Rajeev Jain

List of Publications by Year in descending order

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90 papers	3,335 citations	186265 28 h-index	155660 55 g-index
91 all docs	91 docs citations	91 times ranked	4131 citing authors

#	Article	IF	Citations
1	Electrochemical sensing platform based on ZrO2/BiVO4 nanocomposite for gastro-prokinetic drug in human blood serum. Journal of Nanostructure in Chemistry, 2023, 13, 361-375.	9.1	11
2	Removal of pharmaceuticals from wastewater using magnetic iron oxide nanoparticles (IOPs). International Journal of Environmental Analytical Chemistry, 2022, 102, 117-133.	3.3	19
3	Bi2O3/ZnO nanocomposite: Synthesis, characterizations and its application in electrochemical detection of balofloxacin as an anti-biotic drug. Journal of Pharmaceutical Analysis, 2021, 11, 57-67.	5.3	38
4	Removal of drug oxcarbazepine from wastewater at 3D porous NiFe₂O₄ nanoparticles. Journal of Dispersion Science and Technology, 2020, 41, 884-894.	2.4	7
5	Reviewâ€"Pencil Graphite Electrode: An Emerging Sensing Material. Journal of the Electrochemical Society, 2020, 167, 037501.	2.9	79
6	Fabrication of bismuth oxide-modified pencil graphite sensors for monitoring the hazardous herbicide diuron. Nanoscale Advances, 2020, 2, 3404-3410.	4.6	5
7	Bismuth Oxide/Graphite/Glassy Carbon Based Platform for the Quantification of Antioxidant Gallic Acid. Analytical Chemistry Letters, 2020, 10, 181-194.	1.0	0
8	Surface plasmon resonance sensing of Ebola virus: a biological threat. Analytical and Bioanalytical Chemistry, 2020, 412, 4101-4112.	3.7	28
9	Fabrication and optimization of polypyrrole/cerium oxide/glassy carbon sensing platform for the electrochemical detection of flupirtine. Journal of Applied Electrochemistry, 2020, 50, 655-672.	2.9	7
10	TiO₂/(1-butyl-3-methylimidazolium hexafluorophosphate) Based Sensor: A Strategy for the Detection of Cinnamaldehyde. Journal of the Electrochemical Society, 2019, 166, B735-B741.	2.9	5
11	Voltammetric sensor for the monitoring of hazardous herbicide triclopyr (TCP). Journal of Hazardous Materials, 2019, 367, 246-255.	12.4	11
12	Application of micellar catalysis in ultrasensitive quantification of drotaverine hydrochloride. Ionics, 2019, 25, 3419-3430.	2.4	3
13	Synergistic effect of 1-butyl-2,3-dimethylimidazolium bis (trifluoromethanesulfonyl) imide and titanium oxide on the redox behaviour of flunarizine in solubilized media. Colloids and Surfaces B: Biointerfaces, 2018, 166, 72-78.	5.0	6
14	Voltammetric sensing based on the use of advanced carbonaceous nanomaterials: a review. Mikrochimica Acta, 2018, 185, 89.	5.0	67
15	Polypyrrole/titanium dioxide nanocomposite sensor for the electrocatalytic quantification of sulfamoxole. Ionics, 2018, 24, 2473-2488.	2.4	20
16	Highly Sensitive and Selective Polyaniline Nanofiberâ€"Based Voltammetric Sensor for the Quantification of Tinidazole. Advances in Polymer Technology, 2018, 37, 547-553.	1.7	6
17	Advances in sensing and biosensing of bisphenols: A review. Analytica Chimica Acta, 2018, 998, 1-27.	5.4	66
18	Design, Fabrication, and Optimization of Polypyrrole/Bismuth Oxide Nanocomposite as Voltammetric Sensor for the Electroanalysis of Clofazimine. Journal of the Electrochemical Society, 2018, 165, H979-H990.	2.9	11

