

# Nandimalla Vishnu

## List of Publications by Citations

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27  
papers

547  
citations

14  
h-index

23  
g-index

28  
ext. papers

669  
ext. citations

4.7  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
27	MoS <sub>2</sub> based ultra-low-cost, flexible, non-enzymatic and non-invasive electrochemical sensor for highly selective detection of Uric acid in human urine samples. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 279, 53-60	8.5	108
26	Electrochemical immobilization of ellagic acid phytochemical on MWCNT modified glassy carbon electrode surface and its efficient hydrazine electrocatalytic activity in neutral pH. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 782, 215-224	4.1	43
25	A preanodized 6B-pencil graphite as an efficient electrochemical sensor for mono-phenolic preservatives (phenol and meta-cresol) in insulin formulations. <i>Analytical Methods</i> , <b>2015</b> , 7, 1943-1950	3.2	38
24	Pencil graphite as an elegant electrochemical sensor for separation-free and simultaneous sensing of hypoxanthine, xanthine and uric acid in fish samples. <i>Analytical Methods</i> , <b>2017</b> , 9, 2265-2274	3.2	36
23	Bimetallic Pt-Pd nanostructures supported on MoS as an ultra-high performance electrocatalyst for methanol oxidation and nonenzymatic determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 399	5.8	30
22	Single step grown MoS on pencil graphite as an electrochemical sensor for guanine and adenine: A novel and low cost electrode for DNA studies. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 124-125, 122-128	11.8	24
21	Cuprous oxide nanocubes decorated reduced graphene oxide nanosheets embedded in chitosan matrix: A versatile electrode material for stable supercapacitor and sensing applications. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 834, 187-195	4.1	24
20	A Novel Biomass Derived Carbon Quantum Dots for Highly Sensitive and Selective Detection of Hydrazine. <i>Electroanalysis</i> , <b>2018</b> , 30, 2228-2232	3	23
19	Disposable, efficient and highly selective electrochemical sensor based on Cadmium oxide nanoparticles decorated screen-printed carbon electrode for ascorbic acid determination in fruit juices. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 16, 96-103	5.6	22
18	Tea quality testing using 6B pencil lead as an electrochemical sensor. <i>Analytical Methods</i> , <b>2018</b> , 10, 2327-2336	3.2	20
17	Intrinsic Iron-Containing Multiwalled Carbon Nanotubes as Electro-Fenton Catalyst for the Conversion of Benzene to Redox-Active Surface-Confined Quinones. <i>ChemElectroChem</i> , <b>2016</b> , 3, 986-992	4.3	20
16	Unusual neutral pH assisted electrochemical polymerization of aniline on a MWCNT modified electrode and its enhanced electro-analytical features. <i>Analyst, The</i> , <b>2013</b> , 138, 6296-300	5	19
15	Impact of intrinsic iron on electrochemical oxidation of pencil graphite and its application as supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 269, 274-281	6.7	17
14	Selective in-situ derivatization of intrinsic nickel to nickel hexacyanoferrate on carbon nanotube and its application for electrochemical sensing of hydrazine. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 837, 60-66	4.1	17
13	Development of Prussian Blue and Fe(bpy) <sub>3</sub> <sup>2+</sup> hybrid modified pencil graphite electrodes utilizing its intrinsic iron for electroanalytical applications. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 786, 145-153	4.1	14
12	FeS <sub>2</sub> Grown Pencil Graphite as an In-expensive and Non-enzymatic Sensor for Sensitive Detection of Uric Acid in Non-invasive Samples. <i>Electroanalysis</i> , <b>2019</b> , 31, 2397-2403	3	12
11	Review Pencil Graphite Electrodes as Platform for Enzyme and Enzyme-Like Protein Immobilization for Electrochemical Detection. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 037520	3.9	12

10	Novel voltammetric detection of norfloxacin in urine and blood serum using a flexible Ni foam based Ni-Co-MOF ultrathin nanosheets derived from Ni-Co-LDH. <i>Microchemical Journal</i> , <b>2021</b> , 160, 105747	4.8	12
9	Selective electrochemical polymerization of 1-naphthylamine on carbon electrodes and its pH sensing behavior in non-invasive body fluids useful in clinical applications. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 275, 31-42	8.5	11
8	A new strategy for simple and quick estimation of redox active nickel impurity in pristine SWCNT as nickel hexacyanoferrate by electrochemical technique. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1111-1119	8.5	11
7	Large area, one step synthesis of NiSe films on cellulose paper for glucose monitoring in bio-mimicking samples for clinical diagnostics. <i>Nanotechnology</i> , <b>2019</b> , 30, 355502	3.4	9
6	Polyaniline Sheathed Black Phosphorous: A Novel, Advanced Platform for Electrochemical Sensing Applications. <i>Electroanalysis</i> , <b>2020</b> , 32, 238-247	3	9
5	Single Step Synthesis of MoSe <sub>2</sub> /MoO <sub>3</sub> Heterostructure for Highly Sensitive Amperometric Detection of Nitrite in Water Samples of Industrial Areas. <i>Electroanalysis</i> , <b>2019</b> , 31, 2410-2416	3	6
4	Highly selective electrochemical detection of diphenylamine in apple samples using rod shaped CuCo <sub>2</sub> O <sub>4</sub> derived from bimetallic organic frameworks. <i>Microchemical Journal</i> , <b>2021</b> , 165, 106146	4.8	5
3	Electrochemical Sensing Methodology for Antibioassays. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B3061-B3063	3.9	2
2	A low-cost and miniaturized electrochemical cell for low-sample analyses. <i>Microchemical Journal</i> , <b>2020</b> , 159, 105591	4.8	2
1	Paper Based Low-Cost and Portable Ultrasensitive Electroanalytical Device for The Detection of Uric Acid in Human Urine. <i>ChemistrySelect</i> , <b>2021</b> , 6, 8426-8434	1.8	1