

Rajendra N Goyal

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186
papers

6,434
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41
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74
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188
ext. papers

6,857
ext. citations

5.7
avg. IF

6.23
L-index

#	Paper	IF	Citations
186	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	8.5	344
185	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, 82-9	6.6	322
184	A sensitive voltammetric sensor for determination of synthetic corticosteroid triamcinolone, abused for doping. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3562-8	11.8	221
183	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, 1649-54	11.8	218
182	Differential pulse voltammetric determination of paracetamol at nanogold modified indium tin oxide electrode. <i>Electrochemistry Communications</i> , 2005 , 7, 803-807	5.1	218
181	Electrochemical oxidation of 2',3'-dideoxyadenosine at pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2008 , 53, 5354-5360	6.7	209
180	Conducting polymer-based electrochemical biosensors for neurotransmitters: A review. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 540-552	11.8	209
179	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, 976-83	6.2	200
178	Simultaneous determination of adenosine and inosine using single-wall carbon nanotubes modified pyrolytic graphite electrode. <i>Talanta</i> , 2008 , 76, 662-8	6.2	184
177	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	8.5	171
176	Voltammetric determination of paracetamol at C60-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2006 , 51, 3008-3012	6.7	170
175	Voltammetric determination of adenosine and guanosine using fullerene-C(60)-modified glassy carbon electrode. <i>Talanta</i> , 2007 , 71, 1110-7	6.2	167
174	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	5.1	155
173	Comparative studies of neodymium (III)-selective PVC membrane sensors. <i>Analytica Chimica Acta</i> , 2009 , 647, 66-71	6.6	154
172	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	1.7	97
171	Anion recognition using newly synthesized hydrogen bonding disubstituted phenylhydrazone-based receptors: poly(vinyl chloride)-based sensor for acetate. <i>Talanta</i> , 2008 , 76, 859-64	6.2	91
170	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	8.5	90

169	In vitro chloramphenicol detection in a Haemophilus influenza model using an aptamer-polymer based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 337-42	11.8	89
168	Voltammetric determination of atenolol at C(60)-modified glassy carbon electrodes. <i>Talanta</i> , 2006 , 69, 932-7	6.2	69
167	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	6.2	66
166	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	8.5	65
165	Graphene modified Palladium sensor for electrochemical analysis of norepinephrine in pharmaceuticals and biological fluids. <i>Electrochimica Acta</i> , 2014 , 125, 622-629	6.7	64
164	Electrochemical sensor for the simultaneous determination of caffeine and aspirin in human urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 655, 97-102	4.1	62
163	Investigation on the downregulation of dopamine by acetaminophen administration based on their simultaneous determination in urine. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 139-44	11.8	61
162	A review on determination of steroids in biological samples exploiting nanobio-electroanalytical methods. <i>Analytica Chimica Acta</i> , 2013 , 762, 14-24	6.6	59
161	Voltammetric determination of amlodipine besylate in human urine and pharmaceuticals. <i>Bioelectrochemistry</i> , 2010 , 79, 234-40	5.6	59
160	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	10.4	58
159	Polymelamine modified edge plane pyrolytic graphite sensor for the electrochemical assay of serotonin. <i>Talanta</i> , 2014 , 120, 17-22	6.2	57
158	Electrochemical investigations of adenosine at solid electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 521, 72-80	4.1	57
157	A novel multi-walled carbon nanotube modified sensor for the selective determination of epinephrine in smokers. <i>Electrochimica Acta</i> , 2011 , 56, 2717-2724	6.7	56
156	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	8.5	55
155	Electrochemical and enzymic oxidation of guanosine and 8-hydroxyguanosine and the effects of oxidation products in mice. <i>Bioelectrochemistry</i> , 1997 , 43, 105-114		50
154	Electrochemical sensor for the sensitive determination of norfloxacin in human urine and pharmaceuticals. <i>Bioelectrochemistry</i> , 2012 , 83, 46-51	5.6	49
153	Simultaneous voltammetric determination of dopamine and adenosine using a single walled carbon nanotube Modified glassy carbon electrode. <i>Carbon</i> , 2008 , 46, 1556-1562	10.4	48
152	Effect of surface modification of indium tin oxide by nanoparticles on the electrochemical determination of tryptophan. <i>Talanta</i> , 2011 , 85, 2626-31	6.2	47

