Rajeev Jain

List of Publications by Year
in descending order

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	Removal of the hazardous dye rhodamine B through photocatalytic and adsorption treatments. Journal of Environmental Management, 2007, 85, 956-964.	7.8	567
2	Voltammetric determination of cefixime in pharmaceuticals and biological fluids. Analytical Biochemistry, 2010, 407, 79-88.	2.4	350
3	Next-generation polymer nanocomposite-based electrochemical sensors and biosensors: A review. TrAC - Trends in Analytical Chemistry, 2016, 82, 55-67.	11.4	229
4	Recent trends in electrochemical sensors for multianalyte detection â€“ A review. Talanta, 2016, 161, 894-916.	5.5	129
5	Removal of hazardous dye congored from waste material. Journal of Hazardous Materials, 2008, 152, 942-948.	12.4	109
6	Photodegradation of hazardous dye quinoline yellow catalyzed by TiO2. Journal of Colloid and Interface Science, 2012, 366, 135-140.	9.4	98
7	Photocatalytic removal of hazardous dye cyanosine from industrial waste using titanium dioxide. Journal of Hazardous Materials, 2008, 152, 216-220.	12.4	92
8	Reviewâ€"Pencil Graphite Electrode: An Emerging Sensing Material. Journal of the Electrochemical Society, 2020, 167, 037501.	2.9	79
9	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
10	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
11	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
12	Voltammetric sensing based on the use of advanced carbonaceous nanomaterials: a review. Mikrochimica Acta, 2018, 185, 89.	5.0	67
13	Advances in sensing and biosensing of bisphenols: A review. Analytica Chimica Acta, 2018, 998, 1-27.	5.4	66
14	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
15	Electrochemical treatment of pharmaceutical azo dye amaranth from waste water. Journal of Applied Electrochemistry, 2009, 39, 577-582.	2.9	44
16	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
17	Adsorptive Stripping Voltammetric Behavior of Nortriptyline Hydrochloride and its Determination in Surfactant Media. Langmuir, 2009, 25, 10364-10369.	3.5	39
18	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

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19	Nano graphene based sensor for antiarrhythmic agent quinidine in solubilized system. Colloids and Surfaces B: Biointerfaces, 2013, 105, 278-283.	5.0	36
20	A polyaniline/graphene oxide nanocomposite as a voltammetric sensor for electroanalytical detection of clonazepam. Analytical Methods, 2016, 8, 3034-3045.	2.7	36
21	Adsorptive removal of Erythrosine dye onto activated low cost de-oiled mustard. Journal of Hazardous Materials, 2009, 164, 627-633.	12.4	35
22	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
23	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
24	Stripping voltammetric behaviour of toxic drug nitrofurantoin. Journal of Hazardous Materials, 2009, 169, 667-672.	12.4	33
25	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
26	Determination of antihelminthic drug pyrantel pamoate in bulk and pharmaceutical formulations using electro-analytical methods. Talanta, 2006, 70, 383-386.	5.5	30
27	Voltammetric behavior of cefdinir in solubilized system. Journal of Colloid and Interface Science, 2008, 318, 296-301.	9.4	28
28	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
29	Surface plasmon resonance sensing of Ebola virus: a biological threat. Analytical and Bioanalytical Chemistry, 2020, 412, 4101-4112.	3.7	28
30	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
31	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
32	Adsorptive and Desorption Studies on Toxic Dye Erioglaucine Over Deoiled Mustard. Journal of Dispersion Science and Technology, 2010, 31, 883-893.	2.4	23
33	Adsorption kinetics and thermodynamics of hazardous dye Tropaeoline 000 unto Aeroxide Alu C (Nano) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	23
34	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
35	Reviewâ€"New Generation Electrode Materials for Sensitive Detection. Journal of the Electrochemical Society, 2016, 163, H159-H170.	2.9	23
36	Polyanilineâ€"graphene oxide nanocomposite sensor for quantification of calcium channel blocker levamlodipine. Materials Science and Engineering C, 2016, 65, 205-214.	7.3	22

