

# Amany Fekry

## List of Publications by Year in descending order

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69  
papers

1,993  
citations

257101

24  
h-index

264894

42  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acetyl thiourea chitosan as an eco-friendly inhibitor for mild steel in sulphuric acid medium. <i>Electrochimica Acta</i> , 2010, 55, 1933-1939.	2.6	222
2	The influence of chloride and sulphate ions on the corrosion behavior of Ti and Ti-6Al-4V alloy in oxalic acid. <i>Electrochimica Acta</i> , 2009, 54, 3480-3489.	2.6	139
3	Inhibition effect of newly synthesized heterocyclic organic molecules on corrosion of steel in alkaline medium containing chloride. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11387-11396.	3.8	93
4	Electrochemical design of a new nanosensor based on cobalt nanoparticles, chitosan and MWCNT for the determination of daclatasvir: a hepatitis C antiviral drug. <i>RSC Advances</i> , 2017, 7, 1118-1126.	1.7	78
5	Corrosion inhibition of mild steel in acidic media using newly synthesized heterocyclic organic molecules. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7641-7651.	3.8	75
6	A new simple electrochemical Moxifloxacin Hydrochloride sensor built on carbon paste modified with silver nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1065-1070.	5.3	70
7	Nano-TiO <sub>2</sub> modified carbon paste sensor for electrochemical nicotine detection using anionic surfactant. <i>Biosensors and Bioelectronics</i> , 2016, 79, 589-592.	5.3	63
8	A study of calcium carbonate/multiwalled-carbon nanotubes/chitosan composite coatings on Ti-6Al-4V alloy for orthopedic implants. <i>Applied Surface Science</i> , 2013, 285, 309-316.	3.1	61
9	A novel electrochemical nicotine sensor based on cerium nanoparticles with anionic surfactant. <i>RSC Advances</i> , 2015, 5, 51662-51671.	1.7	60
10	Corrosion resistance of Ti modified by chitosan-gold nanoparticles for orthopedic implantation. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 787-799.	3.6	58
11	Characterization and corrosion behavior of anodized Aluminum alloys for military industries applications in artificial seawater. <i>Surfaces and Interfaces</i> , 2019, 14, 314-323.	1.5	58
12	Electrochemical impedance spectroscopy of chitosan coated magnesium alloys in a synthetic sweat medium. <i>Surface and Coatings Technology</i> , 2014, 238, 126-132.	2.2	53
13	Impedance and hydrogen evolution studies on magnesium alloy in oxalic acid solution containing different anions. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12945-12951.	3.8	52
14	Electrochemical behavior of AZ91D magnesium alloy in phosphate medium—part I. Effect of pH. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 583-591.	1.5	51
15	Electrochemical impedance studies of modified Ni-P and Ni-Cu-P deposits in alkaline medium. <i>Electrochimica Acta</i> , 2010, 55, 5922-5929.	2.6	50
16	Voltammetric detection of caffeine in pharmacological and beverages samples based on simple nano-Co (II, III) oxide modified carbon paste electrode in aqueous and micellar media. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127172.	4.0	49
17	Electrochemical behavior of a novel nano-composite coat on Ti alloy in phosphate buffer solution for biomedical applications. <i>RSC Advances</i> , 2016, 6, 20276-20285.	1.7	47
18	Experimental and Theoretical Study of Uracil and Adenine Inhibitors in Sn-Ag Alloy/Nitric Acid Corroding System. <i>Journal of the Electrochemical Society</i> , 2008, 155, C534.	1.3	42

