# Satish Balasaheb Nimse

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4855027/publications.pdf

Version: 2024-02-01

| 66 | 2,781 | 516215 16 | 182168 51 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 70 | 70 | 70 | 4419 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Free radicals, natural antioxidants, and their reaction mechanisms. RSC Advances, 2015, 5, 27986-28006. | 1.7 | 1,313 |
| 2 | Biological applications of functionalized calixarenes. Chemical Society Reviews, 2013, 42, 366-386. | 18.7 | 346 |
| 3 | Biomarker detection technologies and future directions. Analyst, The, 2016, 141, 740-755. | 1.7 | 182 |
| 4 | Immobilization Techniques for Microarray: Challenges and Applications. Sensors, 2014, 14, 22208-22229. | 2.1 | 141 |
| 5 | Microbial melanin: Recent advances in biosynthesis, extraction, characterization, and applications. Biotechnology Advances, 2021, 53, 107773. | 6.0 | 92 |
| 6 | Development of a Lateral Flow Strip Membrane Assay for Rapid and Sensitive Detection of the SARS-CoV-2. Analytical Chemistry, 2020, 92, 14139-14144. | 3.2 | 74 |
| 7 | Surface Modification Chemistries of Materials Used in Diagnostic Platforms with Biomolecules. Journal of Chemistry, 2016, 2016, 1-19. | 0.9 | 51 |
| 8 | 9G DNAChip: microarray based on the multiple interactions of 9 consecutive guanines. Chemical Communications, 2011, 47, 7101. | 2.2 | 30 |
| 9 | A generalized probe selection method for DNA chips. Chemical Communications, 2011, 47, 12444. | 2.2 | 26 |
| 10 | HPV 9G DNA Chip: 100% Clinical Sensitivity and Specificity. Journal of Clinical Microbiology, 2012, 50, 562-568. | 1.8 | 25 |
| 11 | HCV Detection, Discrimination, and Genotyping Technologies. Sensors, 2018, 18, 3423. | 2.1 | 25 |
| 12 | The detection of Al<sup>3+</sup> and Cu<sup>2+</sup> ions using isonicotinohydrazide-based chemosensors and their application to live-cell imaging. Materials Advances, 2021, 2, 6306-6314. | 2.6 | 25 |
| 13 | Natural Melanin Produced by the Endophytic Bacillus subtilis 4NP-BL Associated with the Halophyte Salicornia brachiata. Journal of Agricultural and Food Chemistry, 2020, 68, 6854-6863. | 2.4 | 22 |
| 14 | Developments in the HCV Screening Technologies Based on the Detection of Antigens and Antibodies. Sensors, 2019, 19, 4257. | 2.1 | 20 |
| 15 | 9G DNAChip: a platform for the efficient detection of proteins. Chemical Communications, 2011, 47, 7716. | 2.2 | 18 |
| 16 | A new platform for a convenient genotyping system. Chemical Communications, 2013, 49, 2661. | 2.2 | 18 |
| 17 | New water-soluble iminecalix[4]arene with a deep hydrophobic cavity. Tetrahedron Letters, 2009, 50, 7346-7350. | 0.7 | 17 |
| 18 | Synthesis of Cinnamanilide Derivatives and Their Antioxidant and Antimicrobial Activity. Journal of Chemistry, 2015, 2015, 1-5. | 0.9 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Macrocycles and Supramolecules as Antioxidants: Excellent Scaffolds for Development of Potential Therapeutic Agents. Antioxidants, 2020, 9, 859. | 2.2 | 16 |
| 20 | Water-soluble aminocalix[4]arene receptors with hydrophobic and hydrophilic mouths. Tetrahedron Letters, 2010, 51, 2840-2845. | 0.7 | 15 |
| 21 | Aminocalix[4]arene: the effect of pH on the dynamics of gate and portals on the hydrophobic cavity. Tetrahedron Letters, 2010, 51, 6156-6160. | 0.7 | 15 |
| 22 | A highly selective fluorescent probe for nanomolar detection of ferric ions in the living cells and aqueous media. Arabian Journal of Chemistry, 2020, 13, 8697-8707. | 2.3 | 15 |
| 23 | HPAI 9G DNAChip: discrimination of highly pathogenic influenza virus genes. Chemical Communications, 2012, 48, 4582. | 2.2 | 14 |
| 24 | Ultra-Sensitive NT-proBNP Quantification for Early Detection of Risk Factors Leading to Heart Failure. Sensors, 2017, 17, 2116. | 2.1 | 14 |
| 25 | Indazole-based microtubule-targeting agents as potential candidates for anticancer drugs discovery. Bioorganic Chemistry, 2022, 122, 105735. | 2.0 | 14 |
| 26 | HPV 9G DNAChip: Based on the 9G DNAChip technology. Journal of Virological Methods, 2012, 183, 132-138. | 1.0 | 11 |
| 27 | Detection, quantification, and profiling of PSA: current microarray technologies and future directions. RSC Advances, 2016, 6, 7599-7609. | 1.7 | 11 |
| 28 | Multiplex detection of cardiac biomarkers. Analytical Methods, 2017, 9, 3773-3776. | 1.3 | 11 |
| 29 | A glass fibre membrane platform for ultra-sensitive detection of cardiac troponin T. Analyst, The, 2017, 142, 3816-3821. | 1.7 | 11 |
| 30 | C-Reactive protein: a major inflammatory biomarker. Analytical Methods, 2017, 9, 3400-3413. | 1.3 | 11 |
| 31 | 9G DNAChip Technology: Self-Assembled Monolayer (SAM) of ssDNA for Ultra-Sensitive Detection of Biomarkers. International Journal of Molecular Sciences, 2013, 14, 5723-5733. | 1.8 | 10 |
| 32 | Quantification of CYFRA 21-1 and a CYFRA 21-1â€“anti-CYFRA 21-1 autoantibody immune complex for detection of early stage lung cancer. Chemical Communications, 2019, 55, 10060-10063. | 2.2 | 10 |
| 33 | Recent Advances in the Discovery of GSK-3 Inhibitors from Synthetic Origin in the Treatment of Neurological Disorders. Current Drug Targets, 2021, 22, 1437-1462. | 1.0 | 10 |
| 34 | An abiotic fluorescent probe for the detection and quantification of carcinoembryonic antigen. Bioorganic Chemistry, 2022, 119, 105490. | 2.0 | 10 |
| 35 | Selective recognition of the ditopic trimethylammonium cations by water-soluble aminocalix[4]arene. Tetrahedron Letters, 2011, 52, 3751-3755. | 0.7 | 9 |
| 36 | Fluorescence â€˜turn-onâ€™ probe for nanomolar Zn(<scp>ii</scp>) detection in living cells and environmental samples. New Journal of Chemistry, 2022, 46, 13774-13782. | 1.4 | 9 |

