

Amany Fekry

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,363
citations

21
h-index

35
g-index

70
ext. papers

1,627
ext. citations

4.2
avg, IF

5.63
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 65 | Electrochemical corrosion behaviour of AZ91E magnesium alloy by means of various nanocoatings in aqueous peritoneal solution: in vitro and in vivo studies. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 828-839 | 5.5 | 0 |
| 64 | Adsorption and Corrosion Behavior of Polyacrylamide and Polyvinylpyrrolidone as Green Coatings for Mg-Al-Zn-Mn Alloy: Experimental and Computational Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022 , 8, 1 | 2.9 | |
| 63 | 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 | 6.7 | 9 |
| 62 | A Sensitive Electrochemical Sensor for Moxifloxacin Hydrochloride Based on Nafion/Graphene Oxide/Zeolite Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2021 , 33, 964-974 | 3 | 7 |
| 61 | Highly selective visible-light-triggered CO ₂ fixation to cyclic carbonates under mild conditions using TiO ₂ /multiwall carbon nanotubes (MWCNT) grafted with Pt or Pd nanoparticles. <i>New Journal of Chemistry</i> , 2021 , 45, 17301-17312 | 3.6 | 4 |
| 60 | An innovative sensor for the electrochemical determination of the new melatonergic antidepressant drug agomelatine. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 186, 110160 | 4.6 | 2 |
| 59 | Simultaneous determination of some antidepressant drugs and vitamin B 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 | 3.2 | 8 |
| 58 | 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 | 2.9 | 7 |
| 57 | Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. <i>Sensors</i> , 2020 , 20, | 3.8 | 12 |
| 56 | 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 | 2.9 | 6 |
| 55 | 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 | 2.9 | 6 |
| 54 | 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 | 4.8 | 5 |
| 53 | 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 | 5.6 | 10 |
| 52 | 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 | 6.7 | 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 | 2.9 | 4 |
| 50 | 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 | 8.5 | 25 |
| 49 | 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 | 3.6 | 12 |

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|----|--|------|----|
| 48 | 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 | 8.3 | 11 |
| 47 | A development of novel NiP coating on anodised aluminium alloys for military industries applications in artificial sea water. <i>Surface Engineering</i> , 2019 , 35, 1033-1041 | 2.6 | 8 |
| 46 | 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 | 6.7 | 13 |
| 45 | A Zirconium Oxide Nanoparticle Modified Screen-printed Electrode for Anodic Stripping Determination of Daclatasvir Dihydrochloride. <i>Electroanalysis</i> , 2019 , 31, 858-866 | 3 | 6 |
| 44 | Characterization and corrosion behavior of anodized Aluminum alloys for military industries applications in artificial seawater. <i>Surfaces and Interfaces</i> , 2019 , 14, 314-323 | 4.1 | 36 |
| 43 | A nanoparticle modified carbon paste sensor for electrochemical determination of the antidepressant agent vilazodone. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 848, 113305 | 4.1 | 5 |
| 42 | 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 | 3.4 | 10 |
| 41 | Enhanced oxygen evolution reaction over glassy carbon electrode modified with NiOx and Fe ₃ O ₄ . <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1932-1939 | 2.8 | 10 |
| 40 | 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 | 3.9 | 11 |
| 39 | Effect of Fumed Silica/Chitosan/Poly(vinylpyrrolidone) Composite Coating on the Electrochemical Corrosion Resistance of Ti6Al4V Alloy in Artificial Saliva Solution. <i>ACS Omega</i> , 2019 , 4, 73-78 | 3.9 | 19 |
| 38 | 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 | 8.3 | 28 |
| 37 | A novel electrochemical determination for the anti-osteoporosis drug (alendronate sodium) and its application for corrosion monitoring of surgical 316 L SS bone implant. <i>Journal of Alloys and Compounds</i> , 2017 , 717, 25-30 | 5.7 | 16 |
| 36 | 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 | 3.7 | 59 |
| 35 | 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 | 2 |
| 34 | 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 | 3 | 11 |
| 33 | The application of a bee glue-modified sensor in daclatasvir dual effect detection. <i>New Journal of Chemistry</i> , 2017 , 41, 11846-11852 | 3.6 | 15 |
| 32 | A new simple electrochemical Moxifloxacin Hydrochloride sensor built on carbon paste modified with silver nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 1065-1070 | 11.8 | 54 |
| 31 | Electroanalytical Determination of Escitalopram Oxalate Using Nickel Nanoparticles Modified Carbon Paste Sensor. <i>Acta Chimica Slovenica</i> , 2017 , 64, 415-421 | 1.9 | 3 |

