

# Layasadat Khorsandi

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

2,127  
citations

236925

25  
h-index

315739

38  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3063  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of zinc oxide nanoparticles on mouse spermatogenesis. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1203-1209.	2.5	121
2	Protective effect of minocycline on dexamethasone induced testicular germ cell apoptosis in mice. <i>European Review for Medical and Pharmacological Sciences</i> , 2009, 13, 1-5.	0.7	78
3	Effects of Quercetin-Loaded Nanoparticles on MCF-7 Human Breast Cancer Cells. <i>Medicina (Lithuania)</i> , 2019, 55, 114.	2.0	76
4	Quercetin induces apoptosis and necroptosis in MCF-7 breast cancer cells. <i>Bratislava Medical Journal</i> , 2017, 118, 123-128.	0.8	74
5	Effect of glycyrrhizic acid on titanium dioxide nanoparticles-induced hepatotoxicity in rats. <i>Chemico-Biological Interactions</i> , 2014, 220, 214-221.	4.0	70
6	Solid Lipid Nanoparticles of Myricitrin Have Antioxidant and Antidiabetic Effects on Streptozotocin-Nicotinamide-Induced Diabetic Model and Myotube Cell of Male Mouse. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-18.	4.0	70
7	Toxic effects of dexamethasone on mouse testicular germ cells. <i>Andrologia</i> , 2010, 42, 247-253.	2.1	52
8	Effect of curcumin on dexamethasone-induced testicular toxicity in mice. <i>Pharmaceutical Biology</i> , 2013, 51, 206-212.	2.9	48
9	Three-dimensional differentiation of adipose-derived mesenchymal stem cells into insulin-producing cells. <i>Cell and Tissue Research</i> , 2015, 361, 745-753.	2.9	47
10	Protective effects of zingerone on oxidative stress and inflammation in cisplatin-induced rat nephrotoxicity. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 225-232.	5.6	47
11	Crocetin ameliorates methotrexate-induced liver injury via inhibition of oxidative stress and inflammation in rats. <i>Pharmacological Reports</i> , 2019, 71, 746-752.	3.3	46
12	Effect of beta-carotene on titanium oxide nanoparticles-induced testicular toxicity in mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 561-568.	2.5	44
13	Beneficial effects of quercetin on titanium dioxide nanoparticles induced spermatogenesis defects in mice. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5595-5606.	5.3	44
14	Protective effect of naringin against BPA-induced cardiotoxicity through prevention of oxidative stress in male Wistar rats. <i>Drug and Chemical Toxicology</i> , 2020, 43, 85-95.	2.3	41
15	Protective effect of gallic acid and gallic acid-loaded Eudragit-RS 100 nanoparticles on cisplatin-induced mitochondrial dysfunction and inflammation in rat kidney. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165911.	3.8	41
16	&lt;p&gt;Alleviation of Liver Dysfunction, Oxidative Stress and Inflammation Underlies the Protective Effect of Ferulic Acid in Methotrexate-Induced Hepatotoxicity&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 1933-1941.	4.3	40
17	Three-dimensional differentiation of bone marrow-derived mesenchymal stem cells into insulin-producing cells. <i>Tissue and Cell</i> , 2015, 47, 66-72.	2.2	38
18	Chrysin prevents cognitive and hippocampal long-term potentiation deficits and inflammation in rat with cerebral hypoperfusion and reperfusion injury. <i>Life Sciences</i> , 2019, 226, 202-209.	4.3	38

