

# Reza Heidari

## List of Publications by Year in descending order

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113  
papers

3,231  
citations

94433

37  
h-index

189892

50  
g-index

113  
all docs

113  
docs citations

113  
times ranked

3099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosome loaded alginate hydrogel promotes tissue regeneration in full-thickness skin wounds: An in vivo study. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 545-556.	4.0	171
2	Taurine treatment preserves brain and liver mitochondrial function in a rat model of fulminant hepatic failure and hyperammonemia. <i>Biomedicine and Pharmacotherapy</i> , 2017, 86, 514-520.	5.6	101
3	Effect of taurine on chronic and acute liver injury: Focus on blood and brain ammonia. <i>Toxicology Reports</i> , 2016, 3, 870-879.	3.3	88
4	The nephroprotective properties of taurine in colistin-treated mice is mediated through the regulation of mitochondrial function and mitigation of oxidative stress. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 103-111.	5.6	84
5	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3524-3535.	3.5	84
6	Ammonia-induced mitochondrial dysfunction and energy metabolism disturbances in isolated brain and liver mitochondria, and the effect of taurine administration: relevance to hepatic encephalopathy treatment. <i>Clinical and Experimental Hepatology</i> , 2017, 3, 141-151.	1.3	76
7	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of methotrexate-induced renal injury and electrolytes imbalance. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 834-840.	5.6	75
8	Carnosine and Histidine Supplementation Blunt Lead-Induced Reproductive Toxicity through Antioxidative and Mitochondria-Dependent Mechanisms. <i>Biological Trace Element Research</i> , 2019, 187, 151-162.	3.5	72
9	Mechanism of valproic acid-induced Fanconi syndrome involves mitochondrial dysfunction and oxidative stress in rat kidney. <i>Nephrology</i> , 2018, 23, 351-361.	1.6	66
10	Mitochondria protection as a mechanism underlying the hepatoprotective effects of glycine in cholestatic mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 1086-1095.	5.6	63
11	Sulfasalazine induces mitochondrial dysfunction and renal injury. <i>Renal Failure</i> , 2017, 39, 745-753.	2.1	62
12	Dual effects of sulfasalazine on rat sperm characteristics, spermatogenesis, and steroidogenesis in two experimental models. <i>Toxicology Letters</i> , 2018, 284, 46-55.	0.8	61
13	Mechanisms of the Statins Cytotoxicity in Freshly Isolated Rat Hepatocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 287-294.	3.0	60
14	CdS nanocrystals/graphene oxide-AuNPs based electrochemiluminescence immunosensor in sensitive quantification of a cancer biomarker: p53. <i>Biosensors and Bioelectronics</i> , 2019, 126, 7-14.	10.1	59
15	Effects of Enzyme Induction and/or Glutathione Depletion on Methimazole-Induced Hepatotoxicity in Mice and the Protective Role of N-Acetylcysteine. <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, 21-8.	1.4	55
16	Taurine Treatment Provides Neuroprotection in a Mouse Model of Manganism. <i>Biological Trace Element Research</i> , 2019, 190, 384-395.	3.5	54
17	Role of renin-angiotensin system in liver diseases: an outline on the potential therapeutic points of intervention. <i>Expert Review of Gastroenterology and Hepatology</i> , 2016, 10, 1279-1288.	3.0	51
18	Preparation, characterization, and transfection efficiency of low molecular weight polyethylenimine-based nanoparticles for delivery of the plasmid encoding CD200 gene. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5557-5569.	6.7	51

