

Sureshababu Ram Kumar Pandian

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,857
citations

257450

24
h-index

289244

40
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43
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43
docs citations

43
times ranked

5899
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Biosynthesis of silver nanocrystals by <i>Bacillus licheniformis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 150-153. | 5.0 | 767 |
| 2 | Biosynthesis, purification and characterization of silver nanoparticles using <i>Escherichia coli</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 328-335. | 5.0 | 680 |
| 3 | Silver nanoparticles impede the biofilm formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus epidermidis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 340-344. | 5.0 | 555 |
| 4 | Biosynthesis of silver and gold nanoparticles using <i>Brevibacterium casei</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 257-262. | 5.0 | 469 |
| 5 | Extracellular biosynthesis of silver nanoparticles by the culture supernatant of <i>Bacillus licheniformis</i> . <i>Materials Letters</i> , 2008, 62, 4411-4413. | 2.6 | 377 |
| 6 | Anti-oxidant effect of gold nanoparticles restrains hyperglycemic conditions in diabetic mice. <i>Journal of Nanobiotechnology</i> , 2010, 8, 16. | 9.1 | 278 |
| 7 | Silver nanoparticles inhibit VEGF induced cell proliferation and migration in bovine retinal endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 51-57. | 5.0 | 217 |
| 8 | Optimization of media composition for Nattokinase production by <i>Bacillus subtilis</i> using response surface methodology. <i>Bioresource Technology</i> , 2008, 99, 8170-8174. | 9.6 | 169 |
| 9 | Optimization and fed-batch production of PHB utilizing dairy waste and sea water as nutrient sources by <i>Bacillus megaterium</i> SRKP-3. <i>Bioresource Technology</i> , 2010, 101, 705-711. | 9.6 | 155 |
| 10 | Enhanced silver nanoparticle synthesis by optimization of nitrate reductase activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 335-341. | 5.0 | 153 |
| 11 | Biological synthesis of gold nanocubes from <i>Bacillus licheniformis</i> . <i>Bioresource Technology</i> , 2009, 100, 5356-5358. | 9.6 | 131 |
| 12 | Silver nano "A" trove for retinal therapies. <i>Journal of Controlled Release</i> , 2010, 145, 76-90. | 9.9 | 98 |
| 13 | Mechanism of bactericidal activity of Silver Nitrate - a concentration dependent bi-functional molecule. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 805-809. | 2.0 | 79 |
| 14 | In vitro evaluation of anticancer properties of exopolysaccharides from <i>Lactobacillus acidophilus</i> in colon cancer cell lines. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 163-173. | 1.5 | 70 |
| 15 | Synthesis of PHB nanoparticles from optimized medium utilizing dairy industrial waste using <i>Brevibacterium casei</i> SRKP2: A green chemistry approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 266-273. | 5.0 | 61 |
| 16 | Biologically synthesized fluorescent CdS NPs encapsulated by PHB. <i>Enzyme and Microbial Technology</i> , 2011, 48, 319-325. | 3.2 | 60 |
| 17 | Purification, immobilization, and characterization of nattokinase on PHB nanoparticles. <i>Bioresource Technology</i> , 2009, 100, 6644-6646. | 9.6 | 56 |
| 18 | An Insight into the Bacterial Biogenesis of Silver Nanoparticles, Industrial Production and Scale-up. , 2011, , 17-35. | | 52 |

