

Nagamalai Vasimalai

List of Publications by Citations

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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.

22
papers

445
citations

12
h-index

21
g-index

22
ext. papers

557
ext. citations

5.8
avg, IF

4.41
L-index

#	Paper	IF	Citations
22	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	3	86
21	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, 267-72	11.8	53
20	Biopolymer capped silver nanoparticles as fluorophore for ultrasensitive and selective determination of malathion. <i>Talanta</i> , 2013 , 115, 24-31	6.2	36
19	Biocompatibility and Bioimaging Potential of Fruit-Based Carbon Dots. <i>Nanomaterials</i> , 2019 , 9,	5.4	33
18	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	13	32
17	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 ,	7.3	28
16	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	12.8	26
15	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, 16345-1645 ²⁵	9.5	25
14	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	3.9	25
13	Ultrasensitive and selective spectrofluorimetric determination of Hg(II) using a dimercaptotriazazole fluorophore. <i>Journal of Luminescence</i> , 2011 , 131, 2636-2641	3.8	24
12	Spectrofluorimetric determination of picogram level Pb(II) using a dimercaptotriazazole fluorophore. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 82, 153-8	4.4	16
11	Nanomolar detection of L-cysteine and Cu ²⁺ ions based on Trehalose capped silver nanoparticles. <i>Microchemical Journal</i> , 2021 , 161, 105782	4.8	13
10	Off and on 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	8.5	12
9	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	3.4	11
8	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	3.2	7
7	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	3.4	6
6	Economically viable sensitive and selective luminescent sensor for the determination of Au(III) in environmental samples. <i>RSC Advances</i> , 2014 , 4, 38812-38819	3.7	5

5	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> ,1	3	4
4	High-Performance-Based Perovskite-Supported Nanocomposite for the Development of Green Energy Device Applications: An Overview. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
3	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	5.6	1
2	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 , 100249	1	0
1	Gold and Silver Fluorescent Nanomaterials as Emerging Probes for Toxic and Biochemical Sensors 2018 , 327-383		