

# Nadnudda Rodthongkum

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,848  
citations

172457

29  
h-index

175258

52  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3372  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Systematic investigation of brightener's effects on alkaline non-cyanide zinc electroplating using HPLC and molecular modeling. <i>Materials Chemistry and Physics</i> , 2022, 277, 125567.                                                                      | 4.0  | 8         |
| 2  | Conductive electrospun composite fibers based on solid-state polymerized Poly(3,4-ethylenedioxythiophene) for simultaneous electrochemical detection of metal ions. <i>Talanta</i> , 2022, 241, 123253.                                                          | 5.5  | 23        |
| 3  | Non-invasive electrochemical immunosensor for sweat cortisol based on L-cys/AuNPs/ MXene modified thread electrode. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114039.                                                                                    | 10.1 | 60        |
| 4  | Thread-Based Wristwatch Sensing Device for Noninvasive and Simultaneous Detection of Glucose and Lactate. <i>Advanced Materials Technologies</i> , 2022, 7, .                                                                                                    | 5.8  | 11        |
| 5  | A portable blood lactate sensor with a non-immobilized enzyme for early sepsis diagnosis. <i>Analyst, The</i> , 2022, 147, 2819-2827.                                                                                                                            | 3.5  | 5         |
| 6  | A dual-lactate sensor for milk spoilage based on modified recycled UHT milk carton cellulose surface. <i>Journal of Cleaner Production</i> , 2022, 363, 132519.                                                                                                  | 9.3  | 6         |
| 7  | Label-free anti-M $\beta$ 1/4llergian hormone sensor based on polyaniline micellar modified electrode. <i>Talanta</i> , 2021, 222, 121561.                                                                                                                       | 5.5  | 9         |
| 8  | Bacterial cellulose-based re-swella ble hydrogel: Facile preparation and its potential application as colorimetric sensor of sweat pH and glucose. <i>Carbohydrate Polymers</i> , 2021, 256, 117506.                                                             | 10.2 | 52        |
| 9  | Enhanced and Selective MALDI-MS Detection of Peptides via the Nanomaterial-Dependent Coffee Ring Effect. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1780-1788.                                                                     | 2.8  | 10        |
| 10 | Flexible cotton-AuNP thread electrode for non-enzymatic sensor of uric acid in urine. <i>Cellulose</i> , 2021, 28, 10501-10515.                                                                                                                                  | 4.9  | 9         |
| 11 | Non-invasive wearable chemical sensors in real-life applications. <i>Analytica Chimica Acta</i> , 2021, 1179, 338643.                                                                                                                                            | 5.4  | 68        |
| 12 | Polyvinyl alcohol/starch modified cotton thread surface as a novel colorimetric glucose sensor. <i>Materials Letters</i> , 2021, 299, 130076.                                                                                                                    | 2.6  | 9         |
| 13 | Nanomaterials-based electrochemical sensors and biosensors for the detection of non-steroidal anti-inflammatory drugs. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116403.                                                                         | 11.4 | 49        |
| 14 | A non-enzymatic disposable electrochemical sensor based on surface-modified screen-printed electrode CuO-IL/rGO nanocomposite for a single-step determination of glucose in human urine and electrolyte drinks. <i>Analytical Methods</i> , 2021, 13, 2796-2803. | 2.7  | 23        |
| 15 | A critical review on cellulose wastes as the novel substrates for colorimetric and electrochemical sensors. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100190.                                                                        | 5.6  | 3         |
| 16 | Development of cellulose from recycled office waste paper-based composite as a platform for the colorimetric sensor in food spoilage indicator. <i>Journal of Polymer Research</i> , 2021, 28, 1.                                                                | 2.4  | 6         |
| 17 | TiO <sub>2</sub> /MXene-PVA/GO hydrogel-based electrochemical sensor for neurological disorder screening via urinary norepinephrine detection. <i>Mikrochimica Acta</i> , 2021, 188, 387.                                                                        | 5.0  | 27        |
| 18 | 3D paper-based microfluidic device: a novel dual-detection platform of bisphenol A. <i>Analyst, The</i> , 2020, 145, 1491-1498.                                                                                                                                  | 3.5  | 34        |

