

# Hamdy H Hassan, Hamdi H Hassan, H H

## List of Publications by Year in descending order

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52  
papers

2,568  
citations

201385

27  
h-index

189595

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. <i>Reviews in Inorganic Chemistry</i> , 2022, 42, 53-88.	1.8	66
2	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.	1.9	1
3	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.	1.5	2
4	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.	2.8	29
5	Glassy Carbon Electrode Electromodification in the Presence of Organic Monomers: Electropolymerization versus Activation. <i>Analytical Chemistry</i> , 2020, 92, 7947-7954.	3.2	26
6	A single-step synthesis and direct growth of microspheres containing the nanoflakes-like structure of Zn <sub>0.76</sub> Co <sub>0.24</sub> S as a high-performance electrode for supercapacitors. <i>Journal of Energy Storage</i> , 2020, 29, 101349.	3.9	39
7	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.	1.4	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. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1441-B1451.	1.3	14
9	Controlled electrodeposited cobalt phases for efficient OER catalysis, RRDE and eQCM studies. <i>Electrochimica Acta</i> , 2019, 313, 403-414.	2.6	9
10	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.	0.6	2
11	Low cost chemical oxygen demand sensor based on electrodeposited nano-copper film. <i>Arabian Journal of Chemistry</i> , 2018, 11, 171-180.	2.3	35
12	Hydrothermal Synthesis of MnS Nanoflakes@Nitrogen and Sulfur Co-doped rGO for High-Performance Hybrid Supercapacitor. <i>ChemistrySelect</i> , 2018, 3, 6061-6072.	0.7	53
13	N-aminophthalimide as a synthon for heterocyclic Schiff bases: Efficient utilization as corrosion inhibitors of mild steel in 0.5 mol.L <sup>-1</sup> H <sub>2</sub> SO <sub>4</sub> solution. <i>Egyptian Journal of Chemistry</i> , 2018, 61, 300-310.	0.1	3
14	Conventional and Microwave Synthesis of some new pyridine derivatives and evaluation their antimicrobial and cytotoxic activities.. <i>Egyptian Journal of Chemistry</i> , 2018, .	0.1	4
15	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.	1.4	12
16	Tailoring the Oxygen Reduction Activity of Hemoglobin through Immobilization within Microporous Organic Polymer-Graphene Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27918-27926.	4.0	17
17	Spinel-structured FeCo <sub>2</sub> O <sub>4</sub> mesoporous nanosheets as efficient electrode for supercapacitor applications. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 26-33.	2.2	111
18	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.	1.4	15

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19	Sensitive and Green Method for Determination of Chemical Oxygen Demand Using a Nano-copper Based Electrochemical Sensor. <i>Electroanalysis</i> , 2017, 29, 2401-2409.	1.5	27
20	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.	1.4	18
21	Pitting Corrosion of Zn Peculiarly Caused by Acetate Anions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1531-1549.	1.4	3
22	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.	1.6	29
23	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.	4.0	54
24	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.	1.4	59
25	On the role of NO <sub>2</sub> <sup>-</sup> 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.	2.6	44
26	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.	1.5	28
27	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.	0.8	32
28	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. <i>Electrochimica Acta</i> , 2007, 52, 6359-6366.	2.6	400
29	Participation of the dissolved O <sub>2</sub> in the passive layer formation on Zn surface in neutral media. <i>Electrochimica Acta</i> , 2007, 52, 6929-6937.	2.6	44
30	Inhibition of mild steel corrosion in hydrochloric acid solution by triazole derivatives. <i>Electrochimica Acta</i> , 2007, 53, 1722-1730.	2.6	132
31	Perchlorate and oxygen reduction during Zn corrosion in a neutral medium. <i>Electrochimica Acta</i> , 2006, 51, 5966-5972.	2.6	111
32	Effect of chloride ions on the corrosion behaviour of steel in 0.1M citrate. <i>Electrochimica Acta</i> , 2005, 51, 526-535.	2.6	73
33	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.	3.0	75
34	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.	3.0	103
35	Anodic behaviour of tin in maleic acid solution and the effect of some inorganic inhibitors. <i>Corrosion Science</i> , 2004, 46, 1071-1082.	3.0	57
36	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.	2.0	154

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37	Role of ClO <sub>4</sub> <sup>-</sup> in breakdown of tin passivity in NaOH solutions. Corrosion Science, 2002, 44, 37-47.	3.0	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.	3.1	138
39	Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 1257-1264.	1.5	30
40	Corrosion behaviour of zinc in sodium perchlorate solutions. Applied Surface Science, 2001, 174, 201-209.	3.1	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.	2.0	181
42	Perchlorate Pitting Corrosion of a Passivated Silver Electrode. Monatshefte für Chemie, 1999, 130, 1207-1216.	0.9	3
43	The electrochemical behaviour of polycrystalline silver electrodes in Na <sub>2</sub> CO <sub>3</sub> solution and the effect of ClO <sub>4</sub> <sup>-</sup> ions. Journal of Solid State Electrochemistry, 1999, 3, 380-386.	1.2	15
44	Perchloratinduzierte Lochfraßkorrosion an einer passivierten Silberelektrode. Monatshefte für Chemie, 1999, 130, 1207.	0.9	8
45	Electrochemical behaviour of silver in aqueous chromate solutions. Canadian Journal of Chemistry, 1998, 76, 1156-1161.	0.6	3
46	Elektrochemisches Verhalten einer Silberelektrode in Natriumhydroxidlösungen. Monatshefte für Chemie, 1998, 129, 1103.	0.9	32
47	Electroplating of zinc-nickel binary alloys from acetate baths. Electrochimica Acta, 1996, 41, 1413-1418.	2.6	56
48	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.	1.9	26
49	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.	1.9	13
50	Kinetic and diffusional limitations to the anodic dissolution of p-Si in fluoride media. Journal of Electroanalytical Chemistry, 1995, 380, 55-61.	1.9	30
51	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.	1.9	14
52	Effect of some variables on the electroplating of zinc from acidic acetate baths. Journal of Applied Electrochemistry, 1994, 24, 350.	1.5	21