

# Ida Tiwari

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53 papers	1,215 citations	20 h-index	33 g-index
54 ext. papers	1,447 ext. citations	4.6 avg, IF	4.95 L-index

#	Paper	IF	Citations
53	Nanoscale layered double hydroxide modified hybrid nanomaterials for wastewater treatment: A review. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 350, 118505	6	2
52	Nanoscale materials-based hybrid frameworks modified electrochemical biosensors for early cancer diagnostics: An overview of current trends and challenges. <i>Microchemical Journal</i> , <b>2022</b> , 172, 106980	4.8	4
51	Ultrasound-enhanced remediation of toxic dyes from wastewater by activated carbon-doped magnetic nanocomposites: analysis of real wastewater samples and surfactant effect. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 36680-36694	5.1	2
50	Development of g-C <sub>3</sub> N <sub>4</sub> /Cu-DTO MOF nanocomposite based electrochemical sensor towards sensitive determination of an endocrine disruptor BPSIP. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 887, 115170	4.1	7
49	Self-assembled benzoic acid functionalized graphene oxide sheets with zinc (II) ions: Graphene oxide framework; novel material for environmental sensing application. <i>Synthetic Metals</i> , <b>2021</b> , 276, 116754	3.6	5
48	Sulphur nanodots decorated graphene oxide nanocomposite for electrochemical determination of norepinephrine in presence and absence of 4-aminophenol, acetaminophen and tryptophan. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 881, 114956	4.1	4
47	Humic acid functionalized magnetic nanomaterials for remediation of dye wastewater under ultrasonication: Application in real water samples, recycling and reuse of nanosorbents. <i>Chemosphere</i> , <b>2020</b> , 245, 125553	8.4	29
46	A selective hydrolytic and restructuring approach through a Schiff base design on a coumarin platform for "turn-on" fluorogenic sensing of Zn. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2068-2076	4.3	12
45	An impedimetric biosensor based on electrophoretically assembled ZnO nanorods and carboxylated graphene nanoflakes on an indium tin oxide electrode for detection of the DNA of Escherichia coli O157:H7. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 1	5.8	159
44	Highly sensitive and selective determination of dopamine using screen-printed electrodes modified with nanocomposite of N?-phenyl-p-phenylenediamine/multiwalled carbon nanotubes/nafion. <i>Materials Research Bulletin</i> , <b>2018</b> , 101, 253-263	5.1	12
43	Electrochemical genosensor based on carboxylated graphene for detection of water-borne pathogen. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 275, 312-321	8.5	20
42	A reduced graphene oxide-cyclodextrin-platinum nanocomposite modified screen printed electrode for the detection of cysteine. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 829, 230-240	4.1	25
41	Highly sensitive amperometric sensing of nitrite utilizing bulk-modified MnO <sub>2</sub> decorated Graphene oxide nanocomposite screen-printed electrodes. <i>Electrochimica Acta</i> , <b>2017</b> , 227, 255-266	6.7	58
40	Recent build outs in electroanalytical biosensors based on carbon-nanomaterial modified screen printed electrode platforms. <i>Analytical Methods</i> , <b>2017</b> , 9, 3895-3907	3.2	34
39	Highly sensitive electrochemical immunosensor based on graphene-wrapped copper oxide-cysteine hierarchical structure for detection of pathogenic bacteria. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1060-1069	8.5	71
38	Electrochemical sensing of hydrogen peroxide using brominated graphene as mimetic catalase. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 1435-1444	6.7	29
37	A highly sensitive naphthaoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. <i>RSC Advances</i> , <b>2016</b> , 6, 94959-94966	3.7	21