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19	A novel simple biosensor containing silver nanoparticles/propolis (bee glue) for microRNA let-7a determination. <i>Materials Science and Engineering C</i> , 2018, 92, 489-495.	3.8	42
20	Electrochemical behavior of AZ91D magnesium alloy in phosphate medium: Part II. Induced passivation. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1633-1642.	1.5	39
21	A novel methionine/palladium nanoparticle modified carbon paste electrode for simultaneous determination of three antiparkinson drugs. <i>RSC Advances</i> , 2015, 5, 14187-14195.	1.7	32
22	Effect of Fumed Silica/Chitosan/Poly(vinylpyrrolidone) Composite Coating on the Electrochemical Corrosion Resistance of Ti-6Al-4V Alloy in Artificial Saliva Solution. <i>ACS Omega</i> , 2019, 4, 73-78.	1.6	27
23	Corrosion protection of mild steel by polyvinylsilsesquioxanes coatings in 3% NaCl solution. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 739-747.	1.5	25
24	Electrochemical and hydrogen evolution behaviour of a novel nano-cobalt/nano-chitosan composite coating on a surgical 316L stainless steel alloy as an implant. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18233-18241.	3.8	25
25	A novel electrochemical determination for the anti-osteoporosis drug (alendronate sodium) and its application for corrosion monitoring of surgical 316L SS bone implant. <i>Journal of Alloys and Compounds</i> , 2017, 717, 25-30.	2.8	23
26	A novel electrochemical analysis of the legal psychoactive drug caffeine using a zeolite/MWCNT modified carbon paste sensor. <i>New Journal of Chemistry</i> , 2019, 43, 15359-15367.	1.4	23
27	Electrochemical, biodegradation and cytotoxicity of graphene oxide nanoparticles/polythreonine as a novel nano-coating on AZ91E Mg alloy staple in gastrectomy surgery. <i>Materials Science and Engineering C</i> , 2019, 103, 109780.	3.8	22
28	Corrosion inhibition by naturally occurring Hibiscus sabdariffa plant extract on a mild steel alloy in HCl solution. <i>Turkish Journal of Chemistry</i> , 2015, 39, 1078-1088.	0.5	20
29	The application of a bee glue-modified sensor in daclatasvir dual effect detection. <i>New Journal of Chemistry</i> , 2017, 41, 11846-11852.	1.4	20
30	A Sensitive Electrochemical Sensor for Moxifloxacin Hydrochloride Based on Nafion/Graphene Oxide/Zeolite Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2021, 33, 964-974.	1.5	20
31	Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. <i>Sensors</i> , 2020, 20, 2797.	2.1	19
32	Evaluation of the electrocatalytic properties of Tungsten electrode towards hydrogen evolution reaction in acidic solutions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16487-16496.	3.8	18
33	The strategy of nanoparticles and the flavone chrysin to quantify miRNA-let 7a in zepto-molar level: Its application as tumor marker. <i>Journal of Molecular Structure</i> , 2019, 1196, 647-652.	1.8	17
34	Enhanced oxygen evolution reaction over glassy carbon electrode modified with NiOx and Fe3O4. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1932-1939.	1.2	17
35	Role of Green Chemistry in Antipsychotics™ Electrochemical Investigations Using a Nontoxic Modified Sensor in McIlvaine Buffer Solution. <i>ACS Omega</i> , 2019, 4, 25-30.	1.6	17
36	Electrochemical Corrosion Behavior of Graphene Oxide/Chitosan/Silver Nanoparticle Composite Coating on Stainless Steel Utensils in Aqueous Media. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	16

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37	Hydrogen evolution and quantum calculations for potassium sorbate as an efficient green inhibitor for biodegradable magnesium alloy staples used for sleeve gastrectomy surgery. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24370-24382.	3.8	15
38	Antimicrobial ruthenium complex coating on the surface of titanium alloy. High efficiency anticorrosion protection of ruthenium complex. <i>Bioelectrochemistry</i> , 2015, 104, 35-43.	2.4	14
39	Incorporation of Tetrazolium Blue (TB)/Gold Nanoparticles (GNPs) into Carbon Paste Electrode: Application as an Electrochemical Sensor for the Sensitive and Selective Determination of Sotalol in Micellar Medium. <i>Electroanalysis</i> , 2017, 29, 2551-2558.	1.5	13
40	Electrochemical Behavior of Sn-Ag Alloys in Alkaline Solutions. <i>Corrosion</i> , 2009, 65, 587-594.	0.5	12
41	A Zirconium Oxide Nanoparticle Modified Screen-Printed Electrode for Anodic Stripping Determination of Daclatasvir Dihydrochloride. <i>Electroanalysis</i> , 2019, 31, 858-866.	1.5	12
42	The development of an innovative nano-coating on the surgical 316 L SS implant and studying the enhancement of corrosion resistance by electrochemical methods using Ibandronate drug. <i>Nano Structures Nano Objects</i> , 2020, 21, 100411.	1.9	12
43	Simultaneous determination of some antidepressant drugs and vitamin B12 in pharmaceutical products and urine sample using HPLC method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1150, 122178.	1.2	12
44	A Creation of Poly(N-2-hydroxyethylaniline-co-2-chloroaniline) for Corrosion Control of Mild Steel in Acidic Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	12
45	Highly selective visible-light-triggered CO <sub>2</sub> fixation to cyclic carbonates under mild conditions using TiO <sub>2</sub> /multiwall carbon nanotubes (MWCNT) grafted with Pt or Pd nanoparticles. <i>New Journal of Chemistry</i> , 2021, 45, 17301-17312.	1.4	12
46	Corrosion and impedance studies on magnesium alloy in oxalate solution. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 792-798.	1.7	11
47	A development of novel Ni-P coating on anodised aluminium alloys for military industries applications in artificial sea water. <i>Surface Engineering</i> , 2019, 35, 1033-1041.	1.1	11
48	A Sensor for Monitoring the Corrosion Behavior of Orthopedic Drug Calcium Hydrogen Phosphate on a Surgical 316L Stainless Steel Alloy as Implant. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	11
49	The Influence of Different Anions on the Corrosion Resistance of Ti-6Al-4V Alloy in Simulated Acid Rainwater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 2911-2916.	1.8	10
50	A nanoparticle modified carbon paste sensor for electrochemical determination of the antidepressant agent vilazodone. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113305.	1.9	10
51	Silver Nanoparticle/Graphene Oxide/Chitosan Coatings for Protection of Surfaces in Food Processing. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1.	1.2	9
52	Polyester-epoxy resin/conducting polymer/barium sulfate hybrid composite as a smart eco-friendly anti-corrosive powder coating. <i>Progress in Organic Coatings</i> , 2020, 144, 105664.	1.9	9
53	Electrochemical behavior of surgical 316L stainless steel eye glaucoma shunt (Ex-PRESS) in artificial aqueous humor. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4542-4548.	2.9	8
54	ELECTROCHEMICAL AND CHEMOMETRIC DETERMINATION OF DORZOLAMIDE AND TIMOLOL IN EYE DROPS USING MODIFIED MULTIWALL CARBON NANOTUBE ELECTRODE. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017, 9, 43.	0.3	8