| #  | ARTICLE                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Colorimetric sensor and LDI-MS detection of biogenic amines in food spoilage based on porous PLA and graphene oxide. <i>Food Chemistry</i> , 2020, 329, 127165.                                                                                  | 8.2  | 62        |
| 20 | Recent Advances in Microfluidic Paper-Based Analytical Devices toward High-Throughput Screening. <i>Molecules</i> , 2020, 25, 2970.                                                                                                              | 3.8  | 39        |
| 21 | Cotton thread-based wearable sensor for non-invasive simultaneous diagnosis of diabetes and kidney failure. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128549.                                                                        | 7.8  | 74        |
| 22 | Single step preparation of platinum nanoflowers/reduced graphene oxide electrode as a novel platform for diclofenac sensor. <i>Microchemical Journal</i> , 2020, 155, 104744.                                                                    | 4.5  | 27        |
| 23 | Kenaf cellulose-based 3D printed device: a novel colorimetric sensor for Ni(II). <i>Cellulose</i> , 2020, 27, 5211-5222.                                                                                                                         | 4.9  | 13        |
| 24 | Vanadium-Based Oxide on Two-Dimensional Vanadium Carbide MXene ( $V_2O_x@V_2CT_x$ ) as Cathode for Rechargeable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 4677-4689.                                            | 5.1  | 138       |
| 25 | A copper oxide-ionic liquid/reduced graphene oxide composite sensor enabled by digital dispensing: Non-enzymatic paper-based microfluidic determination of creatinine in human blood serum. <i>Analytica Chimica Acta</i> , 2019, 1083, 110-118. | 5.4  | 65        |
| 26 | Electrochemical immunosensor based on gold-labeled monoclonal anti-LipL32 for leptospirosis diagnosis. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111539.                                                                                 | 10.1 | 45        |
| 27 | A nanocomposite prepared from platinum particles, polyaniline and a Ti <sub>3</sub> C <sub>2</sub> MXene for amperometric sensing of hydrogen peroxide and lactate. <i>Mikrochimica Acta</i> , 2019, 186, 752.                                   | 5.0  | 79        |
| 28 | Reduced Graphene Oxide/Carboxymethyl Cellulose Nanocomposites: Novel Conductive Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3544-3550.                                                                                   | 0.9  | 21        |
| 29 | TiO <sub>2</sub> sol/graphene modified 3D porous Ni foam: A novel platform for enzymatic electrochemical biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 133-142.                                                          | 3.8  | 23        |
| 30 | Label-free paper-based electrochemical impedance immunosensor for human interferon gamma detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 298-304.                                                                               | 7.8  | 101       |
| 31 | Non-invasive textile based colorimetric sensor for the simultaneous detection of sweat pH and lactate. <i>Talanta</i> , 2019, 192, 424-430.                                                                                                      | 5.5  | 155       |
| 32 | ZnO@graphene nanocomposite modified electrode for sensitive and simultaneous detection of Cd (II) and Pb (II). <i>Synthetic Metals</i> , 2018, 245, 251-259.                                                                                     | 3.9  | 65        |
| 33 | Hydrophilic graphene surface prepared by electrochemically reduced micellar graphene oxide as a platform for electrochemical sensor. <i>Talanta</i> , 2017, 165, 692-701.                                                                        | 5.5  | 42        |
| 34 | Paper-Based Digital Microfluidic Chip for Multiple Electrochemical Assay Operated by a Wireless Portable Control System. <i>Advanced Materials Technologies</i> , 2017, 2, 1600267.                                                              | 5.8  | 54        |
| 35 | Electroless NiP-TiO <sub>2</sub> sol-RGO: A smart coating for enhanced corrosion resistance and conductivity of steel. <i>Surface and Coatings Technology</i> , 2017, 325, 604-610.                                                              | 4.8  | 21        |
| 36 | Label-free immunosensor based on graphene/polyaniline nanocomposite for neutrophil gelatinase-associated lipocalin detection. <i>Biosensors and Bioelectronics</i> , 2017, 87, 249-255.                                                          | 10.1 | 66        |

