

Jamballi Gangadharappa Gowda Manjun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2582897/publications.pdf>

Version: 2024-02-01

91
papers

2,905
citations

159358

30
h-index

197535

49
g-index

93
all docs

93
docs citations

93
times ranked

1278
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of highly porous binderless activated carbon electrodes from fibres of oil palm empty fruit bunches for application in supercapacitors. <i>Bioresource Technology</i> , 2013, 132, 254-261.	4.8	337
2	A novel poly (glycine) biosensor towards the detection of indigo carmine: A voltammetric study. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 292-299.	0.9	90
3	A simple approach for the electrochemical determination of vanillin at ionic surfactant modified graphene paste electrode. <i>Microchemical Journal</i> , 2020, 154, 104575.	2.3	89
4	A novel voltammetric method for the enhanced detection of the food additive tartrazine using an electrochemical sensor. <i>Heliyon</i> , 2018, 4, e00986.	1.4	88
5	Sodium dodecyl sulfate modified carbon nanotubes paste electrode as a novel sensor for the simultaneous determination of dopamine, ascorbic acid, and uric acid. <i>Comptes Rendus Chimie</i> , 2014, 17, 465-476.	0.2	82
6	Electrochemical Analysis of Indigo Carmine in Food and Water Samples Using a Poly(Glutamic Acid) Layered Multi-walled Carbon Nanotube Paste Electrode. <i>Journal of Electronic Materials</i> , 2021, 50, 1230-1238.	1.0	81
7	A surfactant enhanced graphene paste electrode as an effective electrochemical sensor for the sensitive and simultaneous determination of catechol and resorcinol. <i>Chemical Data Collections</i> , 2020, 25, 100331.	1.1	80
8	Fabrication of novel polymer-modified graphene-based electrochemical sensor for the determination of mercury and lead ions in water and biological samples. <i>Journal of Analytical Science and Technology</i> , 2020, 11, .	1.0	78
9	Fabrication of poly (Solid Red A) modified carbon nano tube paste electrode and its application for simultaneous determination of epinephrine, uric acid and ascorbic acid. <i>Arabian Journal of Chemistry</i> , 2018, 11, 149-158.	2.3	76
10	A fast and selective electrochemical detection of vanillin in food samples on the surface of poly(glutamic acid) functionalized multiwalled carbon nanotubes and graphite composite paste sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127042.	2.3	73
11	Supercapacitors using binderless composite monolith electrodes from carbon nanotubes and pre-carbonized biomass residues. <i>Biomass and Bioenergy</i> , 2013, 59, 370-379.	2.9	69
12	Enhanced voltammetric detection of paracetamol by using carbon nanotube modified electrode as an electrochemical sensor. <i>Journal of Electrochemical Science and Engineering</i> , 2019, 10, 29-40.	1.6	66
13	Surfactant Modified Graphite Paste Electrode as an Electrochemical Sensor for the Enhanced Voltammetric Detection of Estriol with Dopamine and Uric acid. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 10, 247-253.	0.6	62
14	Optimized Voltammetric Experiment for the Determination of Phloroglucinol at Surfactant Modified Carbon Nanotube Paste Electrode. <i>Instruments and Experimental Techniques</i> , 2020, 63, 750-757.	0.1	61
15	Fast and enhanced electrochemical sensing of dopamine at cost-effective poly(DL-phenylalanine) based graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114533.	1.9	59
16	Poly (Adenine) Modified Graphene-Based Voltammetric Sensor for the Electrochemical Determination of Catechol, Hydroquinone and Resorcinol. <i>Open Chemical Engineering Journal</i> , 2020, 14, 52-62.	0.4	58
17	Electrochemical Preparation of Poly(arginine)-Modified Carbon Nanotube Paste Electrode and its Application for the Determination of Pyridoxine in the Presence of Riboflavin: An Electroanalytical Approach. <i>Journal of Analysis and Testing</i> , 2019, 3, 331-340.	2.5	57
18	Design of novel Surfactant Modified Carbon Nanotube Paste Electrochemical Sensor for the Sensitive Investigation of Tyrosine as a Pharmaceutical Drug. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 132-137.	0.6	54