151	Synthesis and biological evaluation of 2-thiopyrimidine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 3185-95	3.4	45
150	Oxidation chemistry of adenine and hydroxyadenines at pyrolytic graphite electrodes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991 , 1369		45
149	Aluminium (III)-selective PVC membrane sensor based on a Schiff base complex of N,N'-bis (salicylidene)-1, 2-cyclohexanediamine. <i>Electrochimica Acta</i> , 2009 , 54, 3218-3224	6.7	43
148	Chloride selective potentiometric sensor based on a newly synthesized hydrogen bonding anion receptor. <i>Electrochimica Acta</i> , 2009 , 54, 4216-4222	6.7	43
147	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	4.1	42
146	A copper-selective electrode based on bis(acetylaceton)propylenediimine. <i>Talanta</i> , 2005 , 68, 193-7	6.2	42
145	Detection of norfloxacin and monitoring its effect on caffeine catabolism in urine samples. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 307-12	11.8	41
144	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	4.1	40
143	Gold Nanoparticles and Nanocomposites in Clinical Diagnostics Using Electrochemical Methods. <i>Journal of Nanoparticles</i> , 2013 , 2013, 1-12		39
142	Differential pulse voltammetric determination of methylprednisolone in pharmaceuticals and human biological fluids. <i>Analytica Chimica Acta</i> , 2007 , 605, 34-40	6.6	38
141	Nanogold based electrochemical sensor for determination of norepinephrine in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2011 , 153, 232-238	8.5	37
140	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	6.7	37
139	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	3.7	36
138	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	8.5	34
137	The electrochemical sensor for methanol detection using silicon epoxy coated platinum nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 45-50	8.5	33
136	Silver nanoparticles decorated graphene nanoribbon modified pyrolytic graphite sensor for determination of histamine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 383-391	8.5	32
135	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	8.5	31
134	Electroanalysis of antitubercular drugs in pharmaceutical dosage forms and biological fluids: a review. <i>Analytica Chimica Acta</i> , 2015 , 853, 59-76	6.6	31

133	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	8.5	31
132	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	6.2	30
131	A comparison of edge- and basal-plane pyrolytic graphite electrodes towards the sensitive determination of hydrocortisone. <i>Talanta</i> , 2010 , 83, 149-55	6.2	30
130	Nickel(II)-selective sensor based on dibenzo-18-crown-6 in PVC matrix. <i>Talanta</i> , 2007 , 71, 795-800	6.2	30
129	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, 32-6	6.6	29
128	7-S-glutathionyl-tryptamine-4,5-dione: a possible aberrant metabolite of serotonin. <i>Biochemical Pharmacology</i> , 1993 , 46, 1637-52	6	28
127	AuNPs-poly-DAN modified pyrolytic graphite sensor for the determination of Cefpodoxime Proxetil in biological fluids. <i>Talanta</i> , 2013 , 108, 30-7	6.2	27
126	Fullerene C60 modified gold electrode and nanogold modified indium tin oxide electrode for prednisolone determination. <i>Bioelectrochemistry</i> , 2009 , 74, 272-7	5.6	27
125	Electrochemical oxidation of adenosine monophosphate at a pyrolytic graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 557, 147-155	4.1	27
124	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	4.4	26
123	Electrochemical investigations of corticosteroid isomers--testosterone and epitestosterone and their simultaneous determination in human urine. <i>Analytica Chimica Acta</i> , 2010 , 657, 147-53	6.6	26
122	Effect of graphite and metallic impurities of C60 fullerene on determination of salbutamol in biological fluids. <i>Talanta</i> , 2008 , 75, 63-9	6.2	26
121	Nanopalladium grained polymer nanocomposite based sensor for the sensitive determination of Melatonin. <i>Electrochimica Acta</i> , 2016 , 211, 18-26	6.7	25
120	Molecularly imprinted sensor based on o-aminophenol for the selective determination of norepinephrine in pharmaceutical and biological samples. <i>Talanta</i> , 2014 , 125, 167-73	6.2	25
119	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	6.2	25
118	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	6.6	25
117	Simultaneous voltammetric determination of prednisone and prednisolone in human body fluids. <i>Talanta</i> , 2009 , 79, 768-74	6.2	25
116	Oxidation chemistry and biochemistry of indole and effect of its oxidation product in albino mice. <i>Bioelectrochemistry</i> , 1998 , 45, 47-53		25