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19	Electrochemical analysis of amlodipine in some pharmaceutical formulations and biological fluid using disposable pencil graphite electrode. Journal of Electroanalytical Chemistry, 2017, 788, 7-13.	3.8	33
20	Reviewâ€"Monitoring of Endogenous Antioxidants: An Electroanalytical Approach. Journal of the Electrochemical Society, 2017, 164, H266-H277.	2.9	6
21	Ultrasensitive Voltammetric Quantification of Antioxidant Capsaicin at Platform Polypyrrole/Bi₂O₃/Graphene Oxide in Surfactant Stabilized Media. Journal of the Electrochemical Society, 2017, 164, H908-H917.	2.9	13
22	Zinc Oxide Nanoflowers Based Graphene Nanocomposite Platform for Catalytic Studies of Febuxostat. International Journal of Electrochemical Science, 2016, 11, 10223-10237.	1.3	9
23	(1â€Butylâ€3â€methylimidazolium Hexafluorophosphate) Based Sensor for Quantification of Eugenol Antioxidant. Electroanalysis, 2016, 28, 2598-2605.	2.9	10
24	A polyaniline/graphene oxide nanocomposite as a voltammetric sensor for electroanalytical detection of clonazepam. Analytical Methods, 2016, 8, 3034-3045.	2.7	36
25	Polyanilineâ€"graphene oxide nanocomposite sensor for quantification of calcium channel blocker levamlodipine. Materials Science and Engineering C, 2016, 65, 205-214.	7.3	22
26	Next-generation polymer nanocomposite-based electrochemical sensors and biosensors: A review. TrAC - Trends in Analytical Chemistry, 2016, 82, 55-67.	11.4	229
27	Recent trends in electrochemical sensors for multianalyte detection â€" A review. Talanta, 2016, 161, 894-916.	5.5	129
28	Adsorption study of tetracycline onto an unsaturated polyester resin. Desalination and Water Treatment, 2016, 57, 6875-6883.	1.0	11
29	A novel graphene-chitosan-Bi2O3 nanocomposite modified sensor for sensitive and selective electrochemical determination of a monoamine neurotransmitter epinephrine. Ionics, 2016, 22, 943-956.	2.4	23
30	Chemiresistive gas sensor for the sensitive detection of nitrogen dioxide based on nitrogen doped graphene nanosheets. RSC Advances, 2016, 6, 1527-1534.	3.6	70
31	Reviewâ€"New Generation Electrode Materials for Sensitive Detection. Journal of the Electrochemical Society, 2016, 163, H159-H170.	2.9	23
32	A glass capillary based microfluidic electromembrane extraction of basic degradation products of nitrogen mustard and VX from water. Journal of Chromatography A, 2015, 1426, 16-23.	3.7	9
33	Graphene/TiO2/polyaniline nanocomposite based sensor for the electrochemical investigation of aripiprazole in pharmaceutical formulation. Ionics, 2015, 21, 2039-2049.	2.4	16
34	Electrocatalytic quantification of thrombin inhibitor dabigatran etexilate in solubilized system. Ionics, 2015, 21, 1445-1452.	2.4	8
35	Nano Photo Catalytic Degradation of the Pharmaceutical Agent Balsalazide Under UV Slurry Photo Reactor. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	7
36	Electrocatalytic sensing of omeprazole. Ionics, 2015, 21, 2355-2362.	2.4	13

