

abd-Elgawad Radi

List of Publications by Year in descending order

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96
papers

3,393
citations

201674

27
h-index

155660

55
g-index

97
all docs

97
docs citations

97
times ranked

3303
citing authors

#	ARTICLE	IF	CITATIONS
1	Reagentless, Reusable, Ultrasensitive Electrochemical Molecular Beacon Aptasensor. Journal of the American Chemical Society, 2006, 128, 117-124.	13.7	588
2	Reusable Impedimetric Aptasensor. Analytical Chemistry, 2005, 77, 6320-6323.	6.5	257
3	Aptamer conformational switch as sensitive electrochemical biosensor for potassium ion recognition. Chemical Communications, 2006, , 3432.	4.1	183
4	Label-free impedimetric immunosensor for sensitive detection of ochratoxin A. Biosensors and Bioelectronics, 2009, 24, 1888-1892.	10.1	135
5	Electrocatalytic oxidation of hydrazine at o-aminophenol grafted modified glassy carbon electrode: Reusable hydrazine amperometric sensor. Journal of Electroanalytical Chemistry, 2006, 592, 139-146.	3.8	97
6	Highly sensitive ochratoxin A impedimetric aptasensor based on the immobilization of azido-aptamer onto electrografted binary film via click chemistry. Talanta, 2013, 103, 14-19.	5.5	96
7	Electrochemical study of the interaction of levofloxacin with DNA. Analytica Chimica Acta, 2003, 495, 61-67.	5.4	88
8	Determination of levofloxacin in human urine by adsorptive square-wave anodic stripping voltammetry on a glassy carbon electrode. Talanta, 2002, 58, 319-324.	5.5	86
9	Resonant and Nonresonant Behavior of the Anodic Dissolution of Silicon in Fluoride Media: An Impedance Study. Journal of the Electrochemical Society, 1992, 139, 2491-2501.	2.9	74
10	An electrochemical immunosensor for ochratoxin A based on immobilization of antibodies on diazonium-functionalized gold electrode. Electrochimica Acta, 2009, 54, 2180-2184.	5.2	74
11	Determination of Norfloxacin by square-wave adsorptive voltammetry on a glassy carbon electrode. Journal of Pharmaceutical and Biomedical Analysis, 2001, 25, 205-210.	2.8	70
12	Electrochemical Aptamer-Based Biosensors: Recent Advances and Perspectives. International Journal of Electrochemistry, 2011, 2011, 1-17.	2.4	69
13	Voltammetry of melatonin at carbon electrodes and determination in capsules. Bioelectrochemistry, 1998, 45, 275-279.	1.0	67
14	Anodic voltammetric assay of lansoprazole and omeprazole on a carbon paste electrode. Journal of Pharmaceutical and Biomedical Analysis, 2003, 31, 1007-1012.	2.8	53
15	Electrocatalytic sensing of NADH on a glassy carbon electrode modified with electrografted o-aminophenol film. Electrochemistry Communications, 2006, 8, 1719-1725.	4.7	51
16	Electronic "Off-On"™ Molecular Switch for Rapid Detection of Thrombin. Electroanalysis, 2006, 18, 1957-1962.	2.9	49
17	Simultaneous detection of ascorbate and uric acid using a selectively catalytic surface. Analytica Chimica Acta, 2007, 583, 182-189.	5.4	49
18	Electrochemical Aptasensors: Current Status and Future Perspectives. Diagnostics, 2021, 11, 104.	2.6	45