115	Fabrication of alpha-Fe ₂ O ₃ nanopowder modified glassy carbon electrode for applications in electrochemical sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4692-9	1.3	24
114	A melamine based molecularly imprinted sensor for the determination of 8-hydroxydeoxyguanosine in human urine. <i>Talanta</i> , 2017 , 166, 215-222	6.2	23
113	A new Zn(II)-selective potentiometric sensor based on 4-tert-butylcalix[4]arene in PVC matrix. <i>Talanta</i> , 2006 , 69, 1149-55	6.2	23
112	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	6.6	22
111	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	8.5	21
110	Amino-terminal sequence analysis of arachin. <i>The Protein Journal</i> , 1984 , 3, 395-401		20
109	Comparative studies of praseodymium(III) selective sensors based on newly synthesized Schiff bases. <i>Analytica Chimica Acta</i> , 2009 , 653, 161-6	6.6	19
108	A single-wall carbon nanotubes modified edge plane pyrolytic graphite sensor for determination of methylprednisolone in biological fluids. <i>Talanta</i> , 2009 , 80, 586-92	6.2	17
107	Voltammetric determination of anabolic steroid nandrolone at gold nanoparticles modified ITO electrode in biological fluids. <i>Talanta</i> , 2007 , 72, 140-4	6.2	17
106	Oxidation chemistry of indole-2-carboxylic acid. <i>Electrochimica Acta</i> , 2005 , 50, 2135-2143	6.7	17
105	Electro-oxidation of 6-mercaptapurine riboside with special emphasis on the stability of the dimer in aqueous solutions. <i>New Journal of Chemistry</i> , 2001 , 25, 545-550	3.6	17
104	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	3	16
103	Sensitive determination of domperidone in biological fluids using a conductive polymer modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2015 , 151, 1-7	6.7	16
102	Fabrication and nanoindentation properties of TiN/NiTi thin films and their applications in electrochemical sensing. <i>Talanta</i> , 2009 , 78, 964-9	6.2	16
101	Electrochemical investigations of 8-hydroxydeoxyguanosine and its determination at an edge plane pyrolytic graphite electrode. <i>RSC Advances</i> , 2016 , 6, 1722-1728	3.7	15
100	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	3.9	15
99	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	8.5	15
98	Intrinsic magnetism in Zn _{1-x} CoxO (0.03 ≤ x ≤ 0.10) thin films prepared by ultrasonic spray pyrolysis. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 315005	1.8	15

97	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	3.6	15
96	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	0.9	15
95	339 - Electrochemical and enzymatic oxidation of 3,9-dimethyl uric acid. <i>Bioelectrochemistry</i> , 1980 , 7, 433-446		15
94	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, 53-9	6.2	14
93	Graphene modified glassy carbon sensor for the determination of aspirin metabolites in human biological samples. <i>Talanta</i> , 2015 , 143, 328-334	6.2	14
92	Glutaraldehyde sandwiched amino functionalized polymer based aptasensor for the determination and quantification of chloramphenicol. <i>RSC Advances</i> , 2015 , 5, 69356-69364	3.7	14
91	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	3.9	14
90	Research progress in electroanalytical techniques for determination of antimalarial drugs in pharmaceutical and biological samples. <i>RSC Advances</i> , 2016 , 6, 57580-57602	3.7	14
89	Electrochemical and peroxidase-catalyzed oxidation of epinephrine. <i>Electrochimica Acta</i> , 2012 , 59, 492-498		14
88	Magnetron sputtered Cu ₃ N/NiTiCu shape memory thin film heterostructures for MEMS applications. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	14
87	Effect of Cetyltrimethyl Ammonium Bromide on Electrochemical Determination of Dexamethasone. <i>Electroanalysis</i> , 2010 , 22, 2330-2338	3	14
86	Spectroelectrochemical evidence for imine-alcohol intermediate formed upon electrochemical oxidation of uric acid. <i>Bioelectrochemistry</i> , 1982 , 9, 273-285		14
85	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	3.9	13
84	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	3.9	13
83	Sensitive voltammetric sensor for the determination of oxidative DNA damage in calf thymus DNA. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 463-9	11.8	13
82	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	11.8	13
81	NiO γ -rGO ₂ nanocomposite modified electrode for the sensitive and selective determination of efavirenz, an anti-HIV drug. <i>RSC Advances</i> , 2015 , 5, 40057-40064	3.7	12
80	Electrochemical oxidation of 2-thiouracil at pyrolytic graphite electrode. <i>Bioelectrochemistry</i> , 2005 , 67, 7-13	5.6	12