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37	Electrocatalytic quantification of antiviral drug valacyclovir. Ionics, 2015, 21, 3279-3287.	2.4	7
38	Kinetics and isotherm studies on the adsorption of an antiparkinsonism drug Entacapone from aqueous solutions using unsaturated polyester resin (UPR). Desalination and Water Treatment, 2015, 54, 3169-3176.	1.0	9
39	Adsorption kinetics and thermodynamics of hazardous dye Tropaeoline 000 unto Aeroxide Alu C (Nano) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	23
40	A sensitive voltammetric sensor based on synergistic effect of grapheneâ€“polyaniline hybrid film for quantification of calcium antagonist lercanidipine. Journal of Applied Polymer Science, 2014, 131, .	2.6	14
41	Kinetics and Thermodynamic Study of Balsalazide Adsorption by Unsaturated Polyester Resin (UPR): A Non-carbon Adsorbent. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	9
42	Electrochemical Immunosensor for Staphylococcal Enterotoxin B (SEB) Based on Platinum Nanoparticlesâ€Modified Electrode Using Hydrogen Evolution Inhibition Approach. Electroanalysis, 2014, 26, 2320-2327.	2.9	13
43	Sensitive detection of staphylococcal enterotoxin B (SEB) using quantum dots by various methods with special emphasis on an electrochemical immunoassay approach. RSC Advances, 2014, 4, 34089.	3.6	15
44	Simultaneous detection and identification of precursors, degradation and co-products of chemical warfare agents in drinking water by ultra-high performance liquid chromatographyâ€“quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2014, 1370, 80-92.	3.7	18
45	Selective N-alkylation of primary amines with Râ€“NH2Â·HBr and alkyl bromides using a competitive deprotonation/protonation strategy. RSC Advances, 2014, 4, 18229.	3.6	15
46	An easy access to tertiary amides from aldehydes and N,N-dialkylchlorothiophosphoramidates. RSC Advances, 2014, 4, 3900-3903.	3.6	9
47	Voltammetric quantitation of nitazoxanide by glassy carbon electrode. Journal of Pharmaceutical Analysis, 2013, 3, 452-455.	5.3	9
48	Nano graphene based sensor for antiarrhythmic agent quinidine in solubilized system. Colloids and Surfaces B: Biointerfaces, 2013, 105, 278-283.	5.0	36
49	Kinetics and isotherm analysis of Tropaeoline 000 adsorption onto unsaturated polyester resin (UPR): a non-carbon adsorbent. Environmental Science and Pollution Research, 2013, 20, 1493-1502.	5.3	20
50	TiO2-Multi Walled Carbon Nanotubes Hybrid Film Sensor for Sensing of Antiprotozoal Agent Satranidazole in Solubilzed System. Journal of the Electrochemical Society, 2013, 160, H474-H480.	2.9	19
51	Novel bismuth/multi-walled carbon nanotubes-based electrochemical sensor for the determination of neuroprotective drug cilostazol. Journal of Applied Electrochemistry, 2012, 42, 341-348.	2.9	35
52	Cathodic adsorptive stripping voltammetry of an anti-emetic agent Granisetron in pharmaceutical formulation and biological matrix. Journal of Pharmaceutical Analysis, 2012, 2, 443-449.	5.3	13
53	SENSITIVE AND SPECIFIC LC-MS/MS METHOD FOR THE SIMULTANEOUS DETERMINATION OF CHLORPROGUANIL, DAPSONE, AND THEIR METABOLITES IN HUMAN PLASMA. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2584-2601.	1.0	2
54	Glassy carbon electrode modified with multi-walled carbon nanotubes sensor for the quantification of antihistamine drug pheniramine in solubilized systems. Journal of Pharmaceutical Analysis, 2012, 2, 56-61.	5.3	34

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55	Voltammetric quantification of anti-hepatitis drug Adefovir in biological matrix and pharmaceutical formulation. Journal of Pharmaceutical Analysis, 2012, 2, 98-104.	5.3	20
56	Voltammetric behavior of sedative drug midazolam at glassy carbon electrode in solubilized systems. Journal of Pharmaceutical Analysis, 2012, 2, 123-129.	5.3	17
57	Photodegradation of hazardous dye quinoline yellow catalyzed by TiO2. Journal of Colloid and Interface Science, 2012, 366, 135-140.	9.4	98
58	Voltammetric Peak Enhancement of Cefpirome in Cetyltrimethylammonium Bromide. ECS Meeting Abstracts, 2011, , .	0.0	0
59	Voltammetric behaviour of antimalarial drug artesunate in solubilized systems. Colloids and Surfaces B: Biointerfaces, 2011, 88, 729-733.	5.0	15
60	Voltammetric assay of antiâ€anginal drug nicorandil in different solvents. Drug Testing and Analysis, 2011, 3, 171-175.	2.6	14
61	Ultra-performance liquid chromatography electrospray ionization-tandem mass spectrometry method for the estimation of miglitol in human plasma using metformin as the internal standard. Drug Testing and Analysis, 2011, 3, 255-262.	2.6	10
62	Voltammetric quantification of tamoxifen. Drug Testing and Analysis, 2011, 3, 743-747.	2.6	12
63	Voltammetric determination of antibacterial drug gemifloxacin in solubilized systems at multi-walled carbon nanotubes modified glassy carbon electrode. Colloids and Surfaces B: Biointerfaces, 2011, 83, 340-346.	5.0	77
64	Voltammetric behaviour of drotaverine hydrochloride in surfactant media and its enhancement determination in Tween-20. Colloids and Surfaces B: Biointerfaces, 2011, 82, 333-339.	5.0	24
65	Voltammetric determination of cefpirome at multiwalled carbon nanotube modified glassy carbon sensor based electrode in bulk form and pharmaceutical formulation. Colloids and Surfaces B: Biointerfaces, 2011, 87, 423-426.	5.0	28
66	Adsorptive and desorptive studies on toxic dye Amaranth onto de-oiled mustard from wastewater. Desalination and Water Treatment, 2011, 28, 120-129.	1.0	4
67	Equilibrium and Thermodynamic Studies on the Removal and Recovery of Safranine-T Dye from Industrial Effluents. Separation Science and Technology, 2011, 46, 839-846.	2.5	69
68	Photodegradation of Hazardous Dye Naphthol Yellow S Over Titanium Dioxide. Journal of Dispersion Science and Technology, 2011, 32, 1345-1352.	2.4	8
69	A LC-MS/MS METHOD FOR THE DETERMINATION OF LUMEFANTRINE AND ITS METABOLITE DESBUTYL-LUMEFANTRINE IN PLASMA FROM PATIENTS INFECTED WITH PLASMODIUM FALCIPARUM MALARIA. Journal of Liquid Chromatography and Related Technologies, 2011, 34, 2674-2688.	1.0	8
70	Highly Sensitive and Selective Voltammetric Sensor Fullerene Modified Glassy Carbon Electrode for Determination of Cefitizoxime in Solubilized System. Electroanalysis, 2010, 22, 2600-2606.	2.9	43
71	Voltammetric determination of cefixime in pharmaceuticals and biological fluids. Analytical Biochemistry, 2010, 407, 79-88.	2.4	350
72	Adsorptive and Desorption Studies on Toxic Dye Erioglaucine Over Deoiled Mustard. Journal of Dispersion Science and Technology, 2010, 31, 883-893.	2.4	23