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19	Toxic effects of <i>Carthamus tinctorius</i> L. (Safflower) extract on mouse spermatogenesis. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 457-461.	2.5	37
20	Anti-diabetic effect of betulinic acid on streptozotocin-nicotinamide induced diabetic male mouse model. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018, 54, .	1.2	37
21	Vanillic acid attenuates cerebral hyperemia, blood-brain barrier disruption and anxiety-like behaviors in rats following transient bilateral common carotid occlusion and reperfusion. <i>Metabolic Brain Disease</i> , 2018, 33, 785-793.	2.9	35
22	Vanillic acid attenuates effects of transient bilateral common carotid occlusion and reperfusion in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 667-674.	5.6	32
23	Sesamin: A promising protective agent against diabetes-associated cognitive decline in rats. <i>Life Sciences</i> , 2019, 230, 169-177.	4.3	32
24	Betaine protects mice against acetaminophen hepatotoxicity possibly via mitochondrial complex II and glutathione availability. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1436-1445.	5.6	30
25	Antioxidant effect of myricitrin on hyperglycemia-induced oxidative stress in C2C12 cell. <i>Cell Stress and Chaperones</i> , 2018, 23, 773-781.	2.9	28
26	Protective effects of Chrysin against memory impairment, cerebral hyperemia and oxidative stress after cerebral hypoperfusion and reperfusion in rats. <i>Metabolic Brain Disease</i> , 2020, 35, 401-412.	2.9	24
27	Chrysin attenuates traumatic brain injury-induced recognition memory decline, and anxiety/depression-like behaviors in rats: Insights into underlying mechanisms. <i>Psychopharmacology</i> , 2020, 237, 1607-1619.	3.1	24
28	Preventive effects of betulinic acid on streptozotocinnicotinamide induced diabetic nephropathy in male mouse. <i>Journal of Nephropathology</i> , 2016, 5, 128-133.	0.2	24
29	Dimethyl fumarate reduces oxidative stress, inflammation and fat deposition by modulation of Nrf2, SREBP-1c and NF- $\kappa$ B signaling in HFD fed mice. <i>Life Sciences</i> , 2021, 283, 119852.	4.3	23
30	Chronic exposure to arsenic and high fat diet additively induced cardiotoxicity in male mice. <i>Research in Pharmaceutical Sciences</i> , 2018, 13, 47.	1.8	23
31	Effects of Silymarin-Loaded Nanoparticles on HT-29 Human Colon Cancer Cells. <i>Medicina (Lithuania)</i> , 2018, 54, 1.	2.0	21
32	Grape Seed Proanthocyanidin Extract Improved some of Biochemical Parameters and Antioxidant Disturbances of Red Blood Cells in Diabetic Rats. <i>Iranian Journal of Pharmaceutical Research</i> , 2015, 14, 329-34.	0.5	21
33	Anticancer Activity of Curcumin-Loaded PLGA Nanoparticles on PC3 Prostate Cancer Cells. <i>Iranian Journal of Pharmaceutical Research</i> , 2017, 16, 868-879.	0.5	21
34	Sodium hydrogen sulfide (NaHS) ameliorates alterations caused by cisplatin in filtration slit diaphragm and podocyte cytoskeletal in rat kidney. <i>Journal of Nephropathology</i> , 2017, 6, 150-156.	0.2	20
35	Efficiency of naringin against reproductive toxicity and testicular damages induced by bisphenol A in rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 315-523.	1.0	20
36	Morphometric and stereological assessment of the effects of zinc oxide nanoparticles on the mouse testicular tissue. <i>Bratislava Medical Journal</i> , 2015, 116, 321-325.	0.8	19

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37	Naringenin: a potential natural remedy against methotrexate-induced hepatotoxicity in rats. <i>Drug and Chemical Toxicology</i> , 2022, 45, 491-498.	2.3	19
38	Taurine effects on Bisphenol A-induced oxidative stress in the mouse testicular mitochondria and sperm motility. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2020, 24, 428-435.	0.7	19
39	Myricetin Loaded Solid Lipid Nanoparticles Upregulate MLKL and RIPK3 in Human Lung Adenocarcinoma. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 899-910.	1.9	18
40	Central and peripheral administrations of levothyroxine improved memory performance and amplified brain electrical activity in the rat model of Alzheimer's disease. <i>Neuropeptides</i> , 2016, 59, 111-116.	2.2	17
41	Peripheral and central administration of T3 improved the histological changes, memory and the dentate gyrus electrophysiological activity in an animal model of Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2017, 32, 693-701.	2.9	17
42	Silymarin induces a multi-targeted cell death process in the human colon cancer cell line HT-29. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 890-897.	5.6	17
43	Effects of Quercetin on Tubular Cell Apoptosis and Kidney Damage in Rats Induced by Titanium Dioxide Nanoparticles. <i>The Malaysian Journal of Medical Sciences</i> , 2018, 25, 72-81.	0.5	17
44	In Vitro Toxic Effects of Zinc Oxide Nanoparticles on Rat Adipose Tissue-Derived Mesenchymal Stem Cells. <i>Cell Journal</i> , 2015, 17, 412-21.	0.2	17
45	Zinc oxide nanoparticles induce necroptosis and inhibit autophagy in MCF-7 human breast cancer cells. <i>Biologia (Poland)</i> , 2020, 75, 161-174.	1.5	16
46	Curcumin-loaded poly lactic-co-glycolic acid nanoparticles effects on mono-iodoacetate -induced osteoarthritis in rats. <i>Veterinary Research Forum</i> , 2017, 8, 155-161.	0.3	16
47	Upregulation of Nrf2-related cytoprotective genes expression by acetaminophen-induced acute hepatotoxicity in mice and the protective role of betaine. <i>Human and Experimental Toxicology</i> , 2020, 39, 948-959.	2.2	15
48	Curcumin Attenuates Hepatotoxicity Induced by Zinc Oxide Nanoparticles in Rats. <i>Balkan Medical Journal</i> , 2016, 33, 252-257.	0.8	15
49	Protective effect of Zingerone against mouse testicular damage induced by zinc oxide nanoparticles. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25814-25824.	5.3	14
50	Zinc oxide nanoparticles enhance expression of maspin in human breast cancer cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38300-38310.	5.3	14
51	Antioxidant, anti-apoptotic, and protective effects of myricitrin and its solid lipid nanoparticle on streptozotocin-nicotinamide-induced diabetic nephropathy in type 2 diabetic male mice. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 1424-1431.	1.0	14
52	Pancreatic protective and hypoglycemic effects of Vitex agnus-castus L. fruit hydroalcoholic extract in D-galactose-induced aging mouse model. <i>Research in Pharmaceutical Sciences</i> , 2017, 12, 137.	1.8	14
53	Protective effects of Curcumin on testicular toxicity induced by titanium dioxide nanoparticles in mice. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2019, 23, 344-351.	0.7	14
54	The regulation of pituitary-thyroid abnormalities by peripheral administration of levothyroxine increased brain-derived neurotrophic factor and reelin protein expression in an animal model of Alzheimer's disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 275-280.	1.4	13