79	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	8.5	11
78	A Sensitive Polymelamine Modified Sensor for the Determination of Lomefloxacin in Biological Fluids. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H86-H92	3.9	11
77	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, 24-9	5.6	11
76	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, 200-5	6	11
75	Investigations into the electrooxidation of guanosine-5'-triphosphate at the pyrolytic graphite electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1683-90	4.4	11
74	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	1.4	11
73	Electrochemical oxidation of guanosine-5'-monophosphate at the pyrolytic graphite electrode. <i>Perkin Transactions II RSC</i> , 2001 , 832-837		11
72	Haematological and hepatotoxic effects of silken styles of corn in albino rats. <i>Journal of Applied Toxicology</i> , 1992 , 12, 359-63	4.1	11
71	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	2.7	10
70	Determination of methylprednisolone acetate in biological fluids at gold nanoparticles modified ITO electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 1147-53	3.5	10
69	Voltammetric quantification of adenine and guanine at C60 modified glassy carbon electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3699-704	1.3	10
68	Studies of the behavior of 5-hydroxyindole-3-acetamide at a solid electrode. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 578, 185-192	4.1	10
67	Oxidation chemistry of indole-3-methanol. <i>Perkin Transactions II RSC</i> , 2001 , 618-623		10
66	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	3.9	9
65	Simultaneous Monitoring of Aspirin, Paracetamol and Caffeine in Human Urine at Poly-1,5-diaminonaphthalene Modified Pyrolytic Graphite Sensor. <i>Journal of the Electrochemical Society</i> , 2013 , 160, G3014-G3019	3.9	9
64	Comparative studies of ONNO-based ligands as ionophores for palladium ion-selective membrane sensors. <i>Talanta</i> , 2009 , 78, 484-90	6.2	9
63	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	4.1	9
62	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	3.9	8

61	Graphene Nanoribbons/Poly-Bromocresol Green Based Sensor for the Simultaneous Determination of 3,4-Dihydroxyphenylacetic Acid and 5-Hydroxyindoleacetic Acid. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B695-B703	3.9	8
60	Substrate dependent structural and magnetic properties of pulsed laser deposited Fe ₃ O ₄ thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8018-25	1.3	8
59	Sensitive voltammetric sensor for determination of flumethasone pivalate, abused for doping by athletes. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 676-680	8.5	8
58	Effect of substrate and embedded metallic impurities of fullerene in the determination of nandrolone. <i>Analytica Chimica Acta</i> , 2009 , 643, 95-9	6.6	8
57	Comparison of electrochemical and enzymic oxidation of 1,3-dimethyluric acid. <i>Bioelectrochemistry</i> , 1998 , 44, 201-208		8
56	Oxidation chemistry of 2-Deoxyadenosine at pyrolytic graphite electrode. <i>Bioelectrochemistry</i> , 2006 , 69, 223-33	5.6	8
55	Electrochemical oxidation of inosine 5'-monophosphate in neutral aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 591, 159-167	4.1	8
54	Oxidation of 2-aminoquinoline at a stationary pyrolytic graphite electrode. <i>Analytica Chimica Acta</i> , 1990 , 230, 91-96	6.6	8
53	Physico-chemical studies on some metal chelates of 5,5-dimethylcyclohexane-2-(2-hydroxyphenyl)hydrazono 1,3 dione (DCPHD). <i>Journal of Inorganic and Nuclear Chemistry</i> , 1981 , 43, 2005-2009		8
52	Polarographic reduction of some potential antidiabetic compounds with more than one reduction site. <i>Talanta</i> , 1976 , 23, 705-8	6.2	7
51	Carbon nanotube-based electrochemical sensor for the determination of halobetasol propionate, a topical corticosteroid. <i>Journal of Applied Electrochemistry</i> , 2012 , 42, 31-39	2.6	6
50	Further Insights into the Electrooxidation of N-Methyluric Acids and Correlation of Oxidation Potentials with Frontier MO Energies. <i>Bulletin of the Chemical Society of Japan</i> , 2000 , 73, 1515-1524	5.1	6
49	Oxidation chemistry and biochemistry of some biologically important purines and indoleamines. <i>Bioelectrochemistry</i> , 1994 , 33, 75-81		6
48	A categorical review on electroanalytical determination of non-narcotic over-the-counter abused antitussive drugs. <i>Talanta</i> , 2015 , 142, 157-63	6.2	5
47	A Simple and Highly Selective Determination of Telmisartan at Sodium Dodecyl Sulfate Modified Pyrolytic Graphite Surface. <i>Electroanalysis</i> , 2018 , 30, 892-900	3	5
46	Electrochemical investigations of mometasone furoate, a topical corticosteroid, in micellar medium. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 695, 17-23	4.1	5
45	Electrochemical and peroxidase catalysed oxidation of 1,7-dimethyluric acid and effect of methyl groups on the oxidation mechanism. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 1153		5
44	Determination of Tryptophan at Carbon Nanomaterials Modified Glassy Carbon Sensors: A Comparison. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 066504	3.9	4