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73	Semiconductorâ€mediated photocatalyzed degradation of erythrosine dye from wastewater using TiO₂catalyst. Environmental Technology (United Kingdom), 2010, 31, 1403-1410.	2.2	17
74	Electrochemical treatment of pharmaceutical azo dye amaranth from waste water. Journal of Applied Electrochemistry, 2009, 39, 577-582.	2.9	44
75	Adsorptive removal of Erythrosine dye onto activated low cost de-oiled mustard. Journal of Hazardous Materials, 2009, 164, 627-633.	12.4	35
76	Stripping voltammetric behaviour of toxic drug nitrofurantoin. Journal of Hazardous Materials, 2009, 169, 667-672.	12.4	33
77	Adsorptive Stripping Voltammetric Behavior of Nortriptyline Hydrochloride and its Determination in Surfactant Media. Langmuir, 2009, 25, 10364-10369.	3.5	39
78	Development and Validation of a Reversed Phase HPLC Method for Simultaneous Determination of Curcumin and Piperine in Human Plasma for Application in Clinical Pharmacological Studies. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2961-2974.	1.0	20
79	Spectroscopic and thermogravimetric analysis of PANI/PPy composite polymer electrode: Its application to electrochemical investigation of pharmaceutical formulation. Journal of Applied Polymer Science, 2008, 110, 2328-2336.	2.6	17
80	Voltammetric behavior of cefdinir in solubilized system. Journal of Colloid and Interface Science, 2008, 318, 296-301.	9.4	28
81	Photocatalytic removal of hazardous dye cyanosine from industrial waste using titanium dioxide. Journal of Hazardous Materials, 2008, 152, 216-220.	12.4	92
82	Removal of hazardous dye congored from waste material. Journal of Hazardous Materials, 2008, 152, 942-948.	12.4	109
83	Adsorptive studies of hazardous dye Tropaeoline 000 from an aqueous phase on to coconut-husk. Journal of Hazardous Materials, 2008, 158, 549-556.	12.4	56
84	Removal of the hazardous dye rhodamine B through photocatalytic and adsorption treatments. Journal of Environmental Management, 2007, 85, 956-964.	7.8	567
85	Cathodic adsorptive stripping voltammetric studies on lamivudine: An antiretroviral drug. Journal of Colloid and Interface Science, 2007, 313, 254-260.	9.4	21
86	Electrochemical techniques for the removal of Reactofix Golden Yellow 3 RFN from industrial wastes. Journal of Colloid and Interface Science, 2007, 313, 248-253.	9.4	23
87	Adsorptive stripping voltammetric behavior and determination of anticholinergic agent oxybutynin chloride on a mercury electrode. Journal of Colloid and Interface Science, 2007, 314, 572-577.	9.4	20
88	Determination of antihelminthic drug pyrantel pamoate in bulk and pharmaceutical formulations using electro-analytical methods. Talanta, 2006, 70, 383-386.	5.5	30
89	Density-based phase-separation asymmetric polyethylene-poly(dimethyl siloxane) blend membranes: Preparation and properties. Journal of Applied Polymer Science, 2004, 91, 2278-2287.	2.6	2
90	Identification of Some Potential Antidiabetic Compounds on Impregnated Silica Gel G Platea as Their Ï€-Complexes. Journal of Liquid Chromatography and Related Technologies, 1983, 6, 2661-2664.	1.0	3