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55	Effects of Betulinic Acid on the Male Reproductive System of a Streptozotocin-Nicotinamide-Induced Diabetic Mouse Model. <i>World Journal of Men's Health</i> , 2016, 34, 209.	3.3	12
56	Effects of Exendine-4 on The Differentiation of Insulin Producing Cells from Rat Adipose-Derived Mesenchymal Stem Cells. <i>Cell Journal</i> , 2016, 17, 720-9.	0.2	12
57	Chondrogenic Differentiation of Human Umbilical Cord Blood-Derived Unrestricted Somatic Stem Cells on A 3D Beta-Tricalcium Phosphate-Alginate-Gelatin Scaffold. <i>Cell Journal</i> , 2014, 16, 43-52.	0.2	12
58	Glycyrrhizic acid attenuated lipid peroxidation induced by titanium dioxide nanoparticles in rat liver. <i>Bratislava Medical Journal</i> , 2015, 116, 383-388.	0.8	11
59	Morphometric and stereological assessment of the effects of titanium dioxide nanoparticles on the mouse testicular tissue. <i>Bratislava Medical Journal</i> , 2017, 117, 659-664.	0.8	11
60	Hyperglycemia-induced oxidative stress in isolated proximal tubules of mouse: the in vitro effects of myricitrin and its solid lipid nanoparticle. <i>Archives of Physiology and Biochemistry</i> , 2019, 127, 1-7.	2.1	11
61	Diabetic nephropathy induced by methylglyoxal: gallic acid regulates kidney microRNAs and glyoxalase1â€Nrf2 in male mice. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 655-662.	2.1	11
62	The effects of ozone and melatonin on busulfan-induced testicular damage in mice. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2021, 25, 176-184.	0.7	11
63	Antioxidant effects of proanthocyanidin from grape seed on hepatic tissue injury in diabetic rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2014, 17, 460-4.	1.0	11
64	Protective effect of beta-carotene against titanium dioxide nanoparticles induced apoptosis in mouse testicular tissue. <i>Andrologia</i> , 2015, 47, 816-825.	2.1	10
65	Curcumin attenuates nephrotoxicity induced by zinc oxide nanoparticles in rats. <i>Environmental Science and Pollution Research</i> , 2019, 26, 179-187.	5.3	10
66	Zingerone ameliorates gentamicin-induced nephrotoxicity in rats. <i>Comparative Clinical Pathology</i> , 2020, 29, 971-980.	0.7	10
67	Metformin loaded cholesterol-lysine conjugate nanoparticles: A novel approach for protecting HDFs against UVB-induced senescence. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119603.	5.2	10
68	Sesamin alleviates diabetes-associated behavioral deficits in rats: The role of inflammatory and neurotrophic factors. <i>International Immunopharmacology</i> , 2021, 92, 107356.	3.8	10
69	Taurine induces autophagy and inhibits oxidative stress in mice Leydig cells. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2020, 24, 250-256.	0.7	10
70	Dysregulation of Sqstm1, mitophagy, and apoptotic genes in chronic exposure to arsenic and high-fat diet (HFD). <i>Environmental Science and Pollution Research</i> , 2018, 25, 34351-34359.	5.3	9
71	Gene expression in human liver fibrosis associated with <i>Echinococcus granulosus sensu lato</i> . <i>Parasitology Research</i> , 2020, 119, 2177-2187.	1.6	8
72	Characterization of A Three-Dimensional Organotypic Co-Culture Skin Model for Epidermal Differentiation of Rat Adipose-Derived Stem Cells. <i>Cell Journal</i> , 2016, 18, 289-301.	0.2	8