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19	Novel Protocol for Covalent Immobilization of Horseradish Peroxidase on Gold Electrode Surface. <i>Electroanalysis</i> , 2009, 21, 696-700.	2.9	41
20	ELECTROCHEMICAL OXIDATION OF MELOXICAM AND ITS DETERMINATION IN TABLET DOSAGE FORM. <i>Analytical Letters</i> , 2001, 34, 739-748.	1.8	39
21	Voltammetric and spectroscopic studies on the binding of the antitumor drug dacarbazine with DNA. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 24-28.	3.8	37
22	Electrochemical impedance sensor for herbicide alachlor based on imprinted polymer receptor. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 171-177.	3.8	37
23	Electrochemical and Spectral studies on the Interaction of the Antiparasitic Drug Nitazoxanide with DNA. <i>Electrochimica Acta</i> , 2014, 129, 259-265.	5.2	36
24	Accumulation and trace measurement of chloroquine drug at DNA-modified carbon paste electrode. <i>Talanta</i> , 2004, 65, 271-5.	5.5	34
25	Differential pulse voltammetric determination of carvedilol in tablets dosage form using glassy carbon electrode. <i>Il Farmaco</i> , 2005, 60, 43-46.	0.9	34
26	Voltammetric behaviour of rabeprazole at a glassy carbon electrode and its determination in tablet dosage form. <i>Il Farmaco</i> , 2004, 59, 515-518.	0.9	29
27	Stripping voltammetric determination of indapamide in serum at castor oil-based carbon paste electrodes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 413-419.	2.8	28
28	Reagentless detection of alkaline phosphatase using electrochemically grafted films of aromatic diazonium salts. <i>Journal of Electroanalytical Chemistry</i> , 2006, 587, 140-147.	3.8	28
29	Novel Amperometric Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Azide Covalently Immobilized on Ethynyl-Modified Screen-Printed Carbon Electrode via Click Chemistry. <i>Electroanalysis</i> , 2012, 24, 1446-1452.	2.9	27
30	Molecularly Imprinted Impedimetric Sensor for Determination of Mycotoxin Zearalenone. <i>Electroanalysis</i> , 2020, 32, 1788-1794.	2.9	27
31	Electrochemical Oxidation of the Hypoglycaemic Drug Gliclazide. <i>Analytical Letters</i> , 1999, 32, 1603-1612.	1.8	26
32	Electrochemical reduction of meloxicam at mercury electrode and its determination in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 27, 795-801.	2.8	26
33	Spectroscopic and voltammetric studies of Pefloxacin bound to calf thymus double-stranded DNA. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 451-455.	3.7	26
34	Determination of pantoprazole by adsorptive stripping voltammetry at carbon paste electrode. <i>Il Farmaco</i> , 2003, 58, 535-539.	0.9	25
35	Electrochemical Study of the Antineoplastic Agent Etoposide at Carbon Paste Electrode and Its Determination in Spiked Human Serum by Differential Pulse Voltammetry. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 1379-1382.	1.3	24
36	Mediatorless Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Immobilized on 4-Carboxyphenyl Film Electrografted on Gold Electrode. <i>Electroanalysis</i> , 2008, 20, 2557-2562.	2.9	24

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37	A Third-Generation Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Covalently Immobilized on Electrografted Organic Film on Screen-Printed Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 1624-1629.	2.9	24
38	Electrochemical determination of gatifloxacin, moxifloxacin and sparfloxacin fluoroquinolonic antibiotics on glassy carbon electrode in pharmaceutical formulations. <i>Drug Testing and Analysis</i> , 2010, 2, 397-400.	2.6	24
39	Electrochemical and Spectroscopic Studies on the Interaction of Gatifloxacin, Moxifloxacin and Sparfloxacin with DNA and Their Analytical Applications. <i>Electroanalysis</i> , 2010, 22, 2665-2671.	2.9	24
40	Cathodic Adsorptive Stripping Square-Wave Voltammetry of the Anti-inflammatory Drug Meloxicam.. <i>Chemical and Pharmaceutical Bulletin</i> , 2001, 49, 1257-1260.	1.3	23
41	Square-wave adsorptive cathodic stripping voltammetry of pantoprazole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 687-692.	2.8	23
42	Molecularly imprinted polymer based electrochemical sensor for the determination of the anthelmintic drug oxfendazole. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 135-141.	3.8	23
43	Electrochemical Sensors Based on Molecularly Imprinted Polymers for Pharmaceuticals Analysis. <i>Current Analytical Chemistry</i> , 2019, 15, 219-239.	1.2	23
44	Applications of Stripping Voltammetry at Carbon Paste and Chemically Modified Carbon Paste Electrodes to Pharmaceutical Analysis. <i>Current Pharmaceutical Analysis</i> , 2006, 2, 1-8.	0.6	22
45	Electrochemical reduction of secnidazole and its determination in tablets. <i>Electroanalysis</i> , 1997, 9, 625-628.	2.9	20
46	Impedimetric sensor for deoxynivalenol based on electropolymerised molecularly imprinted polymer on the surface of screen-printed gold electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2586-2597.	3.3	20
47	Determination of ketorolac in human serum by square wave adsorptive stripping voltammetry. <i>Talanta</i> , 2001, 54, 283-289.	5.5	18
48	Electrochemical study of indapamide and its complexation with β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 71, 95-102.	1.6	18
49	Anodic Voltammetric determination of gemifloxacin using screen-printed carbon electrode. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 132-136.	5.3	18
50	Determination of coccidiostat clodolol on an electropolymerized-molecularly imprinted polypyrrole polymer modified screen printed carbon electrode. <i>Analytical Methods</i> , 2014, 6, 7967-7972.	2.7	18
51	Voltammetric study of khellin at a DNA-coated carbon paste electrode. <i>Analytica Chimica Acta</i> , 1999, 386, 63-68.	5.4	17
52	Determination of Nifuroxazide in Human Serum by Adsorptive Stripping Voltammetry.. <i>Analytical Sciences</i> , 1999, 15, 385-388.	1.6	17
53	Square-Wave Adsorptive Stripping Voltammetric Determination of the Anti-Inflammatory Drug Lornoxicam.. <i>Analytical Sciences</i> , 2002, 18, 183-186.	1.6	17
54	Recent Updates of Chemically Modified Electrodes in Pharmaceutical Analysis. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 728-752.	1.1	16