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19	Cytoprotective Effects of Taurine Against Toxicity Induced by Isoniazid and Hydrazine in Isolated Rat Hepatocytes. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2013, 64, 201-210.	0.7	47
20	Hepatoprotective effect of boldine in a bile duct ligated rat model of cholestasis/cirrhosis. <i>PharmaNutrition</i> , 2017, 5, 109-117.	1.7	46
21	The Role and Study of Mitochondrial Impairment and Oxidative Stress in Cholestasis. <i>Methods in Molecular Biology</i> , 2019, 1981, 117-132.	0.9	46
22	Mechanisms of methimazole cytotoxicity in isolated rat hepatocytes. <i>Drug and Chemical Toxicology</i> , 2013, 36, 403-411.	2.3	45
23	Brain mitochondria as potential therapeutic targets for managing hepatic encephalopathy. <i>Life Sciences</i> , 2019, 218, 65-80.	4.3	45
24	Paradoxical effect of methimazole on liver mitochondria: In vitro and in vivo. <i>Toxicology Letters</i> , 2016, 259, 108-115.	0.8	44
25	Arsenic-induced autophagic alterations and mitochondrial impairments in HPG-S axis of mature male mice offspring (F1-generation): A persistent toxicity study. <i>Toxicology Letters</i> , 2020, 326, 83-98.	0.8	44
26	Dithiothreitol supplementation mitigates hepatic and renal injury in bile duct ligated mice: Potential application in the treatment of cholestasis-associated complications. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 1022-1032.	5.6	43
27	Taurine prevents mitochondrial membrane permeabilization and swelling upon interaction with manganese: Implication in the treatment of cirrhosis-associated central nervous system complications. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22216.	3.0	43
28	Carnosine ameliorates liver fibrosis and hyperammonemia in cirrhotic rats. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2017, 41, 424-434.	1.5	42
29	N-acetylcysteine treatment blunts liver failure-associated impairment of locomotor activity. <i>PharmaNutrition</i> , 2017, 5, 141-147.	1.7	42
30	Taurine supplementation abates cirrhosis-associated locomotor dysfunction. <i>Clinical and Experimental Hepatology</i> , 2018, 4, 72-82.	1.3	42
31	Mitochondrial dysfunction as a mechanism involved in the pathogenesis of cirrhosis-associated cholemic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 271-280.	5.6	42
32	The neuroprotective properties of carnosine in a mouse model of manganism is mediated via mitochondria regulating and antioxidative mechanisms. <i>Nutritional Neuroscience</i> , 2020, 23, 731-743.	3.1	41
33	The footprints of mitochondrial impairment and cellular energy crisis in the pathogenesis of xenobiotics-induced nephrotoxicity, serum electrolytes imbalance, and Fanconi's syndrome: A comprehensive review. <i>Toxicology</i> , 2019, 423, 1-31.	4.2	40
34	Cyproterone acetate-loaded nanostructured lipid carriers: effect of particle size on skin penetration and follicular targeting. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 812-823.	2.4	40
35	Clinical characteristics and outcome of hospitalized COVID-19 patients with diabetes: A single-center, retrospective study in Iran. <i>Diabetes Research and Clinical Practice</i> , 2020, 169, 108467.	2.8	40
36	Sulfasalazine-induced renal and hepatic injury in rats and the protective role of taurine. <i>BiolImpacts</i> , 2016, 6, 3-8.	1.5	40

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37	Physicochemical and biological characteristics of the nanostructured polysaccharide-iron hydrogel produced by microorganism <i>Klebsiella oxytoca</i> . <i>Journal of Basic Microbiology</i> , 2017, 57, 132-140.	3.3	39
38	Proline supplementation mitigates the early stage of liver injury in bile duct ligated rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2018, 30, 91-101.	1.3	39
39	Sulfasalazine-induced renal injury in rats and the protective role of thiol-reductants. <i>Renal Failure</i> , 2016, 38, 137-141.	2.1	38
40	A Comparison between the Nephrotoxic Profile of Gentamicin and Gentamicin Nanoparticles in Mice. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 57-62.	3.0	37
41	Mitochondria protecting amino acids: Application against a wide range of mitochondria-linked complications. <i>PharmaNutrition</i> , 2018, 6, 180-190.	1.7	37
42	Poly (ADP-Ribose) polymerase-1 (PARP-1) overactivity plays a pathogenic role in bile acids-induced nephrotoxicity in cholestatic rats. <i>Toxicology Letters</i> , 2020, 330, 144-158.	0.8	36
43	Prognostic Significance of Matrix Metalloproteinase-7 in Gastric Cancer Survival: A Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0122316.	2.5	31
44	Mitigation of Methimazole-Induced Hepatic Injury by Taurine in Mice. <i>Scientia Pharmaceutica</i> , 2015, 83, 143-158.	2.0	31
45	Effect of Thiol-reducing Agents and Antioxidants on Sulfasalazine-induced Hepatic Injury in Normothermic Recirculating Isolated Perfused Rat Liver. <i>Toxicological Research</i> , 2016, 32, 133-140.	2.1	31
46	Type 2 ID1 performs better than type 1 for improving lycopene production in metabolically engineered <i>E. coli</i> strains. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 313-321.	3.6	30
47	N-acetyl cysteine treatment mitigates biomarkers of oxidative stress in different tissues of bile duct ligated rats. <i>Stress</i> , 2021, 24, 213-228.	1.8	30
48	In vitro and in vivo assessment of EDTA-modified silica nano-spheres with supreme capacity of iron capture as a novel antidote agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 745-753.	3.3	28
49	Whole organ sheep kidney tissue engineering and in vivo transplantation: Effects of perfusion-based decellularization on vascular integrity. <i>Materials Science and Engineering C</i> , 2019, 98, 392-400.	7.3	27
50	Taurine enhances skeletal muscle mitochondrial function in a rat model of resistance training. <i>PharmaNutrition</i> , 2019, 9, 100161.	1.7	26
51	in vitro- and in vivo Evaluation of Methotrexate-Loaded Hydrogel Nanoparticles Intended to Treat Primary CNS Lymphoma via Intranasal Administration. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018, 21, 305-317.	2.1	24
52	Apoptosis-inducing factor plays a role in the pathogenesis of hepatic and renal injury during cholestasis. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 1191-1203.	3.0	24
53	Intranasal insulin improves mitochondrial function and attenuates motor deficits in a rat 6̂OHDA model of Parkinson's disease. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 308-319.	3.9	24
54	The crucial role of oxidative stress in non-alcoholic fatty liver disease-induced male reproductive toxicity: the ameliorative effects of Iranian indigenous probiotics. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 247-265.	3.0	23