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|----|--|------|----|
| 30 | 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 | 7.3 | 6 |
| 29 | 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 | 3.7 | 37 |
| 28 | Nano-TiO ₂ modified carbon paste sensor for electrochemical nicotine detection using anionic surfactant. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 589-92 | 11.8 | 50 |
| 27 | A novel methionine/palladium nanoparticle modified carbon paste electrode for simultaneous determination of three antiparkinson drugs. <i>RSC Advances</i> , 2015 , 5, 14187-14195 | 3.7 | 27 |
| 26 | Antimicrobial ruthenium complex coating on the surface of titanium alloy. High efficiency anticorrosion protection of ruthenium complex. <i>Bioelectrochemistry</i> , 2015 , 104, 35-43 | 5.6 | 10 |
| 25 | Electrochemical Detection of Nicotine Using Cerium Nanoparticles Modified Carbon Paste Sensor and Anionic Surfactant. <i>Springer Proceedings in Physics</i> , 2015 , 229-240 | 0.2 | |
| 24 | 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 | 1 | 15 |
| 23 | Corrosion resistance of Ti modified by chitosan-gold nanoparticles for orthopedic implantation. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 787-99 | 7.9 | 45 |
| 22 | A novel electrochemical nicotine sensor based on cerium nanoparticles with anionic surfactant. <i>RSC Advances</i> , 2015 , 5, 51662-51671 | 3.7 | 38 |
| 21 | Study for Corrosion and Hydrogen Evolution Behavior of Ti-6Al-4V Alloy in Simulated Acid Rain Water. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 715-722 | 1.6 | 2 |
| 20 | Electrochemical and interface analysis of titanium alloy in simulated body fluid. <i>Surface and Interface Analysis</i> , 2014 , 46, 65-71 | 1.5 | 4 |
| 19 | The Influence of Different Anions on the Corrosion Resistance of Ti-6Al-4V Alloy in Simulated Acid Rainwater. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 2911-2916 | 3.9 | 5 |
| 18 | Electrochemical impedance spectroscopy of chitosan coated magnesium alloys in a synthetic sweat medium. <i>Surface and Coatings Technology</i> , 2014 , 238, 126-132 | 4.4 | 37 |
| 17 | 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 | 6.7 | 43 |
| 16 | Electrochemical Corrosion Behavior of Magnesium Alloys in Biological Solutions 2011 , | | 1 |
| 15 | 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 | 3.1 | 9 |
| 14 | Cyclic Voltammetric Studies on Selected Tin-Silver Binary Alloys in Sodium Hydroxide Solution. <i>Corrosion</i> , 2010 , 66, 115001-115001-12 | 1.8 | 1 |
| 13 | Corrosion protection of mild steel by polyvinylsilsesquioxanes coatings in 3% NaCl solution. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 739-747 | 2.6 | 19 |

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|----|---|-----|-----|
| 12 | 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 | 6.7 | 52 |
| 11 | 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 | 6.7 | 69 |
| 10 | 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 | 6.7 | 35 |
| 9 | Electrochemical impedance studies of modified NiP and NiCuP deposits in alkaline medium. <i>Electrochimica Acta</i> , 2010 , 55, 5922-5929 | 6.7 | 41 |
| 8 | Acetyl thiourea chitosan as an eco-friendly inhibitor for mild steel in sulphuric acid medium. <i>Electrochimica Acta</i> , 2010 , 55, 1933-1939 | 6.7 | 174 |
| 7 | Interface analysis of pure Sn, pure Ag and Sn-Ag binary alloys in H ₂ SO ₄ . <i>Surface and Interface Analysis</i> , 2010 , 42, 95-101 | 1.5 | 2 |
| 6 | Electrochemical Behavior of Sn-Ag Alloys in Alkaline Solutions. <i>Corrosion</i> , 2009 , 65, 587-594 | 1.8 | 6 |
| 5 | The electrochemical behavior of Sn-Ag binary alloys in sulfate solutions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2009 , 61, 580-589 | 1.6 | 2 |
| 4 | Electrochemical behavior of AZ91D magnesium alloy in phosphate medium Part I. Effect of pH. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 583-591 | 2.6 | 32 |
| 3 | Electrochemical behavior of AZ91D magnesium alloy in phosphate medium: Part II. Induced passivation. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 1633-1642 | 2.6 | 30 |
| 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 | 6.7 | 93 |
| 1 | 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 | 3.9 | 32 |