#	ARTICLE	IF	CITATIONS
19	Polymethionine modified carbon nanotube sensor for sensitive and selective determination of L-tryptophan. <i>Journal of Electrochemical Science and Engineering</i> , 2020, 10, 305-315.	1.6	54
20	Surfactant and polymer layered carbon composite electrochemical sensor for the analysis of estriol with ciprofloxacin. <i>Materials Research Innovations</i> , 2020, 24, 349-362.	1.0	52
21	Electrochemical Polymerised Graphene Paste Electrode and Application to Catechol Sensing. <i>Open Chemical Engineering Journal</i> , 2019, 13, 81-87.	0.4	52
22	Determination of Riboflavin at Carbon Nanotube Paste Electrodes Modified with an Anionic Surfactant. <i>ChemistrySelect</i> , 2019, 4, 2168-2173.	0.7	51
23	Elevated and rapid voltammetric sensing of riboflavin at poly(helianthin dye) blended carbon paste electrode with heterogeneous rate constant elucidation. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1507-1519.	1.2	50
24	Electroanalysis of estriol hormone using electrochemical sensor. <i>Sensing and Bio-Sensing Research</i> , 2017, 16, 79-84.	2.2	48
25	A surfactant enhanced novel pencil graphite and carbon nanotube composite paste material as an effective electrochemical sensor for determination of riboflavin. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 56-64.	1.5	48
26	The Electrochemical Resolution of Ciprofloxacin, Riboflavin and Estriol Using Anionic Surfactant and Polymer-Modified Carbon Paste Electrode. <i>ChemistrySelect</i> , 2019, 4, 13427-13433.	0.7	46
27	A NEW ELECTROCHEMICAL SENSOR BASED ON MODIFIED CARBON NANOTUBE-GRAPHITE MIXTURE PASTE ELECTRODE FOR VOLTAMMETRIC DETERMINATION OF RESORCINOL. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 295.	0.3	42
28	Sensitive and Selective Electrochemical Resolution of Tyrosine with Ascorbic Acid through the Development of Electropolymerized Alizarin Sodium Sulfonate Modified Carbon Nanotube Paste Electrodes. <i>ChemistrySelect</i> , 2019, 4, 4559-4567.	0.7	42
29	A simple and low-cost poly (dl-phenylalanine) modified carbon sensor for the improved electrochemical analysis of Riboflavin. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 502-511.	1.5	42
30	Surfactant modified carbon nanotube paste electrode for the sensitive determination of mitoxantrone anticancer drug. <i>Journal of Electrochemical Science and Engineering</i> , 0, , 39.	1.6	42
31	Low-cost voltammetric sensor based on an anionic surfactant modified carbon nanocomposite material for the rapid determination of curcumin in natural food supplement. <i>Instrumentation Science and Technology</i> , 2020, 48, 561-582.	0.9	37
32	Electro-oxidation of formoterol fumarate on the surface of novel poly(thiazole yellow-G) layered multi-walled carbon nanotube paste electrode. <i>Scientific Reports</i> , 2021, 11, 12797.	1.6	33
33	Sensitive and selective electrochemical detection of vanillin at graphene based poly (methyl orange) modified electrode. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 415-424.	1.5	31
34	Supercapacitors using Binderless Activated Carbon Monoliths Electrodes consisting of a Graphite Additive and Pre-carbonized Biomass Fibers. <i>International Journal of Electrochemical Science</i> , 2017, 12, 2520-2539.	0.5	27
35	Electrochemical sensing of adrenaline using surface modified carbon nanotube paste electrode. <i>Materials Chemistry and Physics</i> , 2021, 262, 124293.	2.0	27
36	Development of carbon nanotube-based polymer-modified electrochemical sensor for the voltammetric study of Curcumin. <i>Materials Research Innovations</i> , 2021, 25, 412-420.	1.0	26

