

# Nandimalla Vishnu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1836266/publications.pdf>

Version: 2024-02-01

28  
papers

823  
citations

430874

18  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Step Synthesis of 2-D Marcasite FeS <sub>2</sub> Micro-Flowers Based Electrochemical Sensor for Simultaneous Detection of Four DNA Bases. IEEE Nanotechnology Magazine, 2022, 21, 374-379.	2.0	11
2	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. Microchemical Journal, 2021, 160, 105747.	4.5	25
3	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. Microchemical Journal, 2021, 165, 106146.	4.5	13
4	Paper Based Low-Cost and Portable Ultrasensitive Electroanalytical Device for The Detection of Uric Acid in Human Urine. ChemistrySelect, 2021, 6, 8426-8434.	1.5	3
5	Polyaniline Sheathed Black Phosphorous: A Novel, Advanced Platform for Electrochemical Sensing Applications. Electroanalysis, 2020, 32, 238-247.	2.9	13
6	Review Pencil Graphite Electrodes as Platform for Enzyme and Enzyme-Like Protein Immobilization for Electrochemical Detection. Journal of the Electrochemical Society, 2020, 167, 037520.	2.9	19
7	A low-cost and miniaturized electrochemical cell for low-sample analyses. Microchemical Journal, 2020, 159, 105591.	4.5	4
8	Single step grown MoS <sub>2</sub> on pencil graphite as an electrochemical sensor for guanine and adenine: A novel and low cost electrode for DNA studies. Biosensors and Bioelectronics, 2019, 124-125, 122-128.	10.1	38
9	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. Electroanalysis, 2019, 31, 2410-2416.	2.9	15
10	FeS <sub>2</sub> Grown Pencil Graphite as an Inexpensive and Non-enzymatic Sensor for Sensitive Detection of Uric Acid in Non-invasive Samples. Electroanalysis, 2019, 31, 2397-2403.	2.9	18
11	Large area, one step synthesis of NiSe <sub>2</sub> films on cellulose paper for glucose monitoring in bio-mimicking samples for clinical diagnostics. Nanotechnology, 2019, 30, 355502.	2.6	14
12	Selective in-situ derivatization of intrinsic nickel to nickel hexacyanoferrate on carbon nanotube and its application for electrochemical sensing of hydrazine. Journal of Electroanalytical Chemistry, 2019, 837, 60-66.	3.8	22
13	Cuprous oxide nanocubes decorated reduced graphene oxide nanosheets embedded in chitosan matrix: A versatile electrode material for stable supercapacitor and sensing applications. Journal of Electroanalytical Chemistry, 2019, 834, 187-195.	3.8	35
14	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. Sensors and Actuators B: Chemical, 2019, 279, 53-60.	7.8	167
15	Impact of intrinsic iron on electrochemical oxidation of pencil graphite and its application as supercapacitors. Electrochimica Acta, 2018, 269, 274-281.	5.2	19
16	Tea quality testing using 6B pencil lead as an electrochemical sensor. Analytical Methods, 2018, 10, 2327-2336.	2.7	32
17	Disposable, efficient and highly selective electrochemical sensor based on Cadmium oxide nanoparticles decorated screen-printed carbon electrode for ascorbic acid determination in fruit juices. Nano Structures Nano Objects, 2018, 16, 96-103.	3.5	40
18	Bimetallic Pt-Pd nanostructures supported on MoS <sub>2</sub> as an ultra-high performance electrocatalyst for methanol oxidation and nonenzymatic determination of hydrogen peroxide. Mikrohchimica Acta, 2018, 185, 399.	5.0	40

#	ARTICLE	IF	CITATIONS
19	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> , 2018, 275, 31-42.	7.8	15
20	A Novel Biomass Derived Carbon Quantum Dots for Highly Sensitive and Selective Detection of Hydrazine. <i>Electroanalysis</i> , 2018, 30, 2228-2232.	2.9	37
21	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> , 2017, 786, 145-153.	3.8	20
22	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> , 2017, 9, 2265-2274.	2.7	52
23	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> , 2017, 238, 1111-1119.	7.8	11
24	Intrinsic Iron-Containing Multiwalled Carbon Nanotubes as Electro-Fenton Catalyst for the Conversion of Benzene to Redox-Active Surface-Confined Quinones. <i>ChemElectroChem</i> , 2016, 3, 986-992.	3.4	23
25	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> , 2016, 782, 215-224.	3.8	63
26	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> , 2015, 7, 1943-1950.	2.7	47
27	Electrochemical Sensing Methodology for Antibioassays. <i>Journal of the Electrochemical Society</i> , 2014, 161, B3061-B3063.	2.9	5
28	Unusual neutral pH assisted electrochemical polymerization of aniline on a MWCNT modified electrode and its enhanced electro-analytical features. <i>Analyst</i> , 2013, 138, 6296.	3.5	22