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55	Preconcentration and Voltammetric Determination of Indomethacin at Carbon Paste Electrodes. <i>Electroanalysis</i> , 1998, 10, 103-106.	2.9	15
56	Voltammetric and ultravioletâ€“visible spectroscopic studies on the interaction of etoposide with deoxyribonucleic acid. <i>Electrochimica Acta</i> , 2013, 113, 164-169.	5.2	15
57	Voltammetric behavior of mycotoxin zearalenone at a single walled carbon nanotube screen-printed electrode. <i>Analytical Methods</i> , 2019, 11, 4494-4500.	2.7	14
58	Reaction of electrogenerated oxamniquine radical anion with glutathione. <i>Journal of Electroanalytical Chemistry</i> , 1998, 441, 39-42.	3.8	13
59	Determination of Nifuroxazide in Capsules by Differential Pulse Polarography.. <i>Analytical Sciences</i> , 1998, 14, 607-608.	1.6	13
60	Assay of dipyrindamole in human serum using cathodic adsorptive square-wave stripping voltammetry. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 289-293.	3.7	13
61	Differential pulse voltammetric determination of the dopaminergic agonist bromocriptine at glassy carbon electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 195-198.	2.8	13
62	Electrochemical behavior and analytical determination of Reactive Red 231 on glassy carbon electrode. <i>Dyes and Pigments</i> , 2013, 99, 924-929.	3.7	13
63	Voltammetric study of nifuroxazide at unmodified and Sephadex-modified carbon paste electrodes. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 590-594.	1.5	12
64	Voltammetric and spectrophotometric study on the complexation of glibenclamide with β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 417-421.	1.6	12
65	Electrochemical Study of Glizalazide and Its Complexation with β -Cyclodextrin. <i>Electroanalysis</i> , 2010, 22, 2991-2996.	2.9	12
66	Electrochemical study of vinylsulphone azo dye Reactive Black 5 and its determination at a glassy carbon electrode. <i>Journal of Analytical Chemistry</i> , 2012, 67, 890-894.	0.9	12
67	Adsorptive stripping square-wave voltammetric behavior of rofecoxib. <i>Microchemical Journal</i> , 2002, 72, 35-41.	4.5	11
68	Adsorptive stripping square-wave voltammetric study of the degradation of lansoprazole in aqueous solutions. <i>Microchemical Journal</i> , 2002, 73, 349-354.	4.5	11
69	Determination of cefonicid in human urine by adsorptive square-wave stripping voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 1041-1046.	2.8	11
70	Electrochemical Study of Zolpidem at Glassy Carbon Electrode and Its Determination in a Tablet Dosage Form by Differential Pulse Voltammetry. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1063-1065.	1.3	11
71	Electroanalysis of melatonin using castor oilâ€“graphite paste electrode. <i>Analytical Communications</i> , 1999, 36, 43-44.	2.2	10
72	Adsorptive Stripping Determination of Trifluralin on a Glassy Carbon Electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 76, 61-68.	3.3	10

