

Rajendra N Goyal

List of Publications by Year in descending order

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186
papers

7,763
citations

50170

46
h-index

58464

82
g-index

188
all docs

188
docs citations

188
times ranked

5910
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric biosensors for the determination of paracetamol at carbon nanotube modified pyrolytic graphite electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 252-258.	4.0	389
2	Fullerene-C60-modified electrode as a sensitive voltammetric sensor for detection of nandrolone—An anabolic steroid used in doping. <i>Analytica Chimica Acta</i> , 2007, 597, 82-89.	2.6	345
3	Conducting polymer-based electrochemical biosensors for neurotransmitters: A review. <i>Biosensors and Bioelectronics</i> , 2018, 102, 540-552.	5.3	292
4	Fullerene-C60-modified edge plane pyrolytic graphite electrode for the determination of dexamethasone in pharmaceutical formulations and human biological fluids. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1649-1654.	5.3	250
5	A sensitive voltammetric sensor for determination of synthetic corticosteroid triamcinolone, abused for doping. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3562-3568.	5.3	250
6	Differential pulse voltammetric determination of paracetamol at nanogold modified indium tin oxide electrode. <i>Electrochemistry Communications</i> , 2005, 7, 803-807.	2.3	249
7	Gold nanoparticles modified indium tin oxide electrode for the simultaneous determination of dopamine and serotonin: Application in pharmaceutical formulations and biological fluids. <i>Talanta</i> , 2007, 72, 976-983.	2.9	227
8	Electrochemical oxidation of 2,3-dideoxyadenosine at pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2008, 53, 5354-5360.	2.6	223
9	Voltammetric determination of paracetamol at C60-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2006, 51, 3008-3012.	2.6	211
10	Sensors for 5-hydroxytryptamine and 5-hydroxyindole acetic acid based on nanomaterial modified electrodes. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 816-821.	4.0	202
11	Simultaneous determination of adenosine and inosine using single-wall carbon nanotubes modified pyrolytic graphite electrode. <i>Talanta</i> , 2008, 76, 662-668.	2.9	200
12	Voltammetric determination of adenosine and guanosine using fullerene-C60-modified glassy carbon electrode. <i>Talanta</i> , 2007, 71, 1110-1117.	2.9	184
13	Comparative studies of neodymium (III)-selective PVC membrane sensors. <i>Analytica Chimica Acta</i> , 2009, 647, 66-71.	2.6	183
14	Differential pulse voltammetric determination of atenolol in pharmaceutical formulations and urine using nanogold modified indium tin oxide electrode. <i>Electrochemistry Communications</i> , 2006, 8, 65-70.	2.3	180
15	In situ high temperature XRD studies of ZnO nanopowder prepared via cost effective ultrasonic mist chemical vapour deposition. <i>Bulletin of Materials Science</i> , 2008, 31, 573-577.	0.8	121
16	Graphene/conducting polymer nano-composite loaded screen printed carbon sensor for simultaneous determination of dopamine and 5-hydroxytryptamine. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 993-1002.	4.0	117
17	In vitro chloramphenicol detection in a <i>Haemophilus influenzae</i> model using an aptamer-polymer based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 55, 337-342.	5.3	112
18	Anion recognition using newly synthesized hydrogen bonding disubstituted phenylhydrazone-based receptors: Poly(vinyl chloride)-based sensor for acetate. <i>Talanta</i> , 2008, 76, 859-864.	2.9	102

