Mehdi Dadmehr

List of Publications by Year
in descending order

28 papers	1,135 citations	471509 17 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1353 citing authors

#	Article	IF	Citations
1	FRET-based aptamer biosensor for selective and sensitive detection of aflatoxin B1 in peanut and rice. Food Chemistry, 2017, 220, 527-532.	8.2	195
2	Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization. Analytica Chimica Acta, 2016, 904, 92-97.	5.4	152
3	Paper based colorimetric detection of miRNA-21 using Ag/Pt nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117529.	3.9	91
4	Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis. Biosensors and Bioelectronics, 2015, 73, 108-113.	10.1	84
5	DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis. Biosensors and Bioelectronics, 2014, 60, 35-44.	10.1	72
6	Aptamer-based Colorimetric and Chemiluminescence Detection of Aflatoxin B1 in Foods Samples. Acta Chimica Slovenica, 2015, 62, 721-728.	0.6	61
7	Facile fabrication of ternary MWCNTs/ZnO/Chitosan nanocomposite for enhanced photocatalytic degradation of methylene blue and antibacterial activity. Scientific Reports, 2022, 12, 5927.	3.3	54
8	Rapid restriction enzyme free detection of DNA methyltransferase activity based on DNA-templated silver nanoclusters. Analytical and Bioanalytical Chemistry, 2016, 408, 4311-4318.	3.7	51
9	DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy. Sensors and Actuators B: Chemical, 2017, 241, 217-223.	7.8	50
10	A Novel Label-Free microRNA-155 Detection on the Basis of Fluorescent Silver Nanoclusters. Journal of Fluorescence, 2015, 25, 925-929.	2.5	38
11	Selective recognition histidine and tryptophan by enhanced chemiluminescence ZnSe quantum dots. Sensors and Actuators B: Chemical, 2015, 210, 349-354.	7.8	37
12	A colorimetric assay of DNA methyltransferase activity based on peroxidase mimicking of DNA template Ag/Pt bimetallic nanoclusters. Analytical and Bioanalytical Chemistry, 2018, 410, 4943-4952.	3.7	36
13	A fluorometric study on the effect of DNA methylation on DNA interaction with graphene quantum dots. Methods and Applications in Fluorescence, 2019, 7, 025001.	2.3	29
14	Selective recognition of Glutamate based on fluorescence enhancement of graphene quantum dot. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1962-1966.	3.9	26
15	Sensitive detection of methylated DNA and methyltransferase activity based on the lighting up of FAM-labeled DNA quenched fluorescence by gold nanoparticles. RSC Advances, 2019, 9, 12063-12069.	3.6	25
16	One-pot biosynthesis of CdS quantum dots through in vitro regeneration of hairy roots of Rhaphanus sativus L. And their apoptosis effect on MCF-7 and AGS cancerous human cell lines. Materials Research Express, 2020, 7, 015056.	1.6	25
17	A signal-on fluorescence based biosensing platform for highly sensitive detection of DNA methyltransferase enzyme activity and inhibition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117731.	3.9	21
18	Colorimetric and label free detection of gelatinase positive bacteria and gelatinase activity based on aggregation and dissolution of gold nanoparticles. Journal of Microbiological Methods, 2021, 191, 106349.	1.6	19

#	Article	IF	Citations
19	A novel colorimetric biosensor for sensitive detection of aflatoxin mediated by bacterial enzymatic reaction in saffron samples. Nanotechnology, 2021, 32, 505503.	2.6	17
20	Photocatalytic activity of green synthesized cadmium sulfide quantum dots on the removal of RhB dye and its cytotoxicity and antibacterial studies. Nanotechnology, 2022, 33, 395101.	2.6	12
21	Spectroscopic Study of CpG Alternating DNA-Methylene Blue Interaction for Methylation Detection. Journal of Fluorescence, 2016, 26, 1123-1129.	2.5	9
22	Study on the Interaction of the CpG Alternating DNA with CdTe Quantum Dots. Journal of Fluorescence, 2017, 27, 2059-2068.	2.5	6
23	DNA-Templated Silver Nanoclusters for DNA Methylation Detection. Methods in Molecular Biology, 2018, 1811, 173-182.	0.9	6
24	Fluorimetric detection of methylated DNA of Sept9 promoter by silver nanoclusters at intrastrand 6C-loop. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119081.	3.9	5
25	Density Functional Theory Study of Antioxidant Adsorption onto Single- Wall Boron Nitride Nanotubes: Design of New Antioxidant Delivery Systems. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 470-482.	1.1	5
26	Fluorometric detection of phytase enzyme activity and phosphate ion based on gelatin supported silver nanoclusters. Food Chemistry, 2022, 396, 133711.	8.2	5
27	Determination of chromosomes that control physiological traits associated with salt tolerance in barley at the seedling stage. African Journal of Biotechnology, 2011, 10, 8794-8799.	0.6	3
28	Early detection of lung cancer biomarkers through biosensor. , 2022, , 85-96.		1