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73	Voltammetric study of glibenclamide at carbon paste and Sephadex-modified carbon paste electrodes. Analytical and Bioanalytical Chemistry, 2004, 378, 822-826.	3.7	10
74	Determination of Esomeprazole on an Electropolymerized L-Arginine and β -cyclodextrin Modified Screen Printed Carbon Electrode. Electroanalysis, 2016, 28, 1112-1118.	2.9	9
75	Imprinted polypyrrole recognition film @cobalt oxide/electrochemically reduced graphene oxide nanocomposite for carbendazim sensing. Journal of Applied Electrochemistry, 2022, 52, 45-53.	2.9	9
76	DETERMINATION OF LANSOPRAZOLE IN HUMAN SERUM BY SQUARE WAVE ADSORPTIVE STRIPPING VOLTAMMETRY. Analytical Letters, 2002, 35, 2449-2458.	1.8	8
77	Anodic voltammetric methods for determination of the antiparasitic drug nitazoxanide in bulk form, pharmaceutical formulation, and its metabolite tizoxanide in human serum. Monatshefte für Chemie, 2012, 143, 697-702.	1.8	8
78	Electrochemical Study of the Interaction of the Alkylating Agent Busulfan with Double Strand DNA. Electroanalysis, 2013, 25, 2463-2469.	2.9	8
79	Molecularly Imprinted Electrochemical Sensor for the Detection of Organophosphorus Pesticide Profenofos. Electroanalysis, 2021, 33, 1945-1951.	2.9	8
80	Preconcentration and Differential Pulse Voltammetry of Tegaserod at a Glassy Carbon Electrode. Analytical Letters, 2004, 37, 1103-1113.	1.8	7
81	Preconcentration and Voltammetric Study of Nicergoline at a Carbon Paste Electrode. Mikrochimica Acta, 1999, 132, 49-53.	5.0	6
82	Voltammetric Determination of Flunixin on Molecularly Imprinted Polypyrrole Modified Glassy Carbon Electrode. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-7.	1.6	6
83	Electrocatalytic oxidation of zearalenone on cobalt phthalocyanine-modified screen-printed carbon electrode. Monatshefte für Chemie, 2020, 151, 45-50.	1.8	6
84	Molecularly Imprinted Poly(2-phenylenediamine) Electrochemical Sensor for Entacapone. Electroanalysis, 2021, 33, 1578-1584.	2.9	6
85	Graphene oxide/graphene quantum dots: A platform for probing ds-DNA-dimethoate interaction and dimethoate sensing. Journal of Electroanalytical Chemistry, 2021, 899, 115678.	3.8	6
86	Electrochemical study of glimepiride and its complexation with β -cyclodextrin. Collection of Czechoslovak Chemical Communications, 2011, 76, 13-25.	1.0	5
87	Determination of Secnidazole in Urine by Adsorptive Stripping Voltammetry.. Chemical and Pharmaceutical Bulletin, 2000, 48, 600-602.	1.3	4
88	Electrochemical and spectral characterization of the host-guest inclusion complex of the antiparasitic drug nitazoxanide with β -cyclodextrin. Monatshefte für Chemie, 2014, 145, 421-426.	1.8	4
89	A halofuginone electrochemical sensor based on a molecularly imprinted polypyrrole coated glassy carbon electrode. Analytical Methods, 2015, 7, 8152-8158.	2.7	4
90	Differential Pulse Voltammetric Determination of Loperamide in a Pharmaceutical Dosage Form. Scientia Pharmaceutica, 2004, 72, 239-248.	2.0	3

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91	Determination of Dimarene Blue X-BLN at a glassy carbon electrode by differential pulse voltammetry. Collection of Czechoslovak Chemical Communications, 2011, 76, 1765-1773.	1.0	3
92	Investigation of antimalarial drug pyrimethamine and its interaction with dsDNA by electrochemical and spectroscopic techniques. Analytical Methods, 2015, 7, 4159-4167.	2.7	3
93	Electrochemical sensing of the interaction of the anti-infective agent pentamidine with DNA. Monatshefte für Chemie, 2021, 152, 167-173.	1.8	2
94	Electrochemical Determination of Cibacron Red FN-R at Glassy Carbon Electrode. Portugaliae Electrochimica Acta, 2010, 28, 417-424.	1.1	2
95	Anodic Adsorptive Stripping Voltammetric Determination of Rafoxanide on Glassy Carbon Electrode. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 1002-1009.	1.1	1
96	Glycerol Electrocatalytic Oxidation on Nickel Hydroxide Nanoparticles/Poly-Eriochrome Black T Modified Electrode. Electrocatalysis, 0, , .	3.0	0