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| 37 | 6 HCV genotyping 9G test and its comparison with VERSANT HCV genotype 2.0 assay (LiPA) for the hepatitis C virus genotyping. Journal of Virological Methods, 2017, 239, 1-8. | 1.0 | 8 |
| 38 | Development and application of a fluorescence turn-on probe for the nanomolar cysteine detection in serum and milk samples. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114074. | 2.0 | 8 |
| 39 | Characterization of the mixed self-assembled monolayer at the molecular scale. Chemical Communications, 2011, 47, 11261. | 2.2 | 7 |
| 40 | Synthesis, Characterization, and Crystal Structure of N-(3-nitrophenyl)cinnamamide. Crystals, 2019, 9, 599. | 1.0 | 7 |
| 41 | 9G TestTM Cancer/Lung: A Desirable Companion to LDCT for Lung Cancer Screening. Cancers, 2020, 12, 3192. | 1.7 | 7 |
| 42 | Molecular Recognition of Neutral Substrates by New Tetraaminocalix[4]arene Derivative. Bulletin of the Korean Chemical Society, 2009, 30, 1247-1251. | 1.0 | 7 |
| 43 | Multiplex SNP detection in multiple codons for accurate drug therapy. Chemical Communications, 2014, 50, 14585-14588. | 2.2 | 6 |
| 44 | Detection of multiple mutations in a single codon of genomic DNA. Chemical Communications, 2014, 50, 12344-12347. | 2.2 | 6 |
| 45 | Development of a Method for Screening and Genotyping of HCV 1a, 1b, 2, 3, 4, and 6 Genotypes. ACS Omega, 2020, 5, 10794-10799. | 1.6 | 6 |
| 46 | Synthesis and Modification of Novel Iminecalix[4]arene Derivatives. Bulletin of the Korean Chemical Society, 2011, 32, 1143-1145. | 1.0 | 6 |
| 47 | Development of a Novel Benzimidazole-Based Probe and Portable Fluorimeter for the Detection of Cysteine in Human Urine. Biosensors, 2021, 11, 420. | 2.3 | 6 |
| 48 | 6 HCV Genotyping 9G test for HCV 1a, 1b, 2, 3, 4 and 6 (6a, 6f, 6i and 6n) with high accuracy. Journal of Virological Methods, 2017, 246, 95-99. | 1.0 | 5 |
| 49 | GSK-3 Inhibitors: A New Class of Drugs for Alzheimerâ€™s Disease Treatment. Current Drug Targets, 2021, 22, 1725-1737. | 1.0 | 5 |
| 50 | HPV Genotyping 9G Membrane Test. Viruses, 2013, 5, 2840-2855. | 1.5 | 4 |
| 51 | HPV Genotyping 9G Membrane Test: A Point-of-Care Diagnostic Platform. Sensors, 2014, 14, 19162-19175. | 2.1 | 4 |
| 52 | Performance of 6 HCV genotyping 9G test for HCV genotyping in clinical samples. Virology Journal, 2018, 15, 107. | 1.4 | 4 |
| 53 | Synthesis and evaluation of <scp> 2â€arylâ€1 H </scp> â€benzo[d]imidazole derivatives as potential microtubule targeting agents. Drug Development Research, 2022, , . | 1.4 | 4 |
| 54 | MTB-DR-RIF 9G test: Detection and discrimination of tuberculosis andÂmulti-drug resistant tuberculosis strains. Tuberculosis, 2015, 95, 780-785. | 0.8 | 3 |