| #  | ARTICLE                                                                                                                                                                                                                                         | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | TiO <sub>2</sub> sol-embedded in electroless Ni@P coating: a novel approach for an ultra-sensitive sorbitol sensor. <i>RSC Advances</i> , 2016, 6, 69261-69269.                                                                                 | 3.6  | 6         |
| 38 | Free radical scavenger screening of total antioxidant capacity in herb and beverage using graphene/PEDOT: PSS-modified electrochemical sensor. <i>Journal of Electroanalytical Chemistry</i> , 2016, 767, 68-75.                                | 3.8  | 26        |
| 39 | Nitrogen-doped graphene@polyvinylpyrrolidone/gold nanoparticles modified electrode as a novel hydrazine sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 524-532.                                                                  | 7.8  | 55        |
| 40 | Graphene/polyvinylpyrrolidone/polyaniline nanocomposite-modified electrode for simultaneous determination of parabens by high performance liquid chromatography. <i>Talanta</i> , 2016, 148, 655-660.                                           | 5.5  | 30        |
| 41 | Sensitive electrochemical sensor using a graphene@polyaniline nanocomposite for simultaneous detection of Zn(II), Cd(II), and Pb(II). <i>Analytica Chimica Acta</i> , 2015, 874, 40-48.                                                         | 5.4  | 260       |
| 42 | Patterned Poly(acrylic acid) Brushes Containing Gold Nanoparticles for Peptide Detection by Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 10738-10746.                                | 6.5  | 35        |
| 43 | An electrochemical sensor based on graphene/polyaniline/polystyrene nanoporous fibers modified electrode for simultaneous determination of lead and cadmium. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 526-534.                     | 7.8  | 284       |
| 44 | Novel paper-based cholesterol biosensor using graphene/polyvinylpyrrolidone/polyaniline nanocomposite. <i>Biosensors and Bioelectronics</i> , 2014, 52, 13-19.                                                                                  | 10.1 | 302       |
| 45 | Ultra-performance liquid chromatography coupled with graphene/polyaniline nanocomposite modified electrode for the determination of sulfonamide residues. <i>Talanta</i> , 2014, 123, 115-121.                                                  | 5.5  | 29        |
| 46 | Electrochemical detection of human papillomavirus DNA type 16 using a pyrrolidiny peptide nucleic acid probe immobilized on screen-printed carbon electrodes. <i>Biosensors and Bioelectronics</i> , 2014, 54, 428-434.                         | 10.1 | 121       |
| 47 | A facile synthesis of nanorods of ZnO/graphene oxide composites with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2014, 321, 226-232.                                                                                     | 6.1  | 67        |
| 48 | Graphene-loaded nanofiber-modified electrodes for the ultrasensitive determination of dopamine. <i>Analytica Chimica Acta</i> , 2013, 804, 84-91.                                                                                               | 5.4  | 52        |
| 49 | Selective enrichment and sensitive detection of peptide and protein biomarkers in human serum using polymeric reverse micelles and MALDI-MS. <i>Analyst</i> , 2012, 137, 1024-1030.                                                             | 3.5  | 30        |
| 50 | Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry Signal Enhancement of Peptides after Selective Extraction with Polymeric Reverse Micelles. <i>Analytical Chemistry</i> , 2010, 82, 3686-3691.                                     | 6.5  | 15        |
| 51 | Selective Enrichment and Analysis of Acidic Peptides and Proteins Using Polymeric Reverse Micelles and MALDI-MS. <i>Analytical Chemistry</i> , 2010, 82, 8686-8691.                                                                             | 6.5  | 21        |
| 52 | Generating Peptide Titration-Type Curves Using Polymeric Reverse Micelles As Selective Extraction Agents along with Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2009, 81, 5046-5053. | 6.5  | 13        |