Nagamalai Vasimalai

List of Publications by Year
in descending order

22	674	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Green synthesis of fluorescent carbon dots from spices for in vitro imaging and tumour cell growth inhibition. Beilstein Journal of Nanotechnology, 2018, 9, 530-544.	2.8	139
2	Picomolar melamine enhanced the fluorescence of gold nanoparticles: Spectrofluorimetric determination of melamine in milk and infant formulas using functionalized triazole capped goldnanoparticles. Biosensors and Bioelectronics, 2013, 42, 267-272.	10.1	62
3	Biocompatibility and Bioimaging Potential of Fruit-Based Carbon Dots. Nanomaterials, 2019, 9, 199.	4.1	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. Journal of Hazardous Materials, 2020, 392, 122294.	12.4	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. Journal of Materials Chemistry B, 2013, 1, 5620.	5.8	43
6	Biopolymer capped silver nanoparticles as fluorophore for ultrasensitive and selective determination of malathion. Talanta, 2013, 115, 24-31.	5.5	42
7	Detection of Sulfide Using Mercapto Tetrazine-Protected Fluorescent Gold Nanodots: Preparation of Paper-Based Testing Kit for On-Site Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 1634-1645.	8.0	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. Journal of Materials Chemistry A, 2013, 1, 4475.	10.3	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. ACS Omega, 2019, 4, 11372-11379.	3.5	35
10	Ultrasensitive and selective spectrofluorimetric determination of Hg(II) using a dimercaptothiadiazole fluorophore. Journal of Luminescence, 2011, 131, 2636-2641.	3.1	28
11	Nanomolar detection of L-cysteine and Cu2+ ions based on Trehalose capped silver nanoparticles. Microchemical Journal, 2021, 161, 105782.	4.5	28
12	Spectrofluorimetric determination of picogram level Pb(II) using a dimercaptothiadiazole fluorophore. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 153-158.	3.9	18
13	Novel one-pot and facile room temperature synthesis of gold nanodots and application as highly sensitive and selective probes for cyanide detection. Nanotechnology, 2016, 27, 475505.	2.6	15
14	Offâ€“on and onâ€“off chemosensors for ultratrace mercury(II) and copper(II) using functionalized thiazole and cadmium sulfide nanoparticles fluorophores. Sensors and Actuators B: Chemical, 2014, 190, 800-808.	7.8	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. Journal of Cluster Science, 2022, 33, 1055-1067.	3.3	11
16	High-Performance-Based Perovskite-Supported Nanocomposite for the Development of Green Energy Device Applications: An Overview. Nanomaterials, 2021, 11, 1006.	4.1	11
17	Onâ€“Offâ€“On fluorescence sequential sensor for silver ions, thiamine and anti-counterfeiting application using mannitol derived carbon dots. Nano Structures Nano Objects, 2022, 30, 100868.	3.5	9
18	White light emitting diode and anti-counterfeiting applications of microwave assisted synthesized green fluorescent carbon dots derived from waste curry leaves. Results in Optics, 2022, 8, 100249.	2.0	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. Analytical Methods, 2013, 5, 5515.	2.7	8
20	Economically viable sensitive and selective luminescent sensor for the determination of Au(<scp>iii</scp>) in environmental samples. RSC Advances, 2014, 4, 38812-38819.	3.6	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. Nanotechnology, 2013, 24, 505503.	2.6	6
22	Gold and Silver Fluorescent Nanomaterials as Emerging Probes for Toxic and Biochemical Sensors. , 2018, , 327-383.		0