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73	Taurine attenuates valproic acid-induced hepatotoxicity via modulation of RIPK1/RIPK3/MLKL-mediated necroptosis signaling in mice. <i>Molecular Biology Reports</i> , 2021, 48, 4153-4162.	2.3	7
74	Effect of Hydroalcoholic Extract of Purslane ( <i>Portulaca Oleracea</i> L.) on Diabetic Variables in D-Galactose Induced Aging Mouse Model. <i>Acta Endocrinologica</i> , 2018, 14, 24-29.	0.3	7
75	The effects of exendin-4 on insulin producing cell differentiation from rat bone marrow-derived mesenchymal stem cells. <i>Cell Journal</i> , 2014, 16, 187-94.	0.2	7
76	Ameliorating effect of encapsulated hepatocyte-like cells derived from umbilical cord in high mannuronic alginate scaffolds on acute liver failure in rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2018, 21, 928-935.	1.0	7
77	Effects of Silymarin-Loaded Poly(lactic-co-glycolic Acid) Nanoparticles on Osteoarthritis in Rats. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 605-614.	1.5	6
78	Quercetin ameliorates cytotoxic effects of zinc oxide nanoparticles on sertoli cells by enhancing autophagy and suppressing oxidative stress. <i>Andrologia</i> , 2021, 53, e13988.	2.1	6
79	The effects of myricitrin and vitamin E against reproductive changes induced by D-galactose as an aging model in female mice: An experimental study. <i>International Journal of Reproductive BioMedicine</i> , 2019, 17, 789-798.	0.9	6
80	Myricetin loaded in solid lipid nanoparticles induces apoptosis in the HT-29 colorectal cancer cells via mitochondrial dysfunction. <i>Molecular Biology Reports</i> , 0, , .	2.3	6
81	Tuning of Elastic Properties of Nanotubes by Imposing a Transverse Electric Field: Computational Approach. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17801-17809.	3.1	5
82	The effect of triiodothyronine on the hippocampal long-term potentiation in an animal model of the Alzheimer's disease: The role of BDNF and reelin. <i>Neurology Psychiatry and Brain Research</i> , 2019, 33, 82-88.	2.0	5
83	Microarray analysis of apoptosis gene expression in liver injury induced by chronic exposure to arsenic and high-fat diet in male mice. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26351-26366.	5.3	5
84	Chemotherapy Drugs Based on Solid Lipid Nanoparticles for Breast Cancer Treatment. <i>Medicina (Lithuania)</i> , 2020, 56, 694.	2.0	5
85	Vildagliptin Enhances Differentiation of Insulin Producing Cells from Adipose-Derived Mesenchymal Stem Cells. <i>Cell Journal</i> , 2019, 20, 477-482.	0.2	5
86	Protective role of grape seed proanthocyanidin antioxidant properties on heart of streptozotocin-induced diabetic rats. <i>Veterinary Research Forum</i> , 2015, 6, 119-24.	0.3	5
87	Protective effects of selenium on Bisphenol A-induced oxidative stress in mouse testicular mitochondria and sperm motility. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2021, 25, 459-465.	0.7	4
88	Taurine ameliorates cytotoxic effects of Di(2-ethylhexyl) phthalate on Leydig cells. <i>Andrologia</i> , 2021, 53, e14146.	2.1	4
89	Immunolocalization of galectin-3 in mouse testicular tissue. <i>Iranian Journal of Basic Medical Sciences</i> , 2011, 14, 349-53.	1.0	4
90	<i>RAP1GAP</i> Functions as a Tumor Suppressor Gene and Is Regulated by DNA Methylation in Differentiated Thyroid Cancer. <i>Cytogenetic and Genome Research</i> , 2021, 161, 227-235.	1.1	4

