# Vinayagam Ramesh

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 40 papers | 2,171 citations | 236833 25 h-index | 302012 39 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 2027 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Characterization and photocatalytic activity of ZnO nanoflowers synthesized using Bridelia retusa leaf extract. Applied Nanoscience (Switzerland), 2023, 13, 493-502. | 1.6 | 22 |
| 2 | Synthesis of photocatalytic zinc oxide nanoflowers using Peltophorum pterocarpum pod extract and their characterization. Applied Nanoscience (Switzerland), 2023, 13, 847-857. | 1.6 | 17 |
| 3 | Superparamagnetic spherical magnetite nanoparticles: synthesis, characterization and catalytic potential. Applied Nanoscience (Switzerland), 2023, 13, 6003-6014. | 1.6 | 13 |
| 4 | Magnetic activated charcoal/Fe2O3 nanocomposite for the adsorptive removal of 2,4-Dichlorophenoxyacetic acid (2,4-D) from aqueous solutions: Synthesis, characterization, optimization, kinetic and isotherm studies. Chemosphere, 2022, 286, 131938. | 4.2 | 52 |
| 5 | Superparamagnetic hematite spheroids synthesis, characterization, and catalytic activity. Chemosphere, 2022, 294, 133730. | 4.2 | 25 |
| 6 | Artificial neural network and statistical modelling of biosorptive removal of hexavalent chromium using macroalgal spent biomass. Chemosphere, 2022, 296, 133965. | 4.2 | 53 |
| 7 | Rapid photocatalytic degradation of 2, 4-dichlorophenoxy acetic acid by ZnO nanoparticles synthesized using the leaf extract of Muntingia calabura. Journal of Molecular Structure, 2022, 1263, 133127. | 1.8 | 28 |
| 8 | Green synthesized hydroxyapatite nanoadsorbent for the adsorptive removal of AB113 dye for environmental applications. Environmental Research, 2022, 212, 113274. | 3.7 | 22 |
| 9 | Adsorptive removal of Acid Blue 113 using hydroxyapatite nanoadsorbents synthesized using Peltophorum pterocarpum pod extract. Chemosphere, 2022, 299, 134752. | 4.2 | 32 |
| 10 | Nitrogen dependence of rhamnolipid mediated degradation of petroleum crude oil by indigenous Pseudomonas sp. WD23 in seawater. Chemosphere, 2022, 304, 135235. | 4.2 | 14 |
| 11 | Plant-mediated gold and silver nanoparticles as detectors of heavy metal contamination. Food and Chemical Toxicology, 2022, 167, 113271. | 1.8 | 15 |
| 12 | Photocatalytic degradation of methylene blue dye using newly synthesized zirconia nanoparticles. Environmental Research, 2022, 214, 113785. | 3.7 | 13 |
| 13 | Evaluation of seasonal variation and the optimization of reducing sugar extraction from Ulva prolifera biomass using thermochemical method. Environmental Science and Pollution Research, 2021, 28, 58857-58871. | 2.7 | 15 |
| 14 | Structural characterization of green synthesized magnetic mesoporous Fe3O4NPs@ME. Materials Chemistry and Physics, 2021, 262, 124323. | 2.0 | 33 |
| 15 | Production and extraction of red pigment by solid-state fermentation of broken rice using Monascus sanguineus NFCCI 2453. Biocatalysis and Agricultural Biotechnology, 2021, 33, 101964. | 1.5 | 14 |
| 16 | Green synthesis of magnetic Î±â€“Fe2O3 nanospheres using Bridelia retusa leaf extract for Fenton-like degradation of crystal violet dye. Applied Nanoscience (Switzerland), 2021, 11, 2227-2234. | 1.6 | 39 |
| 17 | Recovery of value-added products from wastewater using Aqueous Two-Phase Systems â€“ A review. Science of the Total Environment, 2021, 778, 146293. | 3.9 | 32 |
| 18 | Modelling of fermentative bioethanol production from indigenous Ulva prolifera biomass by Saccharomyces cerevisiae NFCCI1248 using an integrated ANN-GA approach. Science of the Total Environment, 2021, 791, 148429. | 3.9 | 23 |

