Narsingh R Nirala

List of Publications by Year
in descending order

26 papers	927 citations	471509 17 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	1534 citing authors

#	Article	IF	Citations
1	Colorimetric detection of cholesterol based on highly efficient peroxidase mimetic activity of graphene quantum dots. Sensors and Actuators B: Chemical, 2015, 218, 42-50.	7.8	159
2	Different shades of cholesterol: Gold nanoparticles supported on MoS2 nanoribbons for enhanced colorimetric sensing of free cholesterol. Biosensors and Bioelectronics, 2015, 74, 207-213.	10.1	103
3	One step synthesis of AuNPs@MoS2-QDs composite as a robust peroxidase-mimetic for instant unaided eye detection of glucose in serum, saliva and tear. Sensors and Actuators B: Chemical, 2018, 263, 109-119.	7.8	89
4	One step electro-oxidative preparation of graphene quantum dots from wood charcoal as a peroxidase mimetic. Talanta, 2017, 173, 36-43.	5.5	86
5	A chitosan-based polyaniline–Au nanocomposite biosensor for determination of cholesterol. Analytical Methods, 2014, 6, 817-824.	2.7	73
6	A comparative Study of Aptasensor Vs Immunosensor for Label-Free PSA Cancer Detection on GQDs-AuNRs Modified Screen-Printed Electrodes. Scientific Reports, 2018, 8, 1923.	3.3	72
7	Colorimetric detection of cholesterol based on enzyme modified gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 506-512.	3.9	49
8	Quick colorimetric determination of choline in milk and serum based on the use of MoS2 nanosheets as a highly active enzyme mimetic. Mikrochimica Acta, 2018, 185, 224.	5.0	40
9	Enhanced electrochemical biosensing efficiency of silica particles supported on partially reduced graphene oxide for sensitive detection of cholesterol. Journal of Electroanalytical Chemistry, 2015, 757, 65-72.	3.8	28
10	Homogenous Dispersion of MoS$_2$ Nanosheets in Polyindole Matrix at Air–Water Interface Assisted by Langmuir Technique. Langmuir, 2017, 33, 13572-13580.	3.5	24
11	Milk haptoglobin detection based on enhanced chemiluminescence of gold nanoparticles. Talanta, 2019, 197, 257-263.	5.5	24
12	Partially reduced graphene oxide–gold nanorods composite based bioelectrode of improved sensing performance. Talanta, 2015, 144, 745-754.	5.5	22
13	Ultrasensitive haptoglobin biomarker detection based on amplified chemiluminescence of magnetite nanoparticles. Journal of Nanobiotechnology, 2020, 18, 6.	9.1	21
14	Functional graphene–gold nanoparticle hybrid system for enhanced electrochemical biosensing of free cholesterol. Analytical Methods, 2015, 7, 3993-4002.	2.7	19
15	A nanoporous palladium(II) bridged coordination polymer acting as a peroxidase mimic in a method for visual detection of glucose in tear and saliva. Mikrochimica Acta, 2018, 185, 245.	5.0	19
16	Determination of the Anti–HIV Drug Nevirapine Using Electroactive 2D Material Pd@rGO Decorated with MoS$_2$ Quantum Dots. ChemistrySelect, 2018, 3, 5341-5347.	1.5	19
17	A composite prepared from MoS2 quantum dots and silver nanoparticles and stimulated by mercury(II) is a robust oxidase mimetic for use in visual determination of cysteine. Mikrochimica Acta, 2020, 187, 74.	5.0	17
18	Urease Immobilized Fluorescent Gold Nanoparticles for Urea Sensing. Applied Biochemistry and Biotechnology, 2015, 176, 480-492.	2.9	14

#	Article	IF	Citations
19	Gold Nanoparticle Size-Dependent Enhanced Chemiluminescence for Ultra-Sensitive Haptoglobin Biomarker Detection. Biomolecules, 2019, 9, 372.	4.0	14
20	Amplified Fluorescence by ZnO Nanoparticles vs. Quantum Dots for Bovine Mastitis Acute Phase Response Evaluation in Milk. Nanomaterials, 2020, 10, 549.	4.1	10
21	N-acetyl-β-d-glucosaminidase activity assay for monitoring insulin-dependent diabetes using Ag-porous Si SERS platform. Talanta, 2022, 239, 123087.	5.5	7
22	Enhanced Fluorescence of N-Acetyl-β-D-Glucosaminidase Activity by ZnO Quantum Dots for Early Stage Mastitis Evaluation. Frontiers in Chemistry, 2019, 7, 754.	3.6	6
23	Facile and selective colorimetric assay of choline based on AuNPs-WS2QDs as a peroxidase mimic. Microchemical Journal, 2021, 167, 106312.	4.5	5
24	N-acetyl-β-D-glucosaminidase biomarker quantification in milk using Ag-porous Si SERS platform for mastitis severity evaluation. Applied Surface Science, 2021, 566, 150700.	6.1	5
25	Bovine mastitis inflammatory assessment using silica coated ZnO-NPs induced fluorescence of NAGase biomarker assay. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 257, 119769.	3.9	1
26	Catalytically Active Enzyme Mimetic Nanomaterials and Their Role in Biosensing. , 2018, , 285-300.		0