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19	Gold-palladium nanoparticles aided electrochemically reduced graphene oxide sensor for the simultaneous estimation of lomefloxacin and amoxicillin. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 658-668.	4.0	86
20	Voltammetric determination of atenolol at C60-modified glassy carbon electrodes. <i>Talanta</i> , 2006, 69, 932-937.	2.9	82
21	Electrochemical investigations of diclofenac at edge plane pyrolytic graphite electrode and its determination in human urine. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 743-748.	4.0	82
22	Electrochemical sensor for the simultaneous determination of caffeine and aspirin in human urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2011, 655, 97-102.	1.9	79
23	Graphene modified Palladium sensor for electrochemical analysis of norepinephrine in pharmaceuticals and biological fluids. <i>Electrochimica Acta</i> , 2014, 125, 622-629.	2.6	78
24	Investigation on the downregulation of dopamine by acetaminophen administration based on their simultaneous determination in urine. <i>Biosensors and Bioelectronics</i> , 2013, 39, 139-144.	5.3	77
25	Polymelamine modified edge plane pyrolytic graphite sensor for the electrochemical assay of serotonin. <i>Talanta</i> , 2014, 120, 17-22.	2.9	75
26	Simultaneous determination of epinephrine and norepinephrine in human blood plasma and urine samples using nanotubes modified edge plane pyrolytic graphite electrode. <i>Talanta</i> , 2011, 84, 78-83.	2.9	74
27	Voltammetric determination of amlodipine besylate in human urine and pharmaceuticals. <i>Bioelectrochemistry</i> , 2010, 79, 234-240.	2.4	73
28	The effect of modifying an edge-plane pyrolytic graphite electrode with single-wall carbon nanotubes on its use for sensing diclofenac. <i>Carbon</i> , 2010, 48, 4136-4144.	5.4	71
29	Electrochemical investigations of adenosine at solid electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2002, 521, 72-80.	1.9	66
30	A review on determination of steroids in biological samples exploiting nanobio-electroanalytical methods. <i>Analytica Chimica Acta</i> , 2013, 762, 14-24.	2.6	65
31	Chloride selective potentiometric sensor based on a newly synthesized hydrogen bonding anion receptor. <i>Electrochimica Acta</i> , 2009, 54, 4216-4222.	2.6	64
32	Synthesis and biological evaluation of 2-thiopyrimidine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 3185-3195.	1.4	62
33	A novel multi-walled carbon nanotube modified sensor for the selective determination of epinephrine in smokers. <i>Electrochimica Acta</i> , 2011, 56, 2717-2724.	2.6	62
34	Electrochemical sensor for the sensitive determination of norfloxacin in human urine and pharmaceuticals. <i>Bioelectrochemistry</i> , 2012, 83, 46-51.	2.4	62
35	Electrochemical and enzymic oxidation of guanosine and 8-hydroxyguanosine and the effects of oxidation products in mice. <i>Bioelectrochemistry</i> , 1997, 43, 105-114.	1.0	60
36	A copper-selective electrode based on bis(acetylaceton)propyleneimine. <i>Talanta</i> , 2005, 68, 193-197.	2.9	55

