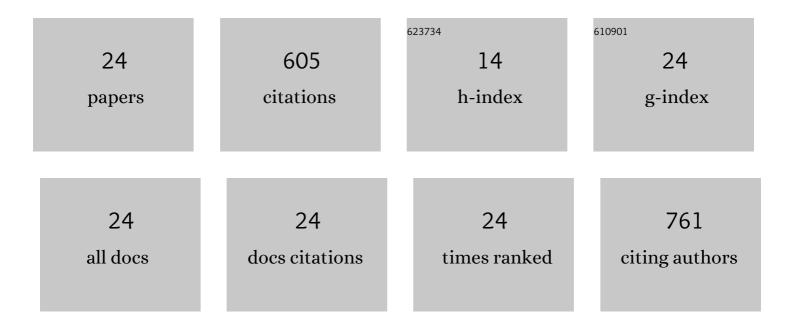
N Vasimalai

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Comparative Study of Tubular Solar Stills with Phase Change Material and Nano-Enhanced Phase Change Material. Energies, 2020, 13, 3989.	3.1	68
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	Ultrasensitive fluorescence-quenched chemosensor for Hg(II) in aqueous solution based on mercaptothiadiazole capped silver nanoparticles. Journal of Hazardous Materials, 2012, 213-214, 193-199.	12.4	59
4	Reductive degradation of toxic six dyes in industrial wastewater using diaminobenzoic acid capped silver nanoparticles. Journal of Environmental Chemical Engineering, 2020, 8, 104225.	6.7	47
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	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
8	One-pot green route synthesis of silver nanoparticles from jack fruit seeds and their antibacterial activities with escherichia coli and salmonella bacteria. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101241.	3.1	32
9	Ultrasensitive and selective spectrofluorimetric determination of Hg(II) using a dimercaptothiadiazole fluorophore. Journal of Luminescence, 2011, 131, 2636-2641.	3.1	28
10	Mercaptothiadiazole capped gold nanoparticles as fluorophore for the determination of nanomolar mercury(ii) in aqueous solution in the presence of 50 000-fold major interferents. Analyst, The, 2012, 137, 3349.	3.5	28
11	Green synthesis of silver nanoparticles from plant latex and their antibacterial and photocatalytic studies. Environmental Technology (United Kingdom), 2022, 43, 3064-3074.	2.2	19
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	Reductive photocatalytic degradation of toxic aniline blue dye using green synthesized banyan aerial root extract derived silver nanoparticles. Biocatalysis and Agricultural Biotechnology, 2021, 36, 102140.	3.1	16
14	Fabrication and structural properties of flower-like TiO2 nanorod array films grown on glass substrate without FTO layer. Materials Letters, 2020, 273, 127902.	2.6	15
15	Heterojunction of SnO2 nanosheet/arrayed ZnO nanorods for humidity sensing. Materials Chemistry and Physics, 2022, 288, 126436.	4.0	15
16	Off–on and on–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
17	Fabrication, structural, optical, electrical, and humidity sensing characteristics of hierarchical NiO nanosheet/nanoball-flower-like structure films. Journal of Materials Science: Materials in Electronics, 2020, 31, 11673-11687.	2.2	13
18	Annealing temperature dependency of structural, optical and electrical characteristics of manganese-doped nickel oxide nanosheet array films for humidity sensing applications. Nanomaterials and Nanotechnology, 2021, 11, 184798042098278.	3.0	12

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#	Article	IF	CITATIONS
19	Effective Multi Toxic Dyes Degradation Using Bio-Fabricated Silver Nanoparticles as a Green Catalyst. Applied Biochemistry and Biotechnology, 2023, 195, 3872-3887.	2.9	10
20	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
21	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
22	Preparation of a portable calorimetry kit and one-step spectrophotometric nanomolar level detection of l-Histidine in serum and urine samples using sebacic acid capped silver nanoparticles. Journal of Science: Advanced Materials and Devices, 2021, 6, 100-107.	3.1	7
23	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
24	Humidity Sensing Performance of V: TiO ₂ 3D Nanostructure-based Humidity Sensor. IOP Conference Series: Earth and Environmental Science, 2021, 682, 012073.	0.3	1