3.3	29
23	High performance nano-Ni/Graphite electrode for electro-oxidation in direct alkaline ethanol fuel cells. Journal of Power Sources, 2016, 325, 653-663.	7.8	54
24	Experimental and Theoretical Investigations of Adsorption and Inhibitive Properties of Tween 80 on Corrosion of Aluminum Alloy (A5754) in Alkaline Media. Zeitschrift Fur Physikalische Chemie, 2016, 230, 67-78.	2.8	59
25	On the role of NO2â¯ ions in passivity breakdown of Zn in deaerated neutral sodium nitrite solutions and the effect of some inorganic inhibitors. Electrochimica Acta, 2008, 53, 2600-2609.	5.2	44
26	Role of alloyed silicon and some inorganic inhibitors in the inhibition of meta-stable and stable pitting of Al in perchlorate solutions. Journal of Applied Electrochemistry, 2008, 38, 1589-1598.	2.9	28
27	Electrochemical studies on the effect of (2E)-3-amino-2-phenylazo-but-2-enenitrile and its derivative on the behaviour of copper in nitric acid. Materials and Corrosion - Werkstoffe Und Korrosion, 2007, 58, 369-375.	1.5	32
28	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. Electrochimica Acta, 2007, 52, 6359-6366.	5.2	400
29	Participation of the dissolved O2 in the passive layer formation on Zn surface in neutral media. Electrochimica Acta, 2007, 52, 6929-6937.	5.2	44
30	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. Electrochimica Acta, 2007, 53, 1722-1730.	5.2	132
31	Perchlorate and oxygen reduction during Zn corrosion in a neutral medium. Electrochimica Acta, 2006, 51, 5966-5972.	5.2	111
32	Effect of chloride ions on the corrosion behaviour of steel in 0.1M citrate. Electrochimica Acta, 2005, 51, 526-535.	5.2	73
33	Chronoamperometric studies of pitting corrosion of Al and (Alâ€“Si) alloys by halide ions in neutral sulphate solutions. Corrosion Science, 2004, 46, 1921-1938.	6.6	75
34	Corrosion inhibition study of pure Al and some of its alloys in 1.0 M HCl solution by impedance technique. Corrosion Science, 2004, 46, 5-25.	6.6	103
35	Anodic behaviour of tin in maleic acid solution and the effect of some inorganic inhibitors. Corrosion Science, 2004, 46, 1071-1082.	6.6	57
36	The corrosion inhibition study of sodium dodecyl benzene sulphonate to aluminium and its alloys in 1.0 M HCl solution. Materials Chemistry and Physics, 2003, 78, 337-348.	4.0	154

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37	Role of ClO4â˜' in breakdown of tin passivity in NaOH solutions. Corrosion Science, 2002, 44, 37-47.	6.6	37
38	Corrosion and corrosion inhibition of Al and some alloys in sulphate solutions containing halide ions investigated by an impedance technique. Applied Surface Science, 2002, 187, 279-290.	6.1	138
39	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 1257-1264.	2.9	30
40	Corrosion behaviour of zinc in sodium perchlorate solutions. Applied Surface Science, 2001, 174, 201-209.	6.1	44
41	Corrosion inhibition of aluminum by 1,1(lauryl amido)propyl ammonium chloride in HCl solution. Materials Chemistry and Physics, 2001, 70, 64-72.	4.0	181
42	Perchlorate Pitting Corrosion of a Passivated Silver Electrode. Monatshefte FÃ¼r Chemie, 1999, 130, 1207-1216.	1.8	3
43	The electrochemical behaviour of polycrystalline silver electrodes in Na2CO3 solution and the effect of ClO? 4 ions. Journal of Solid State Electrochemistry, 1999, 3, 380-386.	2.5	15
44	Perchloratinduzierte LochfraÃŸkorrosion an einer passivierten Silberelektrode. Monatshefte FÃ¼r Chemie, 1999, 130, 1207.	1.8	8
45	Electrochemical behaviour of silver in aqueous chromate solutions. Canadian Journal of Chemistry, 1998, 76, 1156-1161.	1.1	3
46	Elektrochemisches Verhalten einer Silberelektrode in NatriumhydroxidlÃ¶sungen. Monatshefte FÃ¼r Chemie, 1998, 129, 1103.	1.8	32
47	Electrochemical behaviour of silver in aqueous chromate solutions. Canadian Journal of Chemistry, 1998, 76, 1156-1161.	1.1	0
48	Electroplating of zinc-nickel binary alloys from acetate baths. Electrochimica Acta, 1996, 41, 1413-1418.	5.2	56
49	The influence of some sulphur-containing anions on the anodic behaviour of zinc in an alkaline medium. Journal of Electroanalytical Chemistry, 1996, 401, 113-118.	3.8	26
50	Effect of alkali-metal and some quaternary-ammonium cations on the anodic dissolution of p-Si in fluoride media. Journal of Electroanalytical Chemistry, 1996, 407, 105-113.	3.8	13
51	Kinetic and diffusional limitations to the anodic dissolution of p-Si in fluoride media. Journal of Electroanalytical Chemistry, 1995, 380, 55-61.	3.8	30
52	Chemical limitations to the anodic dissolution of p-Si in fluoride media in the presence of alkali metal cations. Journal of Electroanalytical Chemistry, 1995, 381, 211-214.	3.8	14
53	Effect of some variables on the electroplating of zinc from acidic acetate baths. Journal of Applied Electrochemistry, 1994, 24, 350.	2.9	21