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37	Simultaneous voltammetric determination of dopamine and adenosine using a single walled carbon nanotube Modified glassy carbon electrode. <i>Carbon</i> , 2008, 46, 1556-1562.	5.4	55
38	Effect of surface modification of indium tin oxide by nanoparticles on the electrochemical determination of tryptophan. <i>Talanta</i> , 2011, 85, 2626-2631.	2.9	55
39	Aluminium (III)-selective PVC membrane sensor based on a Schiff base complex of N,N ² -bis (salicylidene)-1, 2-cyclohexanediamine. <i>Electrochimica Acta</i> , 2009, 54, 3218-3224.	2.6	53
40	Oxidation chemistry of adenine and hydroxyadenines at pyrolytic graphite electrodes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1369.	0.9	52
41	Silver nanoparticles decorated graphene nanoribbon modified pyrolytic graphite sensor for determination of histamine. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 383-391.	4.0	52
42	Fast determination of salbutamol, abused by athletes for doping, in pharmaceuticals and human biological fluids by square wave voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2007, 611, 140-148.	1.9	51
43	Gold Nanoparticles and Nanocomposites in Clinical Diagnostics Using Electrochemical Methods. <i>Journal of Nanoparticles</i> , 2013, 2013, 1-12.	1.4	51
44	Detection of norfloxacin and monitoring its effect on caffeine catabolism in urine samples. <i>Biosensors and Bioelectronics</i> , 2013, 47, 307-312.	5.3	49
45	Graphene and Co-polymer composite based molecularly imprinted sensor for ultratrace determination of melatonin in human biological fluids. <i>RSC Advances</i> , 2015, 5, 40444-40454.	1.7	49
46	Comparative studies of praseodymium(III) selective sensors based on newly synthesized Schiff's bases. <i>Analytica Chimica Acta</i> , 2009, 653, 161-166.	2.6	48
47	Differential pulse voltammetric determination of methylprednisolone in pharmaceuticals and human biological fluids. <i>Analytica Chimica Acta</i> , 2007, 605, 34-40.	2.6	45
48	Nanopalladium grained polymer nanocomposite based sensor for the sensitive determination of Melatonin. <i>Electrochimica Acta</i> , 2016, 211, 18-26.	2.6	45
49	Voltammetric determination of bisoprolol fumarate in pharmaceutical formulations and urine using single-wall carbon nanotubes modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2008, 53, 2802-2808.	2.6	44
50	Comparison of spherical nanogold particles and nanogold plates for the oxidation of dopamine and ascorbic acid. <i>Journal of Electroanalytical Chemistry</i> , 2009, 631, 58-61.	1.9	43
51	Nanogold based electrochemical sensor for determination of norepinephrine in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 232-238.	4.0	42
52	Electrochemical investigations of corticosteroid isomers testosterone and epitestosterone and their simultaneous determination in human urine. <i>Analytica Chimica Acta</i> , 2010, 657, 147-153.	2.6	40
53	A novel graphene and conductive polymer modified pyrolytic graphite sensor for determination of propranolol in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 791-798.	4.0	40
54	Electroanalysis of antitubercular drugs in pharmaceutical dosage forms and biological fluids: A review. <i>Analytica Chimica Acta</i> , 2015, 853, 59-76.	2.6	40

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55	The electrochemical sensor for methanol detection using silicon epoxy coated platinum nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 45-50.	4.0	39
56	Nickel(II)-selective sensor based on dibenzo-18-crown-6 in PVC matrix. <i>Talanta</i> , 2007, 71, 795-800.	2.9	37
57	Simultaneous determination of guanosine and guanosine-5'-triphosphate in biological sample using gold nanoparticles modified indium tin oxide electrode. <i>Analytica Chimica Acta</i> , 2007, 581, 32-36.	2.6	37
58	A comparison of edge- and basal-plane pyrolytic graphite electrodes towards the sensitive determination of hydrocortisone. <i>Talanta</i> , 2010, 83, 149-155.	2.9	37
59	A facile method to anchor reduced graphene oxide polymer nanocomposite on the glassy carbon surface and its application in the voltammetric estimation of tryptophan in presence of 5-hydroxytryptamine. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 445-453.	4.0	36
60	A new Zn(II)-selective potentiometric sensor based on 4-tert-butylcalix[4]arene in PVC matrix. <i>Talanta</i> , 2006, 69, 1149-1155.	2.9	34
61	Molecularly imprinted sensor based on o-aminophenol for the selective determination of norepinephrine in pharmaceutical and biological samples. <i>Talanta</i> , 2014, 125, 167-173.	2.9	34
62	Carbon nanotube embedded poly 1,5-diaminonaphthalene modified pyrolytic graphite sensor for the determination of sulfacetamide in pharmaceutical formulations. <i>Talanta</i> , 2014, 118, 96-103.	2.9	34
63	Simultaneous analysis of dopamine and 5-hydroxyindoleacetic acid at nanogold modified screen printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 72-81.	4.0	34
64	Determination of 8-Hydroxydeoxyguanosine: A potential biomarker of oxidative stress, using carbon-allotropic nanomaterials modified glassy carbon sensor. <i>Talanta</i> , 2016, 161, 735-742.	2.9	34
65	Growth and characterization of iron oxide nanocrystalline thin films via low-cost ultrasonic spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2009, 116, 638-644.	2.0	33
66	Simultaneous voltammetric determination of prednisone and prednisolone in human body fluids. <i>Talanta</i> , 2009, 79, 768-774.	2.9	33
67	Effect of graphite and metallic impurities of C60 fullerene on determination of salbutamol in biological fluids. <i>Talanta</i> , 2008, 75, 63-69.	2.9	32
68	Fabrication of Fe_2O_3 Nanopowder Modified Glassy Carbon Electrode for Applications in Electrochemical Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4692-4699.	0.9	32
69	Fullerene C60 modified gold electrode and nanogold modified indium tin oxide electrode for prednisolone determination. <i>Bioelectrochemistry</i> , 2009, 74, 272-277.	2.4	32
70	Ag ion irradiated based sensor for the electrochemical determination of epinephrine and 5-hydroxytryptamine in human biological fluids. <i>Analytica Chimica Acta</i> , 2012, 743, 33-40.	2.6	31
71	7-S-Glutathionyl-tryptamine-4,5-dione: A possible aberrant metabolite of serotonin. <i>Biochemical Pharmacology</i> , 1993, 46, 1637-1652.	2.0	30
72	AuNPs-poly-DAN modified pyrolytic graphite sensor for the determination of Cefpodoxime Proxetil in biological fluids. <i>Talanta</i> , 2013, 108, 30-37.	2.9	29