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55	Laparoscopic gastric plication in morbidly obese adolescents: a prospective study. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 1135-1139.	1.2	21
56	<sc>A</sc> novel cold-adapted pullulanase from <i>Exiguobacterium</i> sp. <sc>SH</sc>3: Production optimization, purification, and characterization. <i>Starch/Staerke</i> , 2014, 66, 225-234.	2.1	21
57	The potential role of mitochondrial impairment in the pathogenesis of imatinib-induced renal injury. <i>Heliyon</i> , 2019, 5, e01996.	3.2	21
58	Oral administration of thiol-reducing agents mitigates gut barrier disintegrity and bacterial lipopolysaccharide translocation in a rat model of biliary obstruction. <i>Current Research in Pharmacology and Drug Discovery</i> , 2020, 1, 10-18.	3.6	21
59	&p&g&t;EDTA-modified mesoporous silica as supra adsorbent of copper ions with novel approach as an antidote agent in copper toxicity&lt;/p&g&t;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 7781-7792.	6.7	20
60	Concomitant Transurethral and Transvaginal-Periurethral Injection of Autologous Adipose Derived Stem Cells for Treatment of Female Stress Urinary Incontinence: A Phase One Clinical Trial. <i>Acta Medica Iranica</i> , 2017, 55, 368-374.	0.8	20
61	Boldine Supplementation Regulates Mitochondrial Function and Oxidative Stress in a Rat Model of Hepatotoxicity. <i>Pharmaceutical Sciences</i> , 2019, 25, 1-10.	0.2	19
62	In Vitro and In Vivo Evidence on the Role of Mitochondrial Impairment as a Mechanism of Lithium-Induced Nephrotoxicity. <i>Biological Trace Element Research</i> , 2021, 199, 1908-1918.	3.5	18
63	Prognostic Significance of Preoperative and Postoperative Plasma Levels of Ghrelin in Gastric Cancer: 3-Year Survival Study. <i>Clinical and Translational Gastroenterology</i> , 2017, 8, e209.	2.5	17
64	Outcomes of Reoperation After Laparoscopic Gastric Plication Failure. <i>Obesity Surgery</i> , 2019, 29, 376-386.	2.1	17
65	&p&g&t;In vitro and in vivo Evaluation of Succinic Acid-Substituted Mesoporous Silica for Ammonia Adsorption: Potential Application in the Management of Hepatic Encephalopathy&lt;/p&g&t;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 10085-10098.	6.7	17
66	A systematic review of long non-coding RNAs with a potential role in breast cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108375.	5.5	17
67	Betaine alleviates cholestasis-associated renal injury by mitigating oxidative stress and enhancing mitochondrial function. <i>Biologia (Poland)</i> , 2021, 76, 351-365.	1.5	15
68	Propylthiouracil-Induced Liver Injury in Mice and the Protective Role of Taurine. <i>Pharmaceutical Sciences</i> , 2015, 21, 94-101.	0.8	14
69	Can Ultrasound Findings be a Good Predictor of Sperm Parameters in Patients With Varicocele? A Cross-Sectional Study. <i>Nephro-Urology Monthly</i> , 2016, 8, e37103.	0.1	13
70	Saturated fatty acids may ameliorate environmental heat stress in broiler birds by affecting mitochondrial energetics and related genes. <i>Journal of Thermal Biology</i> , 2018, 78, 1-9.	2.5	13
71	Suppression of cirrhosis-related renal injury by N-acetyl cysteine. <i>Current Research in Pharmacology and Drug Discovery</i> , 2020, 1, 30-38.	3.6	13
72	Effect of three decellularisation protocols on the mechanical behaviour and structural properties of sheep aortic valve conduits. <i>Advances in Medical Sciences</i> , 2014, 59, 299-307.	2.1	12

