

Nagamalai Vasimalai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/448571/publications.pdf>

Version: 2024-02-01

22
papers

674
citations

686830

13
h-index

713013

21
g-index

22
all docs

22
docs citations

22
times ranked

902
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Green synthesis of fluorescent carbon dots from spices for in vitro imaging and tumour cell growth inhibition. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 530-544. | 1.5 | 139 |
| 2 | Picomolar melamine enhanced the fluorescence of gold nanoparticles: Spectrofluorimetric determination of melamine in milk and infant formulas using functionalized triazole capped gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013, 42, 267-272. | 5.3 | 62 |
| 3 | Biocompatibility and Bioimaging Potential of Fruit-Based Carbon Dots. <i>Nanomaterials</i> , 2019, 9, 199. | 1.9 | 58 |
| 4 | One minute synthesis of green fluorescent copper nanocluster: The preparation of smartphone aided paper-based kit for on-site monitoring of nanomolar level mercury and sulfide ions in environmental samples. <i>Journal of Hazardous Materials</i> , 2020, 392, 122294. | 6.5 | 55 |
| 5 | Aggregation and de-aggregation of gold nanoparticles induced by polyionic drugs: spectrofluorimetric determination of picogram amounts of protamine and heparin drugs in the presence of 1000-fold concentration of major interferences. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5620. | 2.9 | 43 |
| 6 | Biopolymer capped silver nanoparticles as fluorophore for ultrasensitive and selective determination of malathion. <i>Talanta</i> , 2013, 115, 24-31. | 2.9 | 42 |
| 7 | Detection of Sulfide Using Mercapto Tetrazine-Protected Fluorescent Gold Nanodots: Preparation of Paper-Based Testing Kit for On-Site Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1634-1645. | 4.0 | 41 |
| 8 | Micromolar Hg(II) induced the morphology of gold nanoparticles: a novel luminescent sensor for femtomolar Hg(II) using triazole capped gold nanoparticles as a fluorophore. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4475. | 5.2 | 35 |
| 9 | Highly Selective Detection of Iodide in Biological, Food, and Environmental Samples Using Polymer-Capped Silver Nanoparticles: Preparation of a Paper-Based Testing Kit for On-Site Monitoring. <i>ACS Omega</i> , 2019, 4, 11372-11379. | 1.6 | 35 |
| 10 | Ultrasensitive and selective spectrofluorimetric determination of Hg(II) using a dimercaptothiadiazole fluorophore. <i>Journal of Luminescence</i> , 2011, 131, 2636-2641. | 1.5 | 28 |
| 11 | Nanomolar detection of L-cysteine and Cu ²⁺ ions based on Trehalose capped silver nanoparticles. <i>Microchemical Journal</i> , 2021, 161, 105782. | 2.3 | 28 |
| 12 | Spectrofluorimetric determination of picogram level Pb(II) using a dimercaptothiadiazole fluorophore. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 153-158. | 2.0 | 18 |
| 13 | Novel one-pot and facile room temperature synthesis of gold nanodots and application as highly sensitive and selective probes for cyanide detection. <i>Nanotechnology</i> , 2016, 27, 475505. | 1.3 | 15 |
| 14 | Off-on and off-off chemosensors for ultratrace mercury(II) and copper(II) using functionalized thiazole and cadmium sulfide nanoparticles fluorophores. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 800-808. | 4.0 | 14 |
| 15 | Facile In-Situ Synthesis of Biopolymer Capped Nano Sized Silver Particles: Smartphone Aided Paper-Based Selective Detection of CYS and TC Drugs in Biological and Drug Samples. <i>Journal of Cluster Science</i> , 2022, 33, 1055-1067. | 1.7 | 11 |
| 16 | High-Performance-Based Perovskite-Supported Nanocomposite for the Development of Green Energy Device Applications: An Overview. <i>Nanomaterials</i> , 2021, 11, 1006. | 1.9 | 11 |
| 17 | On-off fluorescence sequential sensor for silver ions, thiamine and anti-counterfeiting application using mannitol derived carbon dots. <i>Nano Structures Nano Objects</i> , 2022, 30, 100868. | 1.9 | 9 |
| 18 | White light emitting diode and anti-counterfeiting applications of microwave assisted synthesized green fluorescent carbon dots derived from waste curry leaves. <i>Results in Optics</i> , 2022, 8, 100249. | 0.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Protein protected gold nanoparticles as a fluorophore for the highly selective and ultrasensitive determination of bisphenol A in plastic samples. <i>Analytical Methods</i> , 2013, 5, 5515. | 1.3 | 8 |
| 20 | Economically viable sensitive and selective luminescent sensor for the determination of Au(III) in environmental samples. <i>RSC Advances</i> , 2014, 4, 38812-38819. | 1.7 | 7 |
| 21 | A turn-on highly selective and ultrasensitive determination of copper (II) in an aqueous medium using folic acid capped gold nanoparticles as the probe. <i>Nanotechnology</i> , 2013, 24, 505503. | 1.3 | 6 |
| 22 | Gold and Silver Fluorescent Nanomaterials as Emerging Probes for Toxic and Biochemical Sensors. , 2018, , 327-383. | | 0 |