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73	Oxidation chemistry and biochemistry of indole and effect of its oxidation product in albino mice. <i>Bioelectrochemistry</i> , 1998, 45, 47-53.	1.0	28
74	A melamine based molecularly imprinted sensor for the determination of 8-hydroxydeoxyguanosine in human urine. <i>Talanta</i> , 2017, 166, 215-222.	2.9	28
75	Electrochemical oxidation of adenosine monophosphate at a pyrolytic graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003, 557, 147-155.	1.9	27
76	Effect of gold nanoparticle attached multi-walled carbon nanotube-layered indium tin oxide in monitoring the effect of paracetamol on the release of epinephrine. <i>Analytica Chimica Acta</i> , 2011, 693, 35-40.	2.6	26
77	Research progress in electroanalytical techniques for determination of antimalarial drugs in pharmaceutical and biological samples. <i>RSC Advances</i> , 2016, 6, 57580-57602.	1.7	26
78	Palladium nano particles decorated multi-walled carbon nanotubes modified sensor for the determination of 5-hydroxytryptophan in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1060-1068.	4.0	26
79	Voltammetric determination of anabolic steroid nandrolone at gold nanoparticles modified ITO electrode in biological fluids. <i>Talanta</i> , 2007, 72, 140-144.	2.9	24
80	A single-wall carbon nanotubes modified edge plane pyrolytic graphite sensor for determination of methylprednisolone in biological fluids. <i>Talanta</i> , 2009, 80, 586-592.	2.9	22
81	A Simple and Sensitive Poly(1,5-Diaminonaphthalene) Modified Sensor for the Determination of Sulfamethoxazole in Biological Samples. <i>Electroanalysis</i> , 2015, 27, 1229-1237.	1.5	22
82	Amino-terminal sequence analysis of arachin. <i>The Protein Journal</i> , 1984, 3, 395-401.	1.1	20
83	Fabrication and nanoindentation properties of TiN/NiTi thin films and their applications in electrochemical sensing. <i>Talanta</i> , 2009, 78, 964-969.	2.9	20
84	Graphene modified glassy carbon sensor for the determination of aspirin metabolites in human biological samples. <i>Talanta</i> , 2015, 143, 328-334.	2.9	20
85	Application of modified pyrolytic graphite electrode as a sensor in the simultaneous assay of adenine and adenosine monophosphate. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 198-203.	4.0	19
86	Glutaraldehyde sandwiched amino functionalized polymer based aptasensor for the determination and quantification of chloramphenicol. <i>RSC Advances</i> , 2015, 5, 69356-69364.	1.7	19
87	Sensitive determination of domperidone in biological fluids using a conductive polymer modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2015, 151, 1-7.	2.6	19
88	Simultaneous detection of ATP metabolites in human plasma and urine based on palladium nanoparticle and poly(bromocresol green) composite sensor. <i>Biosensors and Bioelectronics</i> , 2019, 126, 758-766.	5.3	19
89	Oxidation chemistry of indole-2-carboxylic acid. <i>Electrochimica Acta</i> , 2005, 50, 2135-2143.	2.6	18
90	Comparative studies of ONNO-based ligands as ionophores for palladium ion-selective membrane sensors. <i>Talanta</i> , 2009, 78, 484-490.	2.9	18