36	Decoration of GO with Fe spinel-Naf/DMAP: an electrochemical probe for sensing H <sub>2</sub> O <sub>2</sub> reduction. <i>RSC Advances</i> , <b>2016</b> , 6, 104868-104874	3.7	19
35	A nanocomposite of ferrocenoyl glutaric acid hydrazone and multiwalled carbon nanotubes as a sensor for azide ions. <i>Analytical Methods</i> , <b>2016</b> , 8, 7124-7134	3.2	
34	Gold nanoparticle decorated graphene sheet-polypyrrole based nanocomposite: its synthesis, characterization and genosensing application. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15557-66	4.3	24
33	Electrochemical detection of a pathogenic Escherichia coli specific DNA sequence based on a graphene oxide-chitosan composite decorated with nickel ferrite nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 67115-67124	3.7	37
32	Application of Cationic Poly(lactic-co-glycolic acid) Iron Oxide/Chitosan-Based Nanocomposite for the Determination of Paraoxon. <i>ChemElectroChem</i> , <b>2015</b> , 2, 280-287	4.3	4
31	Electrochemical genosensor based on graphene oxide modified iron oxide-chitosan hybrid nanocomposite for pathogen detection. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 276-283	8.5	78
30	Design of screen-printed bulk modified electrodes using anthraquinone-cysteamine functionalized gold nanoparticles and their application to the detection of dissolved oxygen. <i>Analytical Methods</i> , <b>2015</b> , 7, 2020-2027	3.2	11
29	An anthraquinone moiety/cysteamine functionalized-gold nanoparticle/chitosan based nanostructured composite for the electroanalytical detection of dissolved oxygen within aqueous media. <i>Analytical Methods</i> , <b>2014</b> , 6, 8793-8801	3.2	12
28	Hierarchical cystine flower based electrochemical genosensor for detection of Escherichia coli O157:H7. <i>RSC Advances</i> , <b>2014</b> , 4, 31047-31055	3.7	14
27	Simultaneous determination of hydrazine and phenyl hydrazine using 4'-((4-carboxyphenyl)-2,2':6',2''-terpyridine diacetonitrile triphenylphosphine ruthenium(II) tetrafluoroborate complex functionalized multiwalled carbon nanotubes modified electrode. <i>Materials Research Bulletin</i> , <b>2014</b> , 60, 166-173	5.1	15
26	Neutral red interlinked gold nanoparticles/multiwalled carbon nanotubes hybrid nanomaterial and its application for the detection of NADH. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 94-101	5.1	13
25	Copper oxide assisted cysteine hierarchical structures for immunosensor application. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 103706	3.4	8
24	Nanostructuring of hierarchical 3D cystine flowers for high-performance electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 61, 328-35	11.8	20
23	Cationic poly(lactic-co-glycolic acid) iron oxide microspheres for nucleic acid detection. <i>Nanoscale</i> , <b>2013</b> , 5, 3800-7	7.7	20
22	Synthesis, crystal structure and nuclease activity of a Cu(II) complex having two different co-ordination geometries in the same unit cell. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1047, 66-72	3.4	5
21	Electrooxidation of dopamine at N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine/multiwalled carbon nanotubes nanocomposite-modified electrode. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1777-1784 <sup>25</sup>	2.5	3
20	Electro-oxidation of phenyl hydrazine on a modified electrode constructed using nanocomposite of ruthenium terpyridyl complex, multiwalled carbon nanotubes and nafion. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 106-111	6.7	23
19	Electroanalytical properties and application of anthraquinone derivative-functionalized multiwalled carbon nanotubes nanowires modified glassy carbon electrode in the determination of dissolved oxygen. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 1697-1703	5.1	14

18	Composite materials based on ormosil for the construction of electrochemical sensors and biosensors. <i>Russian Journal of General Chemistry</i> , <b>2012</b> , 82, 157-167	0.7	5
17	Polyaniline/polyacrylic acid/multi-walled carbon nanotube modified electrodes for sensing ascorbic acid. <i>Analytical Methods</i> , <b>2012</b> , 4, 118-124	3.2	42
16	In Situ Synthesis of Polymer Nanocomposites from PANI/PAA/MWCNTs: Analysis and Characterization. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2012</b> , 17, 371-380	1.7	10
15	Modification of Anthraquinone-2-Carboxylic Acid with Multiwalled Carbon Nanotubes and Electrocatalytic Behavior of Prepared Nanocomposite Towards Oxygen Reduction <b>2012</b> , 399-410		1
14	Preparation and characterization of methylene blue-SDS- multiwalled carbon nanotubes nanocomposite for the detection of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2011</b> , 174, 223-230	5.8	27
13	An Amperometric Sensor for Nanomolar Detection of Hydrogen Peroxide Based on Encapsulation of Horseradish Peroxidase in Thymol Blue-Ormosil Composite. <i>Sensor Letters</i> , <b>2011</b> , 9, 1323-1330	0.9	5
12	A Novel Amperometric Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Incorporated in Organically Modified Sol-Gel Glass Matrix/Graphite Paste with Multiwalled Carbon Nanotubes. <i>Analytical Letters</i> , <b>2010</b> , 43, 2019-2030	2.2	14
11	Anhydrous proton-conducting organic/inorganic hybrid membranes synthesized from tetramethoxysilane/methyltrimethoxysilane/diisopropyl phosphite and ionic liquid. <i>Ionics</i> , <b>2010</b> , 16, 385-395	2.7	8
10	An insight review on the application of polymer-carbon nanotubes based composite material in sensor technology. <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 2685-2694	0.7	16
9	An ormosil-based peroxide biosensor in a comparative study on direct electron transport from horseradish peroxidase. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 72, 224-232	8.5	37
8	A novel ferrocene encapsulated palladium-linked ormosil-based electrocatalytic dopamine biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 75, 48-55	8.5	41
7	An organically modified silicate-based ethanol biosensor. <i>Analytical Biochemistry</i> , <b>2001</b> , 288, 39-43	3.1	14
6	A Novel Ormosil Based Electrocatalytic Biosensor for Glucose/Ethanol Based on Dehydrogenase Modified Electrode. <i>Electroanalysis</i> , <b>2001</b> , 13, 820-825	3	9
5	A Novel Ferrocene-Encapsulated Palladium-Linked Ormosil-Based Electrocatalytic Biosensor. The Role of the Reactive Functional Group. <i>Electroanalysis</i> , <b>2001</b> , 13, 1519-1527	3	32
4	Studies on polycarbazole-modified electrode and its applications in the development of solid-state potassium and copper(II) ion sensors. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 75, 1749-1759	2.9	35
3	Acetylthiocholine/acetylcholine and thiocholine/choline electrochemical biosensors/sensors based on an organically modified sol-gel glass enzyme reactor and graphite paste electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 62, 109-116	8.5	65
2	Studies on Glucose Biosensors Based on Nonmediated and Mediated Electrochemical Oxidation of Reduced Glucose Oxidase Encapsulated Within Organically Modified Sol-Gel Glasses. <i>Electroanalysis</i> , <b>1999</b> , 11, 1251-1258	3	38
1	Advances in Sensors Technology		1