#	ARTICLE	IF	CITATIONS
37	Poly(glutamine) film-coated carbon nanotube paste electrode for the determination of curcumin with vanillin: an electroanalytical approach. <i>Monatshefte für Chemie</i> , 2020, 151, 1681-1688.	0.9	26
38	Validated Electrochemical Method for Simultaneous Resolution of Tyrosine, Uric Acid, and Ascorbic Acid at Polymer Modified Nano-Composite Paste Electrode. <i>Surface Engineering and Applied Electrochemistry</i> , 2020, 56, 415-426.	0.3	25
39	Design of a Sensitive and Selective Voltammetric Sensor Based on a Cationic Surfactant-Modified Carbon Paste Electrode for the Determination of Alloxan. <i>ACS Omega</i> , 2020, 5, 23481-23490.	1.6	24
40	Electrochemical Fabrication of Poly (niacin) Modified Graphite Paste Electrode and its Application for the Detection of Riboflavin. <i>Open Chemical Engineering Journal</i> , 2020, 14, 90-98.	0.4	24
41	Colorimetric "naked eye"™ sensor for fluoride ion based on isatin hydrazones via hydrogen bond formation: Design, synthesis and characterization ascertained by Nuclear Magnetic Resonance, Ultraviolet-Visible, Computational and Electrochemical studies. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108216.	1.8	22
42	Electrochemical validation of L-tyrosine with dopamine using composite surfactant modified carbon nanotube electrode. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 3493-3503.	1.2	22
43	Highly Sensitive Polymer based Sensor for Determination of the Drug Mitoxantrone. <i>Journal of Surface Science and Technology</i> , 2018, 34, 74-80.	0.3	22
44	Poly (L-Proline) modified carbon paste electrode as the voltammetric sensor for the detection of Estriol and its simultaneous determination with Folic and Ascorbic acid. <i>Materials Science for Energy Technologies</i> , 2019, 2, 365-371.	1.0	21
45	Electrochemical Sensing of Paracetamol Using Electropolymerised and Sodium Lauryl Sulfate Modified Carbon Nanotube Paste Electrode. <i>ChemistrySelect</i> , 2020, 5, 9323-9329.	0.7	21
46	Development of Polymer Modified Electrochemical Sensor for the Determination of Alizarin Carmine in the Presence of Tartrazine. <i>Electroanalysis</i> , 2020, 32, 2474-2480.	1.5	21
47	Carbon Nanotube Paste Electrode for the Determination of Some Neurotransmitters: A Cyclic Voltammetric Study. <i>Modern Chemistry & Applications</i> , 2018, 06, .	0.2	20
48	Voltammetric analysis of antihistamine drug cetirizine and paracetamol at poly(L-Leucine) layered carbon nanotube paste electrode. <i>Surfaces and Interfaces</i> , 2021, 24, 101154.	1.5	20
49	Highly sensitive platform utilizing poly(L-methionine) layered carbon nanotube paste sensor for the determination of voltaren. <i>FlatChem</i> , 2020, 24, 100207.	2.8	19
50	Surfactant and Polymer Composite Modified Electrode for the Sensitive Determination of Vanillin in Food Sample. <i>ChemistrySelect</i> , 2021, 6, 2700-2708.	0.7	19
51	Simple and affordable graphene nano-platelets and carbon nanocomposite surface decorated with cetrimonium bromide as a highly responsive electrochemical sensor for rutin detection. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116388.	1.9	18
52	Fabrication of a sensitive and selective electrochemical sensing platform based on poly-L-leucine modified sensor for enhanced voltammetric determination of Riboflavin. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 3633-3643.	1.6	17
53	Electrochemical sensing of antibiotic drug amoxicillin in the presence of dopamine at simple and selective carbon paste electrode activated with cetyltrimethylammonium bromide surfactant. <i>Monatshefte für Chemie</i> , 2022, 153, 31-38.	0.9	16
54	Surfactant modified electrochemical sensor for determination of Anthrone " A cyclic voltammetry. <i>Materials Science for Energy Technologies</i> , 2019, 2, 408-416.	1.0	14