43	Single-Walled-Carbon-Nanotube-Modified Pyrolytic Graphite Electrode Used as a Simple Sensor for the Determination of Salbutamol in Urine. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-8	2.4	4
42	Electrochemical and peroxidase-catalysed oxidation of 1-methyluric acid. <i>Bioelectrochemistry</i> , 1997 , 43, 205-213		4
41	Electrochemical and enzymic oxidation of 9-methyluric acid at solid electrodes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995 , 1055		4
40	Electrochemical oxidation of sulphapyridine at a pyrolytic graphite electrode. <i>Analytica Chimica Acta</i> , 1990 , 228, 273-278	6.6	4
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38	A sensitive voltammetric sensor for detecting betamethasone in biological fluids. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010 , 13, 610-8	1.3	4
37	A Novel Hybrid Nano-composite Grafted Electrochemically Reduced Graphene Oxide Based Sensor for Sensitive Determination of Efavirenz. <i>Electroanalysis</i> , 2017 , 29, 456-465	3	3
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35	Electrochemical and peroxidase catalysed oxidation of 9- β -ribofuranosyluric acid 5'-monophosphate. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 2423-2430		3
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33	Electro-oxidation of the neurotoxin 5,6-dihydroxytryptamine and effects of its oxidation products in mice. <i>Bioelectrochemistry</i> , 1996 , 39, 249-257		3
32	Polarographic behaviour of some potential antidiabetic benzylsulphonylarylazopyrazoles. <i>Electrochimica Acta</i> , 1981 , 26, 1519-1523	6.7	3
31	Polarographic reduction of aryl hydrazono alloxans. <i>Electrochimica Acta</i> , 1982 , 27, 25-31	6.7	3
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29	Electrochemical Determination of Diacerein, An Anti-Osteoarthritis Drug at Unmodified Pyrolytic Graphite Surface. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B1695-B1700	3.9	3
28	High energy carbon ion beam irradiated sensor for the voltammetric sensing of purine nucleosides of DNA. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 884-892	8.5	2
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24	Oxidation chemistry of adenosine-3',5'-cyclic monophosphate at pyrolytic graphite electrode. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006 , 25, 1345-62	1.4	2
23	Electrochemical Investigations of Biologically Active 1-(3-Hydroxy-2-pyridyl)-4,4,6-trimethyl-3,4-dihydropyrimidine-2[1H]-thione at Pyrolytic Graphite Electrode. <i>Bulletin of the Chemical Society of Japan</i> , 2006 , 79, 569-576	5.1	2
22	Insights into the Biological Redox Chemistry of 2'-Deoxyadenosine 5'-Monophosphate by Electrochemical Techniques. <i>Bulletin of the Chemical Society of Japan</i> , 2005 , 78, 1944-1952	5.1	2
21	Comparison of electrochemical and enzymic oxidation of 3-methyluric acid. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1241		2
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19	Rapid Tlc Separation of Some Closely Related Potential Antineoplastic Arylazothiazoles. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1980 , 3, 557-560		2
18	Stepwise stability constants and thermodynamic functions of 1-phenyl-3-methyl-4-(2-hydroxyphenyl)-hydrazono-2-pyrazoline-5-one complexes with transition metals. <i>Thermochimica Acta</i> , 1981 , 47, 243-245	2.9	2
17	Studies on the polarographic reduction of the azomethine bond in the products of beta-keto-esters coupled with aryldiazonium chlorides. <i>Talanta</i> , 1977 , 24, 586-8	6.2	2
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15	Edge plane pyrolytic graphite as a sensing surface for the determination of fluvoxamine in urine samples of obsessive-compulsive disorder patients. <i>Biosensors and Bioelectronics</i> , 2020 , 168, 112489	11.8	2
14	A carbon ion beam irradiated MWCNT/AuNPs composite sensor for a sensitive assay of purine-nucleosides of DNA. <i>RSC Advances</i> , 2015 , 5, 102300-102310	3.7	1
13	Electrochemical oxidation of inosine-5'-triphosphate at pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2006 , 52, 246-255	6.7	1
12	Electrooxidation of biologically important hypoxanthine nucleosides and nucleotides at solid electrodes. <i>Electrochimica Acta</i> , 2006 , 52, 1226-1233	6.7	1
11	Oxidation Chemistry of 1,3-Dimethylxanthine at Stationary Pyrolytic Graphite Electrode. <i>Bulletin of the Chemical Society of Japan</i> , 1998 , 71, 199-207	5.1	1
10	Electrochemical Oxidation of 4-Hydroxyindole and Effects of Its Oxidation Products on Blood Parameters of Albino Mice. <i>Bioorganic Chemistry</i> , 1999 , 27, 239-252	5.1	1
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