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|---|---|---|---|
| 55 | MTB-DR-RIF 9G membrane: a platform for multiplex SNP detection of multidrug-resistant TB. Analytical and Bioanalytical Chemistry, 2015, 407, 5739-5745. | 1.9 | 2 |
| 56 | Accurate Detection of Rifampicin-Resistant Mycobacterium Tuberculosis Strains. Sensors, 2016, 16, 376. | 2.1 | 2 |
| 57 | Detection and Quantification of Tp53 and p53-Anti-p53 Autoantibody Immune Complex: Promising Biomarkers in Early Stage Lung Cancer Diagnosis. Biosensors, 2022, 12, 127. | 2.3 | 2 |
| 58 | Elimination Reaction-Based Benzimidazole Probe for Cysteine Detection and Its Application in Serum Sample Analysis. Biosensors, 2022, 12, 224. | 2.3 | 2 |
| 59 | Indazole Derivatives Effective against Gastrointestinal Diseases. Current Topics in Medicinal Chemistry, 2022, 22, 1189-1214. | 1.0 | 2 |
| 60 | Combination Therapy of Ledipasvir and Itraconazole in the Treatment of COVID-19 Patients Coinfected with Black Fungus: An In Silico Statement. BioMed Research International, 2022, 2022, 1-10. | 0.9 | 2 |
| 61 | Water-Soluble Calix[4]arene Derivatives: Binding Stoichiometry and Spectroscopic Evaluation of the Host-Guest Recognition Mechanism. , 0, , . | | 1 |
| 62 | HBV/4DR 9G test and its comparison with INNO-LiPA HBV multi-DR test for the detection of drug-resistant Hepatitis B virus. Journal of Virological Methods, 2016, 237, 58-63. | 1.0 | 1 |
| 63 | A Novel Method That Allows SNP Discrimination with 160:1 Ratio for Biosensors Based on DNA-DNA Hybridization. Biosensors, 2021, 11, 265. | 2.3 | 1 |
| 64 | Fluorescent Beadâ€“<scp>DNA</scp> Conjugateâ€based Dual Signal Amplification Technology. Bulletin of the Korean Chemical Society, 2016, 37, 655-659. | 1.0 | 0 |
| 65 | 9G Cancer Screening Index: Stage 0 ~ IV Cancers Screening with High Sensitivity and Specificity. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 66 | Medicinal Attribution of Ginsenoside: A Huge Source of Plant Bioactive Compound. Advanced Structured Materials, 2021, , 845-862. | 0.3 | 0 |