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73	The Effect of <i>Lactobacillus casei</i> Consumption in Improvement of Obsessive-Compulsive Disorder: an Animal Study. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1409-1419.	3.9	12
74	Role of angle of progression™ in prediction of delivery mode. <i>Journal of Obstetrics and Gynaecology Research</i> , 2015, 41, 1693-1699.	1.3	11
75	Effect of <i>Eisenia foetida</i> Extract against Cisplatin-Induced Kidney Injury in Rats. <i>Journal of Dietary Supplements</i> , 2016, 13, 551-559.	2.6	11
76	17 $\alpha$ -OH progesterone caproate versus vaginal progesterone suppository for the prevention of preterm birth in women with a sonographically short cervix: A randomized controlled trial. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 57-64.	1.3	11
77	Curcumin Supplementation Alleviates Polymyxin E-Induced Nephrotoxicity. <i>Journal of Experimental Pharmacology</i> , 2020, Volume 12, 129-136.	3.2	11
78	Sulfasalazine-Induced Hepatic Injury in an Ex Vivo Model of Isolated Perfused Rat Liver and the Protective Role of Taurine. <i>Pharmaceutical Sciences</i> , 2015, 21, 211-219.	0.8	11
79	Association of open field behavior with blood and semen characteristics in roosters: an alternative animal model. <i>Revista Internacional De Andrología</i> , 2018, 16, 50-58.	0.3	10
80	Evaluation and statistical optimization of a method for methylated cell-free fetal DNA extraction from maternal plasma. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 1029-1038.	2.5	10
81	Disturbed mitochondrial redox state and tissue energy charge in cholestasis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22846.	3.0	10
82	The Postulated Hepatotoxic Metabolite of Methimazole Causes Mitochondrial Dysfunction and Energy Metabolism Disturbances in Liver. <i>Pharmaceutical Sciences</i> , 2016, 22, 217-226.	0.2	10
83	Propylthiouracil-induced mitochondrial dysfunction in liver and its relevance to drug-induced hepatotoxicity. <i>Pharmaceutical Sciences</i> , 2017, 23, 95-102.	0.2	10
84	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 316-324.	1.6	10
85	Do <i>Pilea Microphylla</i> Improve Sperm DNA Fragmentation and Sperm Parameters in Varicocele Rats?. <i>Acta Medica Iranica</i> , 2015, 53, 547-54.	0.8	10
86	A novel alternative for renal replacement therapy: 2-year successful colonic dialysis via a Malone antegrade continent enema stoma. <i>Journal of Pediatric Urology</i> , 2014, 10, 511-514.	1.1	9
87	Developing a DNA aptamer-based approach for biosensing cystatin-c in serum: An alternative to antibody-based methods. <i>Analytical Biochemistry</i> , 2019, 584, 113386.	2.4	9
88	Carnosine Mitigates Manganese Mitotoxicity in an In Vitro Model of Isolated Brain Mitochondria. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 294-301.	1.4	9
89	Can <i>Melissa officinalis</i> improve chromatin structure and sperm parameters in a rat model of varicocele?. <i>Andrologia</i> , 2018, 50, e13058.	2.1	8
90	The Potential Neuroprotective Role of Citicoline in Hepatic Encephalopathy. <i>Journal of Experimental Pharmacology</i> , 2020, Volume 12, 517-527.	3.2	8

