

Satish Balasaheb Nimse

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,781
citations

516215

16
h-index

182168

51
g-index

70
all docs

70
docs citations

70
times ranked

4419
citing authors

#	ARTICLE	IF	CITATIONS
1	An abiotic fluorescent probe for the detection and quantification of carcinoembryonic antigen. <i>Bioorganic Chemistry</i> , 2022, 119, 105490.	2.0	10
2	Synthesis and evaluation of $2\text{-}(\text{Eryl})\text{-}1\text{-}H\text{-}benzo[d]imidazole$ derivatives as potential microtubule targeting agents. <i>Drug Development Research</i> , 2022, , .	1.4	4
3	Detection and Quantification of Tp53 and p53-Anti-p53 Autoantibody Immune Complex: Promising Biomarkers in Early Stage Lung Cancer Diagnosis. <i>Biosensors</i> , 2022, 12, 127.	2.3	2
4	Elimination Reaction-Based Benzimidazole Probe for Cysteine Detection and Its Application in Serum Sample Analysis. <i>Biosensors</i> , 2022, 12, 224.	2.3	2
5	Indazole-based microtubule-targeting agents as potential candidates for anticancer drugs discovery. <i>Bioorganic Chemistry</i> , 2022, 122, 105735.	2.0	14
6	Indazole Derivatives Effective against Gastrointestinal Diseases. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1189-1214.	1.0	2
7	Combination Therapy of Ledipasvir and Itraconazole in the Treatment of COVID-19 Patients Coinfected with Black Fungus: An In Silico Statement. <i>BioMed Research International</i> , 2022, 2022, 1-10.	0.9	2
8	Fluorescence "turn-on" probe for nanomolar Zn(II) detection in living cells and environmental samples. <i>New Journal of Chemistry</i> , 2022, 46, 13774-13782.	1.4	9
9	Development and application of a fluorescence turn-on probe for the nanomolar cysteine detection in serum and milk samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114074.	2.0	8
10	GSK-3 Inhibitors: A New Class of Drugs for Alzheimer's Disease Treatment. <i>Current Drug Targets</i> , 2021, 22, 1725-1737.	1.0	5
11	The detection of Al^{3+} and Cu^{2+} ions using isonicotinohydrazide-based chemosensors and their application to live-cell imaging. <i>Materials Advances</i> , 2021, 2, 6306-6314.	2.6	25
12	Microbial melanin: Recent advances in biosynthesis, extraction, characterization, and applications. <i>Biotechnology Advances</i> , 2021, 53, 107773.	6.0	92
13	Recent Advances in the Discovery of GSK-3 Inhibitors from Synthetic Origin in the Treatment of Neurological Disorders. <i>Current Drug Targets</i> , 2021, 22, 1437-1462.	1.0	10
14	A Novel Method That Allows SNP Discrimination with 160:1 Ratio for Biosensors Based on DNA-DNA Hybridization. <i>Biosensors</i> , 2021, 11, 265.	2.3	1
15	Development of a Novel Benzimidazole-Based Probe and Portable Fluorimeter for the Detection of Cysteine in Human Urine. <i>Biosensors</i> , 2021, 11, 420.	2.3	6
16	Medicinal Attribution of Ginsenoside: A Huge Source of Plant Bioactive Compound. <i>Advanced Structured Materials</i> , 2021, , 845-862.	0.3	0
17	A highly selective fluorescent probe for nanomolar detection of ferric ions in the living cells and aqueous media. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8697-8707.	2.3	15
18	Development of a Lateral Flow Strip Membrane Assay for Rapid and Sensitive Detection of the SARS-CoV-2. <i>Analytical Chemistry</i> , 2020, 92, 14139-14144.	3.2	74

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19	Macrocycles and Supramolecules as Antioxidants: Excellent Scaffolds for Development of Potential Therapeutic Agents. <i>Antioxidants</i> , 2020, 9, 859.	2.2	16
20	9G Test™ Cancer/Lung: A Desirable Companion to LDCT for Lung Cancer Screening. <i>Cancers</i> , 2020, 12, 3192.	1.7	7
21	Development of a Method for Screening and Genotyping of HCV 1a, 1b, 2, 3, 4, and 6 Genotypes. <i>ACS Omega</i> , 2020, 5, 10794-10799.	1.6	6
22	Natural Melanin Produced by the Endophytic <i>Bacillus subtilis</i> 4NP-BL Associated with the Halophyte <i>Salicornia brachiata</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6854-6863.	2.4	22
23	Quantification of CYFRA 21-1 and a CYFRA 21-1 anti-CYFRA 21-1 autoantibody immune complex for detection of early stage lung cancer. <i>Chemical Communications</i> , 2019, 55, 10060-10063.	2.2	10
24	Developments in the HCV Screening Technologies Based on the Detection of Antigens and Antibodies. <i>Sensors</i> , 2019, 19, 4257.	2.1	20
25	Synthesis, Characterization, and Crystal Structure of N-(3-nitrophenyl)cinnamamide. <i>Crystals</i> , 2019, 9, 599.	1.0	7
26	HCV Detection, Discrimination, and Genotyping Technologies. <i>Sensors</i> , 2018, 18, 3423.	2.1	25
27	Performance of 6 HCV genotyping 9G test for HCV genotyping in clinical samples. <i>Virology Journal</i> , 2018, 15, 107.	1.4	4
28	6 HCV Genotyping 9G test for HCV 1a, 1b, 2, 3, 4 and 6 (6a, 6f, 6i and 6n) with high accuracy. <i>Journal of Virological Methods</i> , 2017, 246, 95-99.	1.0	5
29	Multiplex detection of cardiac biomarkers. <i>Analytical Methods</i> , 2017, 9, 3773-3776.	1.3	11
30	A glass fibre membrane platform for ultra-sensitive detection of cardiac troponin T. <i>Analyst</i> , 2017, 142, 3816-3821.	1.7	11
31	C-Reactive protein: a major inflammatory biomarker. <i>Analytical Methods</i> , 2017, 9, 3400-3413.	1.3	11
32	6 HCV genotyping 9G test and its comparison with VERSANT HCV genotype 2.0 assay (LiPA) for the hepatitis C virus genotyping. <i>Journal of Virological Methods</i> , 2017, 239, 1-8.	1.0	8
33	Ultra-Sensitive NT-proBNP Quantification for Early Detection of Risk Factors Leading to Heart Failure. <i>Sensors</i> , 2017, 17, 2116.	2.1	14
34	Accurate Detection of Rifampicin-Resistant Mycobacterium Tuberculosis Strains. <i>Sensors</i> , 2016, 16, 376.	2.1	2
35	Surface Modification Chemistries of Materials Used in Diagnostic Platforms with Biomolecules. <i>Journal of Chemistry</i> , 2016, 2016, 1-19.	0.9	51
36	HBV/4DR 9G test and its comparison with INNO-LiPA HBV multi-DR test for the detection of drug-resistant Hepatitis B virus. <i>Journal of Virological Methods</i> , 2016, 237, 58-63.	1.0	1