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|----|---|-----|-----------|
| 19 | Optimization of α -amylase production for the green synthesis of gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 174-180. | 5.0 | 47 |
| 20 | Surface receptor-mediated targeted drug delivery systems for enhanced cancer treatment: A state-of-the-art review. <i>Drug Development Research</i> , 2021, 82, 309-340. | 2.9 | 42 |
| 21 | Optimization of anticancer exopolysaccharide production from probiotic <i>Lactobacillus acidophilus</i> by response surface methodology. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 288-297. | 1.9 | 38 |
| 22 | Pharmacoinformatics-based investigation of bioactive compounds of Rasam (South Indian recipe) against human cancer. <i>Scientific Reports</i> , 2021, 11, 21488. | 3.3 | 38 |
| 23 | Capsaicin-loaded solid lipid nanoparticles: design, biodistribution, in silico modeling and in vitro cytotoxicity evaluation. <i>Nanotechnology</i> , 2021, 32, 095101. | 2.6 | 34 |
| 24 | Medium optimization and immobilization of purified fibrinolytic URAK from <i>Bacillus cereus</i> NK1 on PHB nanoparticles. <i>Enzyme and Microbial Technology</i> , 2010, 47, 297-304. | 3.2 | 33 |
| 25 | Optimization and purification of anticancer enzyme L-glutaminase from <i>Alcaligenes faecalis</i> KLU102. <i>Biologia (Poland)</i> , 2014, 69, 1644-1651. | 1.5 | 26 |
| 26 | Formulation and evaluation of rutin-loaded solid lipid nanoparticles for the treatment of brain tumor. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 735-749. | 3.0 | 25 |
| 27 | Formulation and characterization of folate receptor-targeted PEGylated liposome encapsulating bioactive compounds from <i>Kappaphycus alvarezii</i> for cancer therapy. <i>3 Biotech</i> , 2020, 10, 136. | 2.2 | 24 |
| 28 | In silico, in vitro screening of antioxidant and anticancer potentials of bioactive secondary metabolites from an endophytic fungus (<i>Curvularia</i> sp.) from <i>Phyllanthus niruri</i> L. <i>Environmental Science and Pollution Research</i> , 2022, 29, 48908-48925. | 5.3 | 18 |
| 29 | Targeting complement cascade: an alternative strategy for COVID-19. <i>3 Biotech</i> , 2020, 10, 479. | 2.2 | 15 |
| 30 | Nano Based Approach for the Treatment of Neglected Tropical Diseases. <i>Frontiers in Nanotechnology</i> , 2021, 3, . | 4.8 | 15 |
| 31 | Aphrodisiac Performance of Bioactive Compounds from <i>Mimosa pudica</i> Linn.: In Silico Molecular Docking and Dynamics Simulation Approach. <i>Molecules</i> , 2022, 27, 3799. | 3.8 | 15 |
| 32 | Exopolysaccharides from <i>Lactobacillus acidophilus</i> modulates the antioxidant status of 1,2-dimethylhydrazine-induced colon cancer rat model. <i>3 Biotech</i> , 2021, 11, 225. | 2.2 | 11 |
| 33 | PEG-PHB-glutaminase nanoparticle inhibits cancer cell proliferation in vitro through glutamine deprivation. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 372-380. | 1.5 | 10 |
| 34 | Design and in silico modeling of Indoloquinoline incorporated keratin nanoparticles for modulation of glucose metabolism in 3T3-L1 adipocytes. <i>Biotechnology Progress</i> , 2020, 36, e2904. | 2.6 | 10 |
| 35 | Liposomes: An emerging carrier for targeting Alzheimer's and Parkinson's diseases. <i>Heliyon</i> , 2022, 8, e09575. | 3.2 | 8 |
| 36 | PEGylated silver nanoparticles from <i>Sesbania aegyptiaca</i> exhibit immunomodulatory and anti-cancer activity. <i>Materials Research Express</i> , 2019, 6, 035402. | 1.6 | 5 |

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|----|--|-----|-----------|
| 37 | Synthesis of Polyelectrolyte Nanoparticles from Anticancer Exopolysaccharide Isolated from Probiotic <i>Lactobacillus acidophilus</i> . <i>Research Journal of Microbiology</i> , 2015, 10, 193-204. | 0.2 | 4 |
| 38 | Delivery of Ursolic Acid by Polyhydroxybutyrate Nanoparticles for Cancer Therapy: in silico and in vitro Studies. <i>Drug Research</i> , 2022, 72, 72-81. | 1.7 | 4 |
| 39 | DNA-based nanowires and nanodevices. <i>Advances in Physics: X</i> , 2017, 2, 22-34. | 4.1 | 3 |
| 40 | Emerging role of exosomes in hematological malignancies. <i>Clinical and Experimental Medicine</i> , 2023, 23, 1123-1136. | 3.6 | 3 |
| 41 | Removal of water and their soluble materials from fuels using <i>Moringa oleifera</i> loaded keratin-co-sodium acrylate hydrogel. <i>Journal of Porous Materials</i> , 2021, 28, 515-527. | 2.6 | 2 |