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91	Mitochondrial dysfunction and oxidative stress are involved in the mechanism of tramadol-induced renal injury. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021, 2, 100049.	3.6	8
92	Drug-induced organ injury in coronavirus disease 2019 pharmacotherapy: Mechanisms and challenges in differential diagnosis and potential protective strategies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22795.	3.0	8
93	Hyperoxia-induced preconditioning against renal ischemic injury is mediated by reactive oxygen species but not related to heat shock proteins 70 and 32. <i>Surgery</i> , 2015, 157, 1014-1022.	1.9	7
94	Exacerbated liver injury of antithyroid drugs in endotoxin-treated mice. <i>Drug and Chemical Toxicology</i> , 2019, 42, 615-623.	2.3	7
95	Placental implantation and migration following a previous caesarean section scar. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2017, 57, 115-117.	1.0	6
96	Novel self-assembled nanogels of PEG-grafted poly HPMA with bis( $\beta$ -cyclodextrin) containing disulfide linkage: synthesis, bio-disintegration, and <i>in vivo</i> biocompatibility. <i>New Journal of Chemistry</i> , 2022, 46, 9931-9943.	2.8	6
97	Medical legacy of sanctions in Iran. <i>Nature</i> , 2017, 552, 175-175.	27.8	5
98	Amino Acid-Containing Krebs-Henseleit Buffer Protects Rat Liver in a Long-Term Organ Perfusion Model. <i>Pharmaceutical Sciences</i> , 2018, 24, 168-179.	0.2	5
99	Cytoprotective Properties of Carnosine against Isoniazid-Induced Toxicity in Primary Cultured Rat Hepatocytes. <i>Pharmaceutical Sciences</i> , 2018, 24, 257-263.	0.2	5
100	Effects of cimetidine and N-acetylcysteine on paraquat-induced acute lung injury in rats: a preliminary study. <i>Toxicological and Environmental Chemistry</i> , 2018, 100, 785-793.	1.2	4
101	Antidotal effect of dihydroxyacetone against phosphine poisoning in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22897.	3.0	4
102	Are Nephrostomy and Ureteral Stent Necessary after Multi-Access Percutaneous Nephrolithotomy?. <i>Current Urology</i> , 2019, 13, 141-144.	0.6	3
103	Evaluating graphene oxide and gold nanocomposites (GO@AuNPs) as adsorbents for preconcentration of tetramethyl thiuram disulfide(thiram) from natural waters and as thiram antidotes for <i>in vivo</i> application. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 794-809.	3.3	3
104	Anti-Inflammatory Activity and Quality Control of <i>Erysimum cheiri</i> (L.) Crantz. <i>BioMed Research International</i> , 2021, 2021, 1-12.	1.9	3
105	Designing a fluorescence padlock probe-based biosensor and colorimetric assay for the detection of G12D KRAS mutation. <i>Biomarkers in Medicine</i> , 2021, 15, 1741-1754.	1.4	2
106	Molecular detection and phylogenetic analysis of <i>Neospora caninum</i> in various hosts from Iran. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2022, 80, 101737.	1.6	2
107	Application of Circulating Tumor DNA in Early Detection of Breast Cancer. <i>Multidisciplinary Cancer Investigation</i> , 2017, 1, 0-0.	0.2	1
108	Assessment of 16srRNA Methylase Genes Among Non-ESBL and ESBL-Producing <i>Klebsiella pneumoniae</i> Isolates. <i>Archives of Clinical Infectious Diseases</i> , 2020, 14, .	0.2	1

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109	Clinical Application of Circulating Tumor DNA in Diagnosis of Breast Cancer. Multidisciplinary Cancer Investigation, 2017, 1, 0-0.	0.2	1
110	Performance and Predictive Value of First Trimester Screening Markers for Down Syndrome in Iranian Pregnancies. Journal of Family & Reproductive Health, 2018, 12, 121-128.	0.4	1
111	A presmooth estimator of unbiased distributions with length-biased data. Mathematical Sciences, 2019, 13, 317-323.	1.7	0
112	Application of Chromosome Conformation Capture Method for Detection MYC/TRD Chromosomal Translocation in Leukemia Cell Line. International Journal of Hematology-Oncology and Stem Cell Research, 2020, 14, 200-212.	0.3	0
113	Identification of shared molecular signatures between multiple sclerosis and Parkinson's disease using systems biology approach. Gene Reports, 2022, 27, 101604.	0.8	0