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91	A Biocompatible Nano Gold Modified Palladium Sensor for Determination of Dopamine in Biological Fluids. <i>Journal of the Electrochemical Society</i> , 2014, 161, H41-H46.	1.3	18
92	NiO@ZrO ₂ nanocomposite modified electrode for the sensitive and selective determination of efavirenz, an anti-HIV drug. <i>RSC Advances</i> , 2015, 5, 40057-40064.	1.7	18
93	Electro-oxidation of 6-mercaptopurine riboside with special emphasis on the stability of the dimer in aqueous solutions. <i>New Journal of Chemistry</i> , 2001, 25, 545-550.	1.4	17
94	Investigations of electron-transfer reactions and the redox mechanism of 2'-deoxyguanosine-5'-monophosphate using electrochemical techniques. <i>New Journal of Chemistry</i> , 2005, 29, 587-595.	1.4	17
95	Intrinsic magnetism in Zn _{1-x} Co _x O (0.03% <i>x</i> 0.10) thin films prepared by ultrasonic spray pyrolysis. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 315005.	0.7	17
96	Electrochemical investigations of 8-hydroxydeoxyguanosine and its determination at an edge plane pyrolytic graphite electrode. <i>RSC Advances</i> , 2016, 6, 1722-1728.	1.7	17
97	339 - Electrochemical and enzymatic oxidation of 3,9-dimethyl uric acid. <i>Bioelectrochemistry</i> , 1980, 7, 433-446.	1.0	16
98	Spectroelectrochemical evidence for imine-alcohol intermediate formed upon electrochemical oxidation of uric acid. <i>Bioelectrochemistry</i> , 1982, 9, 273-285.	1.0	16
99	Electrochemical oxidation and kinetics of the decay of UV-absorbing intermediate of uric acid oxidation at pyrolytic graphite electrodes. <i>Canadian Journal of Chemistry</i> , 1994, 72, 1668-1674.	0.6	16
100	Electrochemical and peroxidase-catalyzed oxidation of epinephrine. <i>Electrochimica Acta</i> , 2012, 59, 492-498.	2.6	16
101	Magnetron sputtered Cu ₃ N/NiTiCu shape memory thin film heterostructures for MEMS applications. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	16
102	A Sensitive Pyrolytic Graphite Sensor for Determination of Omeprazole in Human Blood Plasma and Pharmaceuticals. <i>Journal of the Electrochemical Society</i> , 2014, 161, H255-H259.	1.3	16
103	Gold nanoparticles decorated poly-melamine modified glassy carbon sensor for the voltammetric estimation of domperidone in pharmaceuticals and biological fluids. <i>Talanta</i> , 2015, 141, 53-59.	2.9	16
104	Estimation of Amoxicillin in Presence of High Concentration of Uric Acid and Other Urinary Metabolites Using an Unmodified Pyrolytic Graphite Sensor. <i>Journal of the Electrochemical Society</i> , 2015, 162, G8-G13.	1.3	16
105	Poly-Melamine Film Modified Sensor for the Sensitive and Selective Determination of Propranolol, a β -blocker in Biological Fluids. <i>Journal of the Electrochemical Society</i> , 2016, 163, H388-H394.	1.3	16
106	A poly-(melamine)/poly-(glutamic acid) based electrochemical sensor for sensitive determination of 2-Thioxanthine. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 552-562.	4.0	16
107	Effect of Cetyltrimethyl Ammonium Bromide on Electrochemical Determination of Dexamethasone. <i>Electroanalysis</i> , 2010, 22, 2330-2338.	1.5	15
108	Sensitive voltammetric sensor for the determination of oxidative DNA damage in calf thymus DNA. <i>Biosensors and Bioelectronics</i> , 2010, 26, 463-469.	5.3	15

