

Mahdi Rahaie

List of Publications by Year in descending order

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35
papers

1,101
citations

471061

17
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

1810
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical nanobiosensor for plasma miRNA-155, based on graphene oxide and gold nanorod, for early detection of breast cancer. <i>Biosensors and Bioelectronics</i> , 2016, 77, 99-106.	5.3	290
2	A MYB gene from wheat (<i>Triticum aestivum</i> L.) is up-regulated during salt and drought stresses and differentially regulated between salt-tolerant and sensitive genotypes. <i>Plant Cell Reports</i> , 2010, 29, 835-844.	2.8	86
3	Early detection of Alzheimer's disease using a biosensor based on electrochemically-reduced graphene oxide and gold nanowires for the quantification of serum microRNA-137. <i>RSC Advances</i> , 2017, 7, 55709-55719.	1.7	86
4	In Vitro Influences of TiO ₂ Nanoparticles on Barley (<i>Hordeum vulgare</i> L.) Tissue Culture. <i>Biological Trace Element Research</i> , 2012, 150, 376-380.	1.9	64
5	Stability and loading properties of curcumin encapsulated in <i>Chlorella vulgaris</i> . <i>Food Chemistry</i> , 2016, 211, 700-706.	4.2	63
6	Effects of <i>Lactobacillus acidophilus</i> and <i>Bifidobacterium bifidum</i> Probiotics on the Expression of MicroRNAs 135b, 26b, 18a and 155, and Their Involving Genes in Mice Colon Cancer. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1155-1162.	1.9	46
7	Design, fabrication, and optimization of a dual function three-layer scaffold for controlled release of metformin hydrochloride to alleviate fibrosis and accelerate wound healing. <i>Acta Biomaterialia</i> , 2020, 113, 144-163.	4.1	43
8	Thymoquinone-loaded ethosome with breast cancer potential: optimization, in vitro and biological assessment. <i>Journal of Nanostructure in Chemistry</i> , 2020, 10, 19-31.	5.3	42
9	A signal-on nanobiosensor for VEGF165 detection based on supraparticle copper nanoclusters formed on bivalent aptamer. <i>Biosensors and Bioelectronics</i> , 2019, 132, 186-195.	5.3	37
10	A Nanobiosensor Based on Fluorescent DNA-Hosted Silver Nanocluster and HCR Amplification for Detection of MicroRNA Involved in Progression of Multiple Sclerosis. <i>Journal of Fluorescence</i> , 2017, 27, 1679-1685.	1.3	31
11	Application of Oracet Blue in a novel and sensitive electrochemical biosensor for the detection of microRNA. <i>Analytical Methods</i> , 2015, 7, 9495-9503.	1.3	29
12	Growth and physiological responses of <i>Quercus brantii</i> seedlings inoculated with <i>Biscogniauxia mediterranea</i> and <i>Obolarina persica</i> under drought stress. <i>Forest Pathology</i> , 2017, 47, e12353.	0.5	29
13	Design and Fabrication a Gold Nanoparticle-DNA Based Nanobiosensor for Detection of microRNA Involved in Alzheimer's Disease. <i>Journal of Fluorescence</i> , 2017, 27, 603-610.	1.3	27
14	The Role of Transcription Factors in Wheat Under Different Abiotic Stresses. , 2013, , .		24
15	Application of nanoparticles for pesticides, herbicides, fertilisers and animals feed management. <i>International Journal of Nanoparticles</i> , 2015, 8, 1.	0.1	22
16	Circulating miR-126 and miR-499 Reflect Progression of Cardiovascular Disease; Correlations with Uric Acid and Ejection Fraction. <i>Heart International</i> , 2016, 11, heartint.500022.	0.4	22
17	Effect of nanoparticle treatment on expression of a key gene involved in thymoquinone biosynthetic pathway in <i>Nigella sativa</i> L.. <i>Natural Product Research</i> , 2018, 32, 1858-1862.	1.0	21
18	Different anti-inflammatory effects of <i>Lactobacillus acidophilus</i> and <i>Bifidobacterium bifidum</i> in hepatocellular carcinoma cancer mouse through impact on microRNAs and their target genes. <i>Journal of Nutrition & Intermediary Metabolism</i> , 2019, 16, 100096.	1.7	20

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19	Rapid pre-symptomatic recognition of tristetza viral RNA by a novel fluorescent self-dimerized DNA-silver nanocluster probe. RSC Advances, 2016, 6, 99437-99443.	1.7	17
20	A nanobiosensor based on graphene oxide and DNA binding dye for multi-microRNAs detection. Bioscience Reports, 2019, 39, .	1.1	16
21	Expression of the circulating and the tissue microRNAs after surgery, chemotherapy, and radiotherapy in mice mammary tumor. Tumor Biology, 2016, 37, 14225-14234.	0.8	14
22	Use of sulfur-oxidizing bacteria as recognition elements in hydrogen sulfide biosensing system. Biotechnology and Applied Biochemistry, 2015, 62, 349-356.	1.4	11
23	Synthesis and Assessment of DNA/Silver Nanoclusters Probes for Optimal and Selective Detection of Tristeza Virus Mild Strains. Journal of Fluorescence, 2016, 26, 1795-1803.	1.3	11
24	Comparison of miRNA signature versus conventional biomarkers before and after off-pump coronary artery bypass graft. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 11-17.	1.4	9
25	A novel DNA tweezers-based nanobiosensor for multiple detections of circulating exosomal microRNAs in breast cancer. Analytical Biochemistry, 2022, 651, 114697.	1.1	8
26	A visible and colorimetric nanobiosensor based on DNA-CuO nanoparticle for detection of single nucleotide polymorphism involved in sickle cell anemia disease. Materials Today Communications, 2021, 27, 102423.	0.9	5
27	Synthesis and Characterization of DNA-Based Micro- and Nanodumbbell Structures. Journal of Bionanoscience, 2009, 3, 73-79.	0.4	4
28	A novel DNA-based nanostructure for single molecule detection purposes. International Journal of Nanotechnology, 2011, 8, 458.	0.1	4
29	Elevated levels of miR-499 protect ischemic myocardium against uric acid in patients undergoing off-pump CABG. Cor Et Vasa, 2016, 58, e600-e608.	0.1	3
30	A Novel Fluorescence Nanobiosensor based on Modified Graphene Quantum dots-HTAB for Early Detection of Fetal Sexuality with Cell Free Fetal DNA. Journal of Fluorescence, 2021, 31, 1843-1853.	1.3	3
31	The effects of several abiotic elicitors on the expression of genes of key enzymes involved in the parthenolide biosynthetic pathway and its content in feverfew plant (<i>Tanacetum parthenium</i> L.). Natural Product Research, 2022, 36, 6132-6136.	1.0	3
32	A conductive cell-imprinted substrate based on CNT-PDMS composite. Biotechnology and Applied Biochemistry, 2019, 66, 445-453.	1.4	2
33	Phenotypic and genotypic screening of common bean (<i>Phaseolus vulgaris</i> L.) landraces for resistance to collar rot fungus (<i>Sclerotium rolfsii</i> Sacc.) in North of Iran. Journal of Plant Pathology, 2020, 102, 67-78.	0.6	2
34	Four Matrix Metalloproteinase genes involved in murine breast cancer affected by ginger extract. Gene Reports, 2021, 25, 101332.	0.4	1
35	Nanostructures in non-invasive prenatal genetic screening. Biomedical Engineering Letters, 2022, 12, 3-18.	2.1	0