

# Hadi Ravan

## List of Publications by Citations

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35  
papers

619  
citations

16  
h-index

24  
g-index

36  
ext. papers

714  
ext. citations

6  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
35	Strategies for optimizing DNA hybridization on surfaces. <i>Analytical Biochemistry</i> , <b>2014</b> , 444, 41-6	3.1	61
34	Interaction of diazinon with DNA and the protective role of selenium in DNA damage. <i>DNA and Cell Biology</i> , <b>2008</b> , 27, 325-32	3.6	55
33	Development and evaluation of a loop-mediated isothermal amplification method in conjunction with an enzyme-linked immunosorbent assay for specific detection of Salmonella serogroup D. <i>Analytica Chimica Acta</i> , <b>2012</b> , 733, 64-70	6.6	43
32	DNA hydrogel-empowered biosensing. <i>Advances in Colloid and Interface Science</i> , <b>2020</b> , 275, 102060	14.3	33
31	Aptamer-integrated DNA nanoassembly: A simple and sensitive DNA framework to detect cancer cells. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1017, 26-33	6.6	31
30	Isothermal RNA detection through the formation of DNA concatemers containing HRP-mimicking DNazymes on the surface of gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 67-73	11.8	29
29	A highly specific and sensitive loop-mediated isothermal amplification method for the detection of Escherichia coli O157:H7. <i>Microbial Pathogenesis</i> , <b>2016</b> , 91, 161-5	3.8	27
28	Identification of Bacillus thuringiensis bacterial strain isolated from the mine soil as a robust agent in the biosynthesis of silver nanoparticles with strong antibacterial and anti-biofilm activities. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2019</b> , 18, 101047	4.2	27
27	DNA Domino-Based Nanoscale Logic Circuit: A Versatile Strategy for Ultrasensitive Multiplexed Analysis of Nucleic Acids. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6021-6028	7.8	26
26	Loop region-specific oligonucleotide probes for loop-mediated isothermal amplification-enzyme-linked immunosorbent assay truly minimize the instrument needed for detection process. <i>Analytical Biochemistry</i> , <b>2013</b> , 439, 102-8	3.1	23
25	Protective Effect of Neuropeptide Apelin-13 on 6-Hydroxydopamine-Induced Neurotoxicity in SH-SY5Y Dopaminergic Cells: Involvement of Its Antioxidant and Antiapoptotic Properties. <i>Rejuvenation Research</i> , <b>2018</b> , 21, 162-167	2.6	23
24	Implementing a two-layer feed-forward catalytic DNA circuit for enzyme-free and colorimetric detection of nucleic acids. <i>Analytica Chimica Acta</i> , <b>2016</b> , 910, 68-74	6.6	22
23	Development of a new loop-mediated isothermal amplification assay for prt (rfbS) gene to improve the identification of Salmonella serogroup D. <i>World Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 28, 2101-6	4.4	21
22	Target-triggered three-way junction in conjugation with catalytic concatemers-functionalized nanocomposites provides a highly sensitive colorimetric method for miR-21 detection. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 567-574	11.8	21
21	Signal Amplification Technologies for the Detection of Nucleic Acids: from Cell-Free Analysis to Live-Cell Imaging. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 183, 1224-1253	3.2	20
20	Translating nucleic-acid hybridization into universal DNA-reporter sequences. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 65, 97-106	14.6	18
19	Analysis of yeh Fimbrial Gene Cluster in Escherichia coli O157:H7 in Order to Find a Genetic Marker for this Serotype. <i>Current Microbiology</i> , <b>2015</b> , 71, 274-82	2.4	16

18	Colorimetric detection of miRNA-21 by DNAzyme-coupled branched DNA constructs. <i>Talanta</i> , <b>2020</b> , 216, 120913	6.2	15
17	DNA nanotechnology and bioassay development. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 114, 126-142.	4.6	14
16	Purification and characterization of a thermo- and organic solvent-tolerant alkaline protease from <i>Bacillus</i> sp. JER02. <i>Preparative Biochemistry and Biotechnology</i> , <b>2015</b> , 45, 128-43	2.4	14
15	Prophylactic Effect of BIO-1211 Small-Molecule Antagonist of VLA-4 in the EAE Mouse Model of Multiple Sclerosis. <i>Immunological Investigations</i> , <b>2015</b> , 44, 694-712	2.9	12
14	Relationship between metalloproteinase 2 and 9 concentrations and soluble CD154 expression in Iranian patients with multiple sclerosis. <i>Kaohsiung Journal of Medical Sciences</i> , <b>2014</b> , 30, 235-42	2.4	12
13	Multiplex monitoring of Alzheimer associated miRNAs based on the modular logic circuit operation and doping of catalytic hairpin assembly. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 170, 112710	11.8	11
12	Developing a colorimetric nucleic acid-responsive DNA hydrogel using DNA proximity circuit and catalytic hairpin assembly. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1137, 1-10	6.6	9
11	Colorimetric nanoplatform for visual determination of cancer cells via target-catalyzed hairpin assembly actuated aggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 392	5.8	7
10	DNAzyme-embedded hyperbranched DNA dendrimers as signal amplifiers for colorimetric determination of nucleic acids. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 443	5.8	7
9	Study the Microbial Communities Changes in Desert and Farmland Soil After Crude Oil Pollution. <i>International Journal of Environmental Research</i> , <b>2018</b> , 12, 391-398	2.9	5
8	Dual catalytic DNA circuit-induced gold nanoparticle aggregation: An enzyme-free and colorimetric strategy for amplified detection of nucleic acids. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 896-903	7.9	4
7	Structural and functional study of rabbit polyclonal antibody for immunoassay purposes. <i>Hybridoma</i> , <b>2008</b> , 27, 48-53		4
6	Effect of osmolytes on the conformational stability of mouse monoclonal antidigoxin antibody in long-term storage. <i>Hybridoma</i> , <b>2008</b> , 27, 99-106		4
5	Methicillin-resistance <i>Staphylococcus aureus</i> in Southeast Iran: Herbal Control and Detection Methods Comparison. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , <b>2014</b> , 14, 123-129	0.5	3
4	Binary detection of protein and nucleic acid enabled cancer diagnosis through branched hybridization chain reaction.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1205, 339755	6.6	1
3	Borderline Boolean states improve the biosensing applications of DNA circuits.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> ,	7.9	1
2	CRISPR/Cas9-Mediated Disruption of ZNF543 Gene: An Approach Toward Discovering Its Relation to TRIM28 Gene in Parkinson's Disease.. <i>Molecular Biotechnology</i> , <b>2022</b> , 1	3	0
1	Structural and functional study of mouse antidigoxin monoclonal antibody against thermal variation. <i>Hybridoma</i> , <b>2008</b> , 27, 123-30		