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109	Simultaneous determination of melatonin and 5-hydroxytryptophan at the disposable poly-(melamine)/poly-(o-aminophenol) composite modified screen printed sensor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 874, 114458.	1.9	15
110	Electrochemical oxidation of guanosine-5'-monophosphate at the pyrolytic graphite electrode. <i>Perkin Transactions II RSC</i> , 2001, , 832-837.	1.1	14
111	Investigations into the electrooxidation of guanosine-5'-triphosphate at the pyrolytic graphite electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1683-1690.	1.9	13
112	Electrochemical oxidation of 2-thiouracil at pyrolytic graphite electrode. <i>Bioelectrochemistry</i> , 2005, 67, 7-13.	2.4	13
113	Effect of substrate and embedded metallic impurities of fullerene in the determination of nandrolone. <i>Analytica Chimica Acta</i> , 2009, 643, 95-99.	2.6	13
114	Effect of single walled carbon nanotube-cetyltrimethyl ammonium bromide nanocomposite film modified pyrolytic graphite on the determination of betamethasone in human urine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 200-205.	2.5	13
115	A novel nanogold-single wall carbon nanotube modified sensor for the electrochemical determination of 8-hydroxyguanine, a diabetes risk biomarker. <i>Bioelectrochemistry</i> , 2014, 99, 24-29.	2.4	13
116	Structural and electrochemical characterization of carbon ion beam irradiated reduced graphene oxide and its application in voltammetric determination of norepinephrine. <i>RSC Advances</i> , 2015, 5, 87504-87511.	1.7	13
117	A Sensitive Polymelamine Modified Sensor for the Determination of Lomefloxacin in Biological Fluids. <i>Journal of the Electrochemical Society</i> , 2015, 162, H86-H92.	1.3	13
118	Amino Functionalized Graphene Oxide and Polymer Nanocomposite Based Electrochemical Platform for Sensitive Assay of Anti-Doping Drug Atenolol in Biological Fluids. <i>Journal of the Electrochemical Society</i> , 2016, 163, B601-B608.	1.3	13
119	Electrooxidation of Chlorpromazine in Aqueous and Micellar Media and Spectroscopic Studies of the Derived Cationic Free Radical and Dication Species. <i>Monatshefte für Chemie</i> , 2001, 132, 575-585.	0.9	12
120	Studies of the behavior of 5-hydroxyindole-3-acetamide at a solid electrode. <i>Journal of Electroanalytical Chemistry</i> , 2005, 578, 185-192.	1.9	12
121	Electrochemical oxidation of inosine 5'-monophosphate in neutral aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 159-167.	1.9	12
122	Voltammetric Quantification of Adenine and Guanine at C ₆₀ Modified Glassy Carbon Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3699-3704.	0.9	12
123	Determination of methylprednisolone acetate in biological fluids at gold nanoparticles modified ITO electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1147-1153.	1.4	12
124	Melamine/Fe ₃ O ₄ Nanoparticles Based Molecular Imprinted Highly Sensitive Sensor for Determination of Hydrochlorothiazide: An Antihypertensive Drug. <i>Journal of the Electrochemical Society</i> , 2017, 164, B240-B246.	1.3	12
125	Oxidation of 2-aminoquinoline at a stationary pyrolytic graphite electrode. <i>Analytica Chimica Acta</i> , 1990, 230, 91-96.	2.6	11
126	Haematological and hepatotoxic effects of silken styles of corn in albino rats. <i>Journal of Applied Toxicology</i> , 1992, 12, 359-363.	1.4	11