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|---|---|---|---|
| 19 | Characterization of silver nano-spheres synthesized using the extract of Arachis hypogaea nuts and their catalytic potential to degrade dyes. Materials Chemistry and Physics, 2021, 272, 125017. | 2.0 | 33 |
| 20 | Green synthesis and structural characterization of silver nanoparticles synthesized using the pod extract of Clitoria ternatea and its application towards dye degradation. Materials Today: Proceedings, 2020, 23, 27-29. | 0.9 | 31 |
| 21 | Green synthesis of silver nanoparticles using Thunbergia grandiflora flower extract and its catalytic action in reduction of Congo red dye. Materials Today: Proceedings, 2020, 23, 39-42. | 0.9 | 56 |
| 22 | Synthesis, characterization and photocatalytic dye degradation capability of Calliandra haematocephala-mediated zinc oxide nanoflowers. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111760. | 1.7 | 117 |
| 23 | Structural characterization of green synthesized Î±-Fe2O3 nanoparticles using the leaf extract of Spondias dulcis. Surfaces and Interfaces, 2020, 20, 100618. | 1.5 | 49 |
| 24 | Dye degradation and antibacterial activity of green synthesized silver nanoparticles using Ipomoea digitata Linn. flower extract. International Journal of Environmental Science and Technology, 2019, 16, 2395-2404. | 1.8 | 61 |
| 25 | Biogenic synthesis of ferric oxide nanoparticles using the leaf extract of Peltophorum pterocarpum and their catalytic dye degradation potential. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101251. | 1.5 | 78 |
| 26 | A critical review on production of bioethanol from macroalgal biomass. Algal Research, 2019, 42, 101606. | 2.4 | 87 |
| 27 | Photocatalytic degradation of Rhodamine B by zinc oxide nanoparticles synthesized using the leaf extract of Cyanometra ramiflora. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111621. | 1.7 | 190 |
| 28 | Photocatalytic zinc oxide nanoparticles synthesis using Peltophorum pterocarpum leaf extract and their characterization. Optik, 2019, 185, 248-255. | 1.4 | 79 |
| 29 | Optimization of Glucoamylase Production by Humicola grisea MTCC 352 in Solid State Fermentation. Chiang Mai University Journal of Natural Sciences, 2019, 18, . | 0.1 | 1 |
| 30 | Green synthesis, structural characterization, and catalytic activity of silver nanoparticles stabilized with Bridelia retusa leaf extract. Green Processing and Synthesis, 2018, 7, 30-37. | 1.3 | 38 |
| 31 | Green biosynthesis of silver nanoparticles using Calliandra haematocephala leaf extract, their antibacterial activity and hydrogen peroxide sensing capability. Arabian Journal of Chemistry, 2017, 10, 253-261. | 2.3 | 260 |
| 32 | Evaluation of the Anticoagulant and Catalytic Activities of the Bridelia retusa Fruit Extract-Functionalized Silver Nanoparticles. Journal of Cluster Science, 2017, 28, 2919-2932. | 1.7 | 42 |
| 33 | Structural characterization of silver nanoparticles phyto-mediated by a plant waste, seed hull of Vigna mungo and their biological applications. Journal of Molecular Structure, 2017, 1147, 629-635. | 1.8 | 44 |
| 34 | Structural characterization, antibacterial and catalytic effect of iron oxide nanoparticles synthesised using the leaf extract of Cynometra ramiflora. Journal of Molecular Structure, 2017, 1128, 572-578. | 1.8 | 161 |
| 35 | Phyto-synthesis of silver nanoparticles from Mussaenda erythrophylla leaf extract and their application in catalytic degradation of methyl orange dye. Journal of Molecular Liquids, 2016, 221, 1063-1070. | 2.3 | 120 |
| 36 | Antibacterial and anticoagulant activity of silver nanoparticles synthesised from a novel sourceâ€“pods of Peltophorum pterocarpum. Journal of Industrial and Engineering Chemistry, 2015, 29, 257-264. | 2.9 | 47 |

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|---|---|---|---|
| 37 | Partitioning of thermostable glucoamylase in polyethyleneglycol/salt aqueous two-phase system. Bioresources and Bioprocessing, 2015, 2, . | 2.0 | 11 |
| 38 | Prediction of Viscosities of Aqueous Two Phase Systems Containing Protein by Artificial Neural Network. Journal of Chemical Engineering & Process Technology, 2014, 05, . | 0.1 | 0 |
| 39 | Sequential Statistical Optimization of Media Components for the Production of Glucoamylase by Thermophilic Fungus Humicola grisea MTCC 352. Enzyme Research, 2014, 2014, 1-9. | 1.8 | 6 |
| 40 | Aqueous Two Phase Systems for the Recovery of Biomolecules â€“ A Review. Science and Technology, 2012, 1, 7-16. | 0.3 | 192 |