

Nitai Debnath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11728723/publications.pdf>

Version: 2024-02-01

25
papers

1,315
citations

394421

19
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1745
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Application of Core/Shell Nanoparticles in Smart Farming: A Paradigm Shift for Making the Agriculture Sector More Sustainable. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3267-3283. | 5.2 | 30 |
| 2 | Potential use of nanotechnology in sustainable and "smart" agriculture: advancements made in the last decade. <i>Plant Biotechnology Reports</i> , 2020, 14, 505-513. | 1.5 | 25 |
| 3 | Entomotoxic efficacy of aluminium oxide, titanium dioxide and zinc oxide nanoparticles against <i>Sitophilus oryzae</i> (L.): A comparative analysis. <i>Journal of Stored Products Research</i> , 2019, 83, 92-96. | 2.6 | 25 |
| 4 | Application of baculoviruses as biopesticides and the possibilities of nanoparticle mediated delivery. , 2019, , 261-280. | | 3 |
| 5 | Biomedical Nano Tools: A Potential New Paradigm for Immunoassays and Immune Detection. <i>Current Nanomedicine</i> , 2019, 9, 98-107. | 0.6 | 0 |
| 6 | Enhancement of photon absorption in the light-harvesting complex of isolated chloroplast in the presence of plasmonic gold nanosolâ€”a nanobionic approach towards photosynthesis and plant primary growth augmentation. <i>Gold Bulletin</i> , 2017, 50, 247-257. | 2.4 | 22 |
| 7 | Microwave synthesis of ZnO@mSiO ₂ for detailed antifungal mode of action study: Understanding the insights into oxidative stress. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 97-108. | 9.4 | 34 |
| 8 | Damage of lipopolysaccharides in outer cell membrane and production of ROS-mediated stress within bacteria makes nano zinc oxide a bactericidal agent. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 857-866. | 3.1 | 40 |
| 9 | Recent trends in nanomaterials applications in environmental monitoring and remediation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18333-18344. | 5.3 | 126 |
| 10 | Ciprofloxacin conjugated zinc oxide nanoparticle: A camouflage towards multidrug resistant bacteria. <i>Bulletin of Materials Science</i> , 2014, 37, 199-206. | 1.7 | 60 |
| 11 | Nanoparticle-induced morphological transition of <i>Bombyx mori</i> nucleopolyhedrovirus: a novel method to treat silkworm grasserie disease. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6019-6030. | 3.6 | 26 |
| 12 | Nanomaterials for biomedical applications. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2013, 7, 90-98. | 1.1 | 57 |
| 13 | Biochemical-, Biophysical-, and Microarray-Based Antifungal Evaluation of the Buffer-Mediated Synthesized Nano Zinc Oxide: An in Vivo and in Vitro Toxicity Study. <i>Langmuir</i> , 2012, 28, 16966-16978. | 3.5 | 97 |
| 14 | Nanoparticles influence on expression of cell cycle related genes in <i>Drosophila</i> : a microarray-based toxicogenomics study. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 952-957. | 1.2 | 11 |
| 15 | Porous ZnO nanorod for targeted delivery of doxorubicin: in vitro and in vivo response for therapeutic applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 24145. | 6.7 | 76 |
| 16 | Toxicological evaluation of entomotoxic silica nanoparticle. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 944-951. | 1.2 | 28 |
| 17 | Comparative analysis of stability and toxicity profile of three differently capped gold nanoparticles for biomedical usage. <i>BioMetals</i> , 2012, 25, 1009-1022. | 4.1 | 46 |
| 18 | Unique chemical grafting of carbon nanoparticle on fabricated ZnO nanorod: Antibacterial and bioimaging property. <i>Materials Research Bulletin</i> , 2012, 47, 586-594. | 5.2 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Synthesis of surface functionalized silica nanoparticles and their use as entomotoxic nanocides. Powder Technology, 2012, 221, 252-256. | 4.2 | 74 |
| 20 | Entomotoxic effect of silica nanoparticles against Sitophilus oryzae (L.). Journal of Pest Science, 2011, 84, 99-105. | 3.7 | 220 |
| 21 | Nature-inspired Novel Drug Design Paradigm Using Nanosilver: Efficacy on Multi-Drug-Resistant Clinical Isolates of Tuberculosis. Current Microbiology, 2011, 62, 715-726. | 2.2 | 52 |
| 22 | Novel entomotoxic nanocides for agro-chemical industry. , 2011, , . | | 2 |
| 23 | Novel applications of solid and liquid formulations of nanoparticles against insect pests and pathogens. Thin Solid Films, 2010, 519, 1252-1257. | 1.8 | 214 |
| 24 | Entomotoxicity Assay of Silica, Zinc Oxide, Titanium Dioxide, Aluminium Oxide Nanoparticles on Lipaphis pseudobrassicae. AIP Conference Proceedings, 2010, , . | 0.4 | 12 |
| 25 | Effect of synthetic route in particle size distribution of zinc oxide, silver and carbon nanoparticles and its role in controlling phytopathogenic fungus Alternaria solani. Archives of Phytopathology and Plant Protection, 0, , 1-14. | 1.3 | 2 |