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127	Oxidation chemistry of indole-3-methanol. Perkin Transactions II RSC, 2001, , 618-623.	1.1	11
128	Polarographic reduction of some potential antidiabetic compounds with more than one reduction site. Talanta, 1976, 23, 705-708.	2.9	10
129	Sensitive voltammetric sensor for determination of flumethasone pivalate, abused for doping by athletes. Sensors and Actuators B: Chemical, 2009, 137, 676-680.	4.0	10
130	Substrate Dependent Structural and Magnetic Properties of Pulsed Laser Deposited Fe ₃ O ₄ Thin Films. Journal of Nanoscience and Nanotechnology, 2010, 10, 8018-8025.	0.9	10
131	Graphene Nanoribbons/Poly-Bromocresol Green Based Sensor for the Simultaneous Determination of 3,4-Dihydroxyphenylacetic Acid and 5-Hydroxyindoleacetic Acid. Journal of the Electrochemical Society, 2017, 164, B695-B703.	1.3	10
132	Physico-chemical studies on some metal chelates of 5,5-dimethylcyclohexane-2-(2-hydroxyphenyl)hydrazono 1,3 dione (DCPHD). Journal of Inorganic and Nuclear Chemistry, 1981, 43, 2005-2009.	0.5	9
133	Single-Walled-Carbon-Nanotube-Modified Pyrolytic Graphite Electrode Used as a Simple Sensor for the Determination of Salbutamol in Urine. International Journal of Electrochemistry, 2011, 2011, 1-8.	2.4	9
134	Simultaneous Monitoring of Aspirin, Paracetamol and Caffeine in Human Urine at Poly-1,5-diaminonaphthalene Modified Pyrolytic Graphite Sensor. Journal of the Electrochemical Society, 2013, 160, G3014-G3019.	1.3	9
135	A Simple and Highly Selective Determination of Telmisartan at Sodium Dodecyl Sulfate Modified Pyrolytic Graphite Surface. Electroanalysis, 2018, 30, 892-900.	1.5	9
136	Oxidation chemistry and biochemistry of some biologically important purines and indoleamines. Bioelectrochemistry, 1994, 33, 75-81.	1.0	8
137	Comparison of electrochemical and enzymic oxidation of 1,3-dimethyluric acid. Bioelectrochemistry, 1998, 44, 201-208.	1.0	8
138	Oxidation chemistry of 2'-deoxyadenosine at pyrolytic graphite electrode. Bioelectrochemistry, 2006, 69, 223-233.	2.4	8
139	Further Insights into the Electrooxidation of N-Methyluric Acids and Correlation of Oxidation Potentials with Frontier MO Energies. Bulletin of the Chemical Society of Japan, 2000, 73, 1515-1524.	2.0	7
140	A Novel Hybrid Nanocomposite Grafted Electrochemically Reduced Graphene Oxide Based Sensor for Sensitive Determination of Efavirenz. Electroanalysis, 2017, 29, 456-465.	1.5	7
141	Edge plane pyrolytic graphite as a sensing surface for the determination of fluvoxamine in urine samples of obsessive-compulsive disorder patients. Biosensors and Bioelectronics, 2020, 168, 112489.	5.3	7
142	A Sensitive Voltammetric Sensor for Detecting Betamethasone in Biological Fluids. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 610-618.	0.6	7
143	International Symposium on Electroanalysis and Sensors in Biomedical, Environmental and Industrial Sciences. Analytical Proceedings, 1987, 24, 324.	0.4	6
144	Electrochemical and peroxidase-catalysed oxidation of 1-methyluric acid. Bioelectrochemistry, 1997, 43, 205-213.	1.0	6

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