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55	An innovative sensor for the electrochemical determination of the new melatonergic antidepressant drug agomelatine. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110160.	2.5	7
56	Electrochemical corrosion behaviour of AZ91E magnesium alloy by means of various nanocoatings in aqueous peritoneal solution: inÂvitro and inÂvivo studies. Journal of Materials Research and Technology, 2022, 17, 828-839.	2.6	7
57	Interface analysis of pure Sn, pure Ag and Sn $\frac{1}{2}$ :Ag binary alloys in H <sub>2</sub> SO <sub>4</sub> . Surface and Interface Analysis, 2010, 42, 95-101.	0.8	6
58	Electrochemical and interface analysis of titanium alloy in simulated body fluid. Surface and Interface Analysis, 2014, 46, 65-71.	0.8	5
59	A novel environmental nano-catalyst of zeolite amended with carbon nanotube/silver nanoparticles decorated carbon paste electrode for electro-oxidation of propylene glycol. Scientific Reports, 2022, 12, .	1.6	5
60	Study for Corrosion and Hydrogen Evolution Behavior of Ti-6Al-4V Alloy in Simulated Acid Rain Water. Journal of Materials Engineering and Performance, 2014, 23, 715-722.	1.2	4
61	Electroanalytical Determination of Escitalopram Oxalate Using Nickel Nanoparticles Modified Carbon Paste Sensor. Acta Chimica Slovenica, 2017, 64, 415-421.	0.2	4
62	The electrochemical behavior of Sn-Ag binary alloys in sulfate solutions. Materials and Corrosion - Werkstoffe Und Korrosion, 2009, 61, 580-589.	0.8	2
63	Electrochemical Detection of Nicotine Using Cerium Nanoparticles Modified Carbon Paste Sensor and Anionic Surfactant. Springer Proceedings in Physics, 2015, , 229-240.	0.1	2
64	Electrochemical corrosion behavior of nano-coated Ti-6Al-4V alloy by a novel chitosan nanoparticles /silver nanoparticles in artificial saliva solution. Egyptian Journal of Chemistry, 2018, .	0.1	2
65	Cyclic Voltammetric Studies on Selected Tin-Silver Binary Alloys in Sodium Hydroxide Solution. Corrosion, 2010, 66, 115001-115001-12.	0.5	1
66	Electrochemical Corrosion Behavior of Magnesium Alloys in Biological Solutions. , 0, , .		1
67	Corrosion Protection of Magnesium Alloys in Industrial Solutions. , 0, , .		1
68	The impact of cationic surfactants on the electrodeposition of Nickel/Graphene nano-sheet composite coatings on brass. Egyptian Journal of Chemistry, 2018, .	0.1	0
69	Adsorption and Corrosion Behavior of Polyacrylamide and Polyvinylpyrrolidone as Green Coatings for Mg-Al-Zn-Mn Alloy: Experimental and Computational Studies. Journal of Bio- and Tribo-Corrosion, 2022, 8, 1.	1.2	0