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37	Fluorescent Bead-based DNA Conjugate-based Dual Signal Amplification Technology. Bulletin of the Korean Chemical Society, 2016, 37, 655-659.	1.0	0
38	Detection, quantification, and profiling of PSA: current microarray technologies and future directions. RSC Advances, 2016, 6, 7599-7609.	1.7	11
39	Biomarker detection technologies and future directions. Analyst, The, 2016, 141, 740-755.	1.7	182
40	Synthesis of Cinnamanilide Derivatives and Their Antioxidant and Antimicrobial Activity. Journal of Chemistry, 2015, 2015, 1-5.	0.9	17
41	Free radicals, natural antioxidants, and their reaction mechanisms. RSC Advances, 2015, 5, 27986-28006.	1.7	1,313
42	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
43	MTB-DR-RIF 9G test: Detection and discrimination of tuberculosis and multi-drug resistant tuberculosis strains. Tuberculosis, 2015, 95, 780-785.	0.8	3
44	Immobilization Techniques for Microarray: Challenges and Applications. Sensors, 2014, 14, 22208-22229.	2.1	141
45	HPV Genotyping 9G Membrane Test: A Point-of-Care Diagnostic Platform. Sensors, 2014, 14, 19162-19175.	2.1	4
46	Multiplex SNP detection in multiple codons for accurate drug therapy. Chemical Communications, 2014, 50, 14585-14588.	2.2	6
47	Detection of multiple mutations in a single codon of genomic DNA. Chemical Communications, 2014, 50, 12344-12347.	2.2	6
48	A new platform for a convenient genotyping system. Chemical Communications, 2013, 49, 2661.	2.2	18
49	Biological applications of functionalized calixarenes. Chemical Society Reviews, 2013, 42, 366-386.	18.7	346
50	HPV Genotyping 9G Membrane Test. Viruses, 2013, 5, 2840-2855.	1.5	4
51	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
52	HPV 9G DNA Chip: 100% Clinical Sensitivity and Specificity. Journal of Clinical Microbiology, 2012, 50, 562-568.	1.8	25
53	H5N1 9G DNAChip: discrimination of highly pathogenic influenza virus genes. Chemical Communications, 2012, 48, 4582.	2.2	14
54	HPV 9G DNAChip: Based on the 9G DNAChip technology. Journal of Virological Methods, 2012, 183, 132-138.	1.0	11

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55	Characterization of the mixed self-assembled monolayer at the molecular scale. Chemical Communications, 2011, 47, 11261.	2.2	7
56	9G DNAChip: a platform for the efficient detection of proteins. Chemical Communications, 2011, 47, 7716.	2.2	18
57	9G DNAChip: microarray based on the multiple interactions of 9 consecutive guanines. Chemical Communications, 2011, 47, 7101.	2.2	30
58	A generalized probe selection method for DNA chips. Chemical Communications, 2011, 47, 12444.	2.2	26
59	Selective recognition of the ditopic trimethylammonium cations by water-soluble aminocalix[4]arene. Tetrahedron Letters, 2011, 52, 3751-3755.	0.7	9
60	Synthesis and Modification of Novel Iminecalix[4]arene Derivatives. Bulletin of the Korean Chemical Society, 2011, 32, 1143-1145.	1.0	6
61	Water-soluble aminocalix[4]arene receptors with hydrophobic and hydrophilic mouths. Tetrahedron Letters, 2010, 51, 2840-2845.	0.7	15
62	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
63	New water-soluble iminecalix[4]arene with a deep hydrophobic cavity. Tetrahedron Letters, 2009, 50, 7346-7350.	0.7	17
64	Molecular Recognition of Neutral Substrates by New Tetraaminocalix[4]arene Derivative. Bulletin of the Korean Chemical Society, 2009, 30, 1247-1251.	1.0	7
65	Water-Soluble Calix[4]arene Derivatives: Binding Stoichiometry and Spectroscopic Evaluation of the Host-Guest Recognition Mechanism. , 0, , .		1
66	9G Cancer Screening Index: Stage 0 ~ IV Cancers Screening with High Sensitivity and Specificity. SSRN Electronic Journal, 0, , .	0.4	0