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91	Computational evidence to design an appropriate candidate for the treatment of Alzheimer's disease through replacement of the heptamethylene linker of bis(7)tacrine with S-allylcysteine. <i>RSC Advances</i> , 2015, 5, 66840-66851.	3.6	3
92	Comparing Oxidative Stress Status Among Iranian Males and Females with Malignant and Non-malignant Thyroid Nodules. <i>International Journal of Endocrinology and Metabolism</i> , 2021, 19, e105669.	1.0	3
93	The effects of gallic acid and metformin on male reproductive dysfunction in diabetic mice induced by methylglyoxal: An experimental study. <i>International Journal of Reproductive BioMedicine</i> , 2021, 19, 715-724.	0.9	3
94	Toxic effect of <i>Tropaeolum majus</i> L. leaves on spermatogenesis in mice. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2018, 22, 174-179.	0.7	3
95	Effects of hydro-alcoholic extract of fruit on kidney of D-galactose-induced aging model in female mice. <i>Iranian Journal of Veterinary Research</i> , 2016, 17, 203-206.	0.4	3
96	Gallic acid protects the liver against NAFLD induced by dust exposure and high-fat diet through inhibiting oxidative stress and repressing the inflammatory signaling pathways NF- $\kappa$ B/TNF- $\alpha$ /IL-6 in Wistar rats. <i>Avicenna Journal of Phytomedicine</i> , 2021, 11, 527-540.	0.2	3
97	Swimming training combined with chitosan supplementation reduces the development of obesity and oxidative stress in high-fat diet-fed mice. <i>British Journal of Nutrition</i> , 2022, 127, 837-846.	2.3	2
98	Effects of crocin and metformin on methylglyoxal-induced reproductive system dysfunction in diabetic male mice. <i>Clinical and Experimental Reproductive Medicine</i> , 2021, 48, 221-228.	1.5	2
99	Exendin-4 effects on islet volume and number in mouse pancreas. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013, 49, 745-752.	1.2	2
100	D-Galaktoz ile $\Delta$ nd $\frac{1}{4}$ klenen Farelerde Ya $\ddot{y}$ lanma Modelinin Nefropatisi $\ddot{A}$ cezerine Mirisitrin ve Vitamin E $\hat{a}$ ™nin Koruyucu Etkileri. <i>Duzce Universitesi Tip Fak<math>\frac{1}{4}</math>ltesi Dergisi</i> , 2021, 23, 270-275.	0.7	2
101	Exendin-4 effects on islet volume and number in the mouse pancreas. <i>Bratislava Medical Journal</i> , 2014, 115, 502-507.	0.8	1
102	Safety Assessment of a New Pigmented Safflower Seed Coat (A82) by a Feeding Study on Rat. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	1
103	<i>Allium jesdianum</i> Extract Induces Oxidative Stress and Necroptosis in Human Colorectal Cancer (HT-29) Cell Line. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1
104	Therapeutic Effect of Gallic Acid Against Paraquat-Induced Lung Injury in Rats. <i>Jundishapur Journal of Natural Pharmaceutical Products</i> , 2018, In Press, .	0.6	1
105	Toxic Effects of Chronic Exposure to High-Fat Diet and Arsenic on the Reproductive System of the Male Mouse. <i>Journal of Family &amp; Reproductive Health</i> , 2019, 13, 181-190.	0.4	1
106	Gallic acid treats dust-induced NAFLD in rats by improving the liver's anti-oxidant capacity and inhibiting ROS/NF $\kappa$ B/TNF $\alpha$ inflammatory pathway. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 240-247.	1.0	1
107	Liver histopathological alteration and dysfunction after bisphenol A administration in male rats and protective effects of naringin. <i>Avicenna Journal of Phytomedicine</i> , 2021, 11, 394-406.	0.2	1
108	CpG Island Methylation of the Rap1Gap Gene in Medullary Thyroid Cancer. <i>Archives of Iranian Medicine</i> , 2022, 25, 171-177.	0.6	1

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109	Immunohistochemical assessment of galectin-3 during pre-implantation in mouse endometrium. Iranian Journal of Reproductive Medicine, 2013, 11, 119-26.	0.8	0
110	The effect of glycyrrhizin acid on and expression in hepatotoxicity induced by Titanium dioxide nanoparticles in rats. Gastroenterology and Hepatology From Bed To Bench, 2020, 13, 168-176.	0.6	0
111	The antidiabetic and hepatoprotective effects of myricitrin on aged mice with D-galactose. Gastroenterology and Hepatology From Bed To Bench, 2020, 13, 247-253.	0.6	0
112	Autophagy Involves in Differentiation of Insulin-Secreting Cells from Adipose Derived Stem Cells.. Cell Journal, 2021, 23, 619-625.	0.2	0
113	Calcium- and Barium-Alginate Effects on Chondrogenic Differentiation of Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells. Iranian Journal of Science and Technology, Transaction A: Science, 0, , .	1.5	0