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37	Cathodic adsorptive stripping voltammetric studies on lamivudine: An antiretroviral drug. Journal of Colloid and Interface Science, 2007, 313, 254-260.	9.4	21
38	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
39	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
40	Voltammetric quantification of anti-hepatitis drug Adefovir in biological matrix and pharmaceutical formulation. Journal of Pharmaceutical Analysis, 2012, 2, 98-104.	5.3	20
41	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
42	Polypyrrole/titanium dioxide nanocomposite sensor for the electrocatalytic quantification of sulfamoxole. Ionics, 2018, 24, 2473-2488.	2.4	20
43	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
44	Removal of pharmaceuticals from wastewater using magnetic iron oxide nanoparticles (IOPs). International Journal of Environmental Analytical Chemistry, 2022, 102, 117-133.	3.3	19
45	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
46	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
47	Semiconductorâ€mediated photocatalyzed degradation of erythrosine dye from wastewater using TiO₂catalyst. Environmental Technology (United Kingdom), 2010, 31, 1403-1410.	2.2	17
48	Voltammetric behavior of sedative drug midazolam at glassy carbon electrode in solubilized systems. Journal of Pharmaceutical Analysis, 2012, 2, 123-129.	5.3	17
49	Graphene/TiO2/polyaniline nanocomposite based sensor for the electrochemical investigation of aripiprazole in pharmaceutical formulation. Ionics, 2015, 21, 2039-2049.	2.4	16
50	Voltammetric behaviour of antimalarial drug artesunate in solubilized systems. Colloids and Surfaces B: Biointerfaces, 2011, 88, 729-733.	5.0	15
51	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
52	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
53	Voltammetric assay of antiâ€anginal drug nicorandil in different solvents. Drug Testing and Analysis, 2011, 3, 171-175.	2.6	14
54	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

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55	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
56	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
57	Electrocatalytic sensing of omeprazole. Ionics, 2015, 21, 2355-2362.	2.4	13
58	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
59	Voltammetric quantification of tamoxifen. Drug Testing and Analysis, 2011, 3, 743-747.	2.6	12
60	Adsorption study of tetracycline onto an unsaturated polyester resin. Desalination and Water Treatment, 2016, 57, 6875-6883.	1.0	11
61	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
62	Voltammetric sensor for the monitoring of hazardous herbicide triclopyr (TCP). Journal of Hazardous Materials, 2019, 367, 246-255.	12.4	11
63	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
64	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
65	(1â€Butylâ€3â€methylimidazolium Hexafluorophosphate) Based Sensor for Quantification of Eugenol Antioxidant. Electroanalysis, 2016, 28, 2598-2605.	2.9	10
66	Voltammetric quantitation of nitazoxanide by glassy carbon electrode. Journal of Pharmaceutical Analysis, 2013, 3, 452-455.	5.3	9
67	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
68	An easy access to tertiary amides from aldehydes and N,N-dialkylchlorothiophosphoramidates. RSC Advances, 2014, 4, 3900-3903.	3.6	9
69	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
70	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
71	Zinc Oxide Nanoflowers Based Graphene Nanocomposite Platform for Catalytic Studies of Febuxostat. International Journal of Electrochemical Science, 2016, 11, 10223-10237.	1.3	9
72	Photodegradation of Hazardous Dye Naphthol Yellow S Over Titanium Dioxide. Journal of Dispersion Science and Technology, 2011, 32, 1345-1352.	2.4	8

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73	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
74	Electrocatalytic quantification of thrombin inhibitor dabigatran etexilate in solubilized system. Ionics, 2015, 21, 1445-1452.	2.4	8
75	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
76	Electrocatalytic quantification of antiviral drug valacyclovir. Ionics, 2015, 21, 3279-3287.	2.4	7
77	Removal of drug oxcarbazepine from wastewater at 3D porous NiFe₂O₄ nanoparticles. Journal of Dispersion Science and Technology, 2020, 41, 884-894.	2.4	7
78	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
79	Reviewâ€"Monitoring of Endogenous Antioxidants: An Electroanalytical Approach. Journal of the Electrochemical Society, 2017, 164, H266-H277.	2.9	6
80	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
81	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
82	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
83	Fabrication of bismuth oxide-modified pencil graphite sensors for monitoring the hazardous herbicide diuron. Nanoscale Advances, 2020, 2, 3404-3410.	4.6	5
84	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
85	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
86	Application of micellar catalysis in ultrasensitive quantification of drotaverine hydrochloride. Ionics, 2019, 25, 3419-3430.	2.4	3
87	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
88	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
89	Voltammetric Peak Enhancement of Cefpirome in Cetyltrimethylammonium Bromide. ECS Meeting Abstracts, 2011, , .	0.0	0
90	Bismuth Oxide/Graphite/Glassy Carbon Based Platform for the Quantification of Antioxidant Gallic Acid. Analytical Chemistry Letters, 2020, 10, 181-194.	1.0	0