

Amany Fekry

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1957194/amany-fekry-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	Electrochemical impedance studies of modified Ni ₂ P and Ni ₂ Cu ₂ P deposits in alkaline medium. <i>Electrochimica Acta</i> , 2010 , 55, 5922-5929	6.7	41
55	A novel electrochemical nicotine sensor based on cerium nanoparticles with anionic surfactant. <i>RSC Advances</i> , 2015 , 5, 51662-51671	3.7	38
54	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
53	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
52	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
51	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
50	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
49	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

48	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
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. <i>Sensors</i> , 2020 , 20,	3.8	12
36	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
35	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
34	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
33	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
32	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
31	Enhanced oxygen evolution reaction over glassy carbon electrode modified with NiOx and Fe3O4. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 1932-1939	2.8	10

30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	A Zirconium Oxide Nanoparticle Modified Screen-printed Electrode for Anodic Stripping Determination of Daclatasvir Dihydrochloride. <i>Electroanalysis</i> , 2019 , 31, 858-866	3	6
21	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
20	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
19	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
18	Electrochemical Behavior of Sn-Ag Alloys in Alkaline Solutions. <i>Corrosion</i> , 2009 , 65, 587-594	1.8	6
17	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
16	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
15	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
14	Electrochemical and interface analysis of titanium alloy in simulated body fluid. <i>Surface and Interface Analysis</i> , 2014 , 46, 65-71	1.5	4
13	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

12	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
11	Electroanalytical Determination of Escitalopram Oxalate Using Nickel Nanoparticles Modified Carbon Paste Sensor. <i>Acta Chimica Slovenica</i> , 2017 , 64, 415-421	1.9	3
10	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
9	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
8	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
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	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
5	Electrochemical Corrosion Behavior of Magnesium Alloys in Biological Solutions 2011 ,		1
4	Cyclic Voltammetric Studies on Selected Tin-Silver Binary Alloys in Sodium Hydroxide Solution. <i>Corrosion</i> , 2010 , 66, 115001-115001-12	1.8	1
3	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
2	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	
1	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	