

Nandimalla Vishnu

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.

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	Highly selective electrochemical detection of diphenylamine in apple samples using rod shaped CuCo ₂ O ₄ derived from bimetallic organic frameworks. <i>Microchemical Journal</i> , 2021 , 165, 106146	4.8	5
26	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> , 2021 , 160, 105747	4.8	12
25	Paper Based Low-Cost and Portable Ultrasensitive Electroanalytical Device for The Detection of Uric Acid in Human Urine. <i>ChemistrySelect</i> , 2021 , 6, 8426-8434	1.8	1
24	Review Pencil Graphite Electrodes as Platform for Enzyme and Enzyme-Like Protein Immobilization for Electrochemical Detection. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037520	3.9	12
23	A low-cost and miniaturized electrochemical cell for low-sample analyses. <i>Microchemical Journal</i> , 2020 , 159, 105591	4.8	2
22	Polyaniline Sheathed Black Phosphorous: A Novel, Advanced Platform for Electrochemical Sensing Applications. <i>Electroanalysis</i> , 2020 , 32, 238-247	3	9
21	Large area, one step synthesis of NiSe films on cellulose paper for glucose monitoring in bio-mimicking samples for clinical diagnostics. <i>Nanotechnology</i> , 2019 , 30, 355502	3.4	9
20	Single step grown MoS ₂ 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> , 2019 , 124-125, 122-128	11.8	24
19	Single Step Synthesis of MoSe ₂ /MoO ₃ Heterostructure for Highly Sensitive Amperometric Detection of Nitrite in Water Samples of Industrial Areas. <i>Electroanalysis</i> , 2019 , 31, 2410-2416	3	6
18	FeS ₂ Grown Pencil Graphite as an In-expensive and Non-enzymatic Sensor for Sensitive Detection of Uric Acid in Non-invasive Samples. <i>Electroanalysis</i> , 2019 , 31, 2397-2403	3	12
17	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> , 2019 , 837, 60-66	4.1	17
16	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> , 2019 , 834, 187-195	4.1	24
15	MoS ₂ 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> , 2019 , 279, 53-60	8.5	108
14	Impact of intrinsic iron on electrochemical oxidation of pencil graphite and its application as supercapacitors. <i>Electrochimica Acta</i> , 2018 , 269, 274-281	6.7	17
13	Tea quality testing using 6B pencil lead as an electrochemical sensor. <i>Analytical Methods</i> , 2018 , 10, 2327-2336	3.336	20
12	Bimetallic Pt-Pd nanostructures supported on MoS ₂ as an ultra-high performance electrocatalyst for methanol oxidation and nonenzymatic determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2018 , 185, 399	5.8	30
11	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	8.5	11

10	A Novel Biomass Derived Carbon Quantum Dots for Highly Sensitive and Selective Detection of Hydrazine. <i>Electroanalysis</i> , 2018 , 30, 2228-2232	3	23
9	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> , 2018 , 16, 96-103	5.6	22
8	Development of Prussian Blue and Fe(bpy) ₃ ²⁺ hybrid modified pencil graphite electrodes utilizing its intrinsic iron for electroanalytical applications. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 786, 145-153	4.1	14
7	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	3.2	36
6	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	8.5	11
5	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	4.1	43
4	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	4.3	20
3	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	3.2	38
2	Electrochemical Sensing Methodology for Antibioassays. <i>Journal of the Electrochemical Society</i> , 2014 , 161, B3061-B3063	3.9	2
1	Unusual neutral pH assisted electrochemical polymerization of aniline on a MWCNT modified electrode and its enhanced electro-analytical features. <i>Analyst, The</i> , 2013 , 138, 6296-300	5	19