#	ARTICLE	IF	CITATIONS
55	Fabrication of Efficient and Selective Modified Graphene Paste Sensor for the Determination of Catechol and Hydroquinone. <i>Surfaces</i> , 2020, 3, 473-483.	1.0	13
56	Electrochemical analysis of L-Tryptophan at highly sensitive poly(Glycine) modified carbon nanotube paste sensor. <i>Materials Research Innovations</i> , 2022, 26, 134-143.	1.0	13
57	Simple and sensitive electrochemical analysis of riboflavin at functionalized carbon nanofiber modified carbon nanotube sensor. <i>Monatshefte für Chemie</i> , 2021, 152, 1183-1191.	0.9	13
58	Fabrication of poly(Aspartic acid) Layer on graphene nanoplatelets paste electrode for riboflavin sensing. <i>Materials Chemistry and Physics</i> , 2022, 276, 125392.	2.0	12
59	Highly Selective and Sensitive Voltammetric Method for the Detection of Catechol in Tea and Water Samples Using Poly(gibberellic acid)-Modified Carbon Paste Electrode. <i>ACS Omega</i> , 2022, 7, 24679-24687.	1.6	12
60	Electrochemical determination of levofloxacin drug at poly(clayton yellow)/carbon paste electrode. <i>Monatshefte für Chemie</i> , 2022, 153, 311-319.	0.9	11
61	Carbon Paste Electrode Modified with Boric Acid and TX-100 used for Electrochemical Determination of Dopamine. <i>Materials Today: Proceedings</i> , 2018, 5, 22368-22375.	0.9	9
62	Development of Sodium Dodecyl Sulfate Based Electrochemical Sensor for Tartrazine Determination. <i>Portugaliae Electrochimica Acta</i> , 2021, 39, 59-70.	0.4	9
63	Electroanalytical determination of acetaminophen using polymerized carbon nanocomposite based sensor. <i>Chemical Data Collections</i> , 2021, 33, 100718.	1.1	9
64	Enhanced Electrochemical Determination Of Riboflavin In Biological And Pharmaceutical Samples At Poly (Arginine) Modified Carbon Paste Electrode. <i>Methods and Objects of Chemical Analysis</i> , 2019, 14, 216-223.	0.4	9
65	One-pot Synthesis of Pyrimido[4,5-d]pyrimidine Derivatives and Investigation of Their Antibacterial, Antioxidant, DNA-binding and Voltammetric Characteristics. <i>ChemistrySelect</i> , 2019, 4, 990-996.	0.7	8
66	Electrochemical analysis of indigo carmine using polyarginine modified carbon paste electrode. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	1.6	7
67	Efficient Electrochemical Determination of Catechol with Hydroquinone at Poly (L-Serine) Layered Carbon Paste Electrode. <i>ChemistrySelect</i> , 2021, 6, 6764-6772.	0.7	7
68	Mechanistic Insights into the Voltammetric Determination of Riboflavin at Poly (Serine) Modified Graphite and Carbon Nanotube Composite Paste Electrode. <i>ChemistrySelect</i> , 2021, 6, 10746-10757.	0.7	7
69	Group IIA secreted phospholipase A2 inhibition by elemolic acid as a function of anti-inflammatory activity. <i>Scientific Reports</i> , 2022, 12, 7649.	1.6	7
70	Polymerized carbon nanotube paste electrode as a sensing material for the detection of adrenaline with folic acid. <i>Monatshefte für Chemie</i> , 2021, 152, 411-420.	0.9	6
71	Sodium Dodecyl Sulfate Modified Carbon Nano Tube Paste Electrode for Sensitive Cyclic Voltammetry Determination of Isatin. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 111-119.	0.6	6
72	Electrochemical Determination of Dopamine and Uric Acid Using Poly(proline) Modified Carbon Paste Electrode: A Cyclic Voltammetric Study. <i>Chemistry and Chemical Technology</i> , 2021, 15, 153-160.	0.2	5

