

# Hadi Ravan

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

835  
citations

430442

18  
h-index

500791

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for optimizing DNA hybridization on surfaces. <i>Analytical Biochemistry</i> , 2014, 444, 41-46.	1.1	73
2	DNA hydrogel-empowered biosensing. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102060.	7.0	71
3	Interaction of Diazinon with DNA and the Protective Role of Selenium in DNA Damage. <i>DNA and Cell Biology</i> , 2008, 27, 325-332.	0.9	60
4	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> , 2012, 733, 64-70.	2.6	50
5	A highly specific and sensitive loop-mediated isothermal amplification method for the detection of Escherichia coli O157:H7. <i>Microbial Pathogenesis</i> , 2016, 91, 161-165.	1.3	38
6	Aptamer-integrated DNA nanoassembly: A simple and sensitive DNA framework to detect cancer cells. <i>Analytica Chimica Acta</i> , 2018, 1017, 26-33.	2.6	36
7	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> , 2019, 18, 101047.	1.5	35
8	Isothermal RNA detection through the formation of DNA concatemers containing HRP-mimicking DNAzymes on the surface of gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 80, 67-73.	5.3	34
9	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> , 2018, 117, 567-574.	5.3	34
10	Colorimetric detection of miRNA-21 by DNAzyme-coupled branched DNA constructs. <i>Talanta</i> , 2020, 216, 120913.	2.9	31
11	DNA Domino-Based Nanoscale Logic Circuit: A Versatile Strategy for Ultrasensitive Multiplexed Analysis of Nucleic Acids. <i>Analytical Chemistry</i> , 2017, 89, 6021-6028.	3.2	29
12	Signal Amplification Technologies for the Detection of Nucleic Acids: from Cell-Free Analysis to Live-Cell Imaging. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 1224-1253.	1.4	29
13	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> , 2018, 21, 162-167.	0.9	29
14	Multiplex monitoring of Alzheimer associated miRNAs based on the modular logic circuit operation and doping of catalytic hairpin assembly. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112710.	5.3	27
15	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> , 2013, 439, 102-108.	1.1	24
16	Implementing a two-layer feed-forward catalytic DNA circuit for enzyme-free and colorimetric detection of nucleic acids. <i>Analytica Chimica Acta</i> , 2016, 910, 68-74.	2.6	24
17	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> , 2012, 28, 2101-2106.	1.7	23
18	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> , 2015, 71, 274-282.	1.0	21

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19	Translating nucleic-acid hybridization into universal DNA-reporter sequences. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 97-106.	5.8	19
20	DNA nanotechnology and bioassay development. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 126-142.	5.8	19
21	Prophylactic Effect of BIO-1211 Small-Molecule Antagonist of VLA-4 in the EAE Mouse Model of Multiple Sclerosis. <i>Immunological Investigations</i> , 2015, 44, 694-712.	1.0	18
22	Developing a colorimetric nucleic acid-responsive DNA hydrogel using DNA proximity circuit and catalytic hairpin assembly. <i>Analytica Chimica Acta</i> , 2020, 1137, 1-10.	2.6	15
23	Relationship between metalloproteinase 2 and 9 concentrations and soluble CD154 expression in Iranian patients with multiple sclerosis. <i>Kaohsiung Journal of Medical Sciences</i> , 2014, 30, 235-242.	0.8	14
24	Purification and Characterization of a Thermo- and Organic Solvent-Tolerant Alkaline Protease from <i>Bacillus</i> sp. JER02. <i>Preparative Biochemistry and Biotechnology</i> , 2015, 45, 128-143.	1.0	14
25	Colorimetric nanoplatform for visual determination of cancer cells via target-catalyzed hairpin assembly actuated aggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 392.	2.5	14
26	Study the Microbial Communitiesâ€™ Changes in Desert and Farmland Soil After Crude Oil Pollution. <i>International Journal of Environmental Research</i> , 2018, 12, 391-398.	1.1	12
27	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> , 2020, 154, 896-903.	3.6	11
28	Binary detection of protein and nucleic acid enabled cancer diagnosis through branched hybridization chain reaction. <i>Analytica Chimica Acta</i> , 2022, 1205, 339755.	2.6	8
29	DNAzyme-embedded hyperbranched DNA dendrimers as signal amplifiers for colorimetric determination of nucleic acids. <i>Mikrochimica Acta</i> , 2018, 185, 443.	2.5	7
30	Structural and Functional Study of Rabbit Polyclonal Antibody for Immunoassay Purposes. <i>Hybridoma</i> , 2008, 27, 48-53.	0.5	4
31	Effect of Osmolytes on the Conformational Stability of Mouse Monoclonal Antidigoxin Antibody in Long-Term Storage. <i>Hybridoma</i> , 2008, 27, 99-106.	0.5	4
32	Methicillin-resistance <i>Staphylococcus aureus</i> in Southeast Iran: Herbal Control and Detection Methods Comparison. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2014, 14, 123-129.	0.0	4
33	Borderline Boolean states improve the biosensing applications of DNA circuits. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 1005-1010.	3.6	3
34	CRISPR/Cas9-Mediated Disruption of ZNF543 Gene: An Approach Toward Discovering Its Relation to TRIM28 Gene in Parkinsonâ€™s Disease. <i>Molecular Biotechnology</i> , 2023, 65, 243-251.	1.3	1
35	Antidote property of polyclonal antibody against Digoxin toxicity. <i>Toxicology Letters</i> , 2007, 172, S147.	0.4	0
36	Structural and Functional Study of Mouse Antidigoxin Monoclonal Antibody Against Thermal Variation. <i>Hybridoma</i> , 2008, 27, 123-130.	0.5	0