#	ARTICLE	IF	CITATIONS
73	An overview of recent developments of carbon-based sensors for the analysis of drug molecules. Journal of Electrochemical Science and Engineering, 0, , .	1.6	5
74	Electro-Polymerized Titan Yellow Modified Carbon Paste Electrode for the Analysis of Curcumin. Surfaces, 2021, 4, 191-204.	1.0	5
75	Electroanalytical Determination of Tinidazole by using Surface Modified Carbon Nano Composite based Sensor. Materials Research Innovations, 2022, 26, 285-294.	1.0	5
76	Electrocatalytic Determination of Hydroxychloroquine Using Sodium Dodecyl Sulphate Modified Carbon Nanotube Paste Electrode. Topics in Catalysis, 2022, , 1-9.	1.3	5
77	Fabrication, characterization and application of poly(acriflavine) modified carbon nanotube paste electrode for the electrochemical determination of catechol. , 2021, , 105-117.		4
78	Colorimetric sensor based on hydrazine moiety for rapid and selective detection of fluoride ion via intramolecular charge transfer. International Journal of Environmental Analytical Chemistry, 2023, 103, 2681-2699.	1.8	4
79	A highly responsive voltammetric methodology for the sensing of antihistamine drug cetirizine on the surface of cetrimonium bromide immobilized multi-walled carbon nanotube electrode. Journal of Materials Science: Materials in Electronics, 2021, 32, 22668-22679.	1.1	4
80	Electroanalytical Determination of Acetaminophen Using a Polymerised Carbon Nanotube Based Sensor. Journal of Electronic Materials, 2021, 50, 6929-6940.	1.0	4
81	Cyclic Voltammetric Investigation of Caffeine at Methyl Orange Modified Carbon Paste Electrode. Biomedical Journal of Scientific & Technical Research, 2018, 9, .	0.0	4
82	Research developments in carbon materials based sensors for determination of hormones. Journal of Electrochemical Science and Engineering, 0, , .	1.6	4
83	Poly (DL-valine) electro-polymerized carbon nanotube paste sensor for determination of antihistamine drug cetirizine. Journal of Electrochemical Science and Engineering, 0, , .	1.6	2
84	Electroanalysis of Epinephrine using Polymerized Carbon Nanotube Composite Sensor. Topics in Catalysis, 0, , 1.	1.3	2
85	Current trends of functionalized nanomaterial-based sensors in point-of-care diagnosis. , 2022, , 337-353.		2
86	Electrochemical Determination of Riboflavin using a Poly(Titan Yellow) Modified Carbon Nanotube Paste Electrode in the Presence of Dopamine. ChemistrySelect, 2022, 7, .	0.7	2
87	Electroanalytical Performance of Surfactant-Modified Composite Carbon Paste Electrode for the Sensitive and Selective Determination of Fast Sulphon Black F. Journal of Materials Engineering and Performance, 2021, 30, 1683-1693.	1.2	1
88	Electrocatalytic Analysis of Diclofenac in the Presence of Dopamine at Surface Amplified Voltammetric Sensor Based on Poly Glycine Modified Carbon Nano Tube Paste Electrode. Topics in Catalysis, 0, , 1.	1.3	1
89	Carbon-Based Composite Materials for Electrodes. Materials, 2022, 15, 4908.	1.3	1
90	Voltammetric Determination of Anthrone Using Cetyl Trimethyl Ammonium Bromide Surfactant Modified Carbon Paste Electrode. Biomedical Journal of Scientific & Technical Research, 2018, 11, .	0.0	0

#	ARTICLE	IF	CITATIONS
91	Fast and Facile Voltammetric Detection of Acetaminophen at Poly (DL-phenylalanine) Modified Dysprosium-Copper Oxide Nanoparticle/Carbon Composite Paste Electrode. Open Chemical Engineering Journal, 2021, 15, 31-40.	0.4	0