

Mutay Aslan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2711214/mutay-aslan-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

3,106
citations

27
h-index

52
g-index

159
ext. papers

3,498
ext. citations

3.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
122	Oxygen radical inhibition of nitric oxide-dependent vascular function in sickle cell disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 15215-20	11.5	314
121	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
120	Binding of xanthine oxidase to vascular endothelium. Kinetic characterization and oxidative impairment of nitric oxide-dependent signaling. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4985-94	5.4	184
119	Nitric oxide-dependent generation of reactive species in sickle cell disease. Actin tyrosine induces defective cytoskeletal polymerization. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4194-204	5.4	131
118	Oxidative and nitrative stress markers in glaucoma. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 367-76	7.8	122
117	Oxidants in receptor tyrosine kinase signal transduction pathways. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 781-8	8.4	107
116	Reactive species in sickle cell disease. <i>Annals of the New York Academy of Sciences</i> , 2000 , 899, 375-91	6.5	91
115	Activities of xanthine oxidoreductase and antioxidant enzymes in different tissues of diabetic rats. <i>Translational Research</i> , 2003 , 142, 172-7		91
114	Thiol redox homeostasis in neurodegenerative disease. <i>Redox Biology</i> , 2015 , 5, 186-194	11.3	90
113	Oxidative stress in thalassaemia and sickle cell disease. <i>Redox Biology</i> , 2015 , 6, 226-239	11.3	88
112	Hypercapnia via reduced rate and tidal volume contributes to lipopolysaccharide-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 147-57	10.2	80
111	Reactive oxygen and nitrogen species in Alzheimer's disease. <i>Current Alzheimer Research</i> , 2004 , 1, 111-9	3	78
110	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) is inactivated by S-sulfuration in vitro. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 512-21	7.8	70
109	Redox-dependent impairment of vascular function in sickle cell disease. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 1469-83	7.8	70
108	Effect of astaxanthin on hepatocellular injury following ischemia/reperfusion. <i>Toxicology</i> , 2010 , 267, 147-53	4.4	62
107	Albumin and hydroxyethyl starch modulate oxidative inflammatory injury to vascular endothelium. <i>Anesthesiology</i> , 2004 , 100, 51-8	4.3	62
106	The prooxidant effect of sodium metabisulfite in rat liver and kidney. <i>Regulatory Toxicology and Pharmacology</i> , 2005 , 42, 77-82	3.4	42

105	The influence and the mechanism of docosahexaenoic acid on a mouse model of Parkinson's disease. <i>Neurochemistry International</i> , 2011 , 59, 664-70	4.4	40
104	Effect of hypercholesterolemia on inducible nitric oxide synthase expression in a rat model of elevated intraocular pressure. <i>Vision Research</i> , 2005 , 45, 1107-14	2.1	39
103	Beneficial effect of myricetin on renal functions in streptozotocin-induced diabetes. <i>Clinical and Experimental Medicine</i> , 2012 , 12, 265-72	4.9	37
102	Diclofenac induced gastrointestinal and renal toxicity is alleviated by thymoquinone treatment. <i>Food and Chemical Toxicology</i> , 2018 , 118, 795-804	4.7	33
101	Decreased serum paraoxonase and arylesterase activities in patients with rosacea. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2015 , 29, 367-370	4.6	32
100	Oxidant-mediated impairment of nitric oxide signaling in sickle cell disease--mechanisms and consequences. <i>Cellular and Molecular Biology</i> , 2004 , 50, 95-105	1.1	32
99	LC-MS/MS analysis of plasma polyunsaturated fatty acids in type 2 diabetic patients after insulin analog initiation therapy. <i>Lipids in Health and Disease</i> , 2013 , 12, 169	4.4	31
98	Oxidative stress and potential applications of free radical scavengers in glaucoma. <i>Redox Report</i> , 2013 , 18, 76-87	5.9	31
97	Suppressive effect of astaxanthin on retinal injury induced by elevated intraocular pressure. <i>Regulatory Toxicology and Pharmacology</i> , 2010 , 58, 121-30	3.4	29
96	Tumour suppressor PTEN enhanced enzyme activity of GPx, SOD and catalase by suppression of PI3K/AKT pathway in non-small cell lung cancer cell lines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013 , 28, 539-44	5.6	28
95	Mechanism of the beneficial effect of melatonin in experimental Parkinson's disease. <i>Neurochemistry International</i> , 2014 , 79, 1-11	4.4	27
94	Hepatic ischemia-reperfusion injury and therapeutic strategies to alleviate cellular damage. <i>Hepatology Research</i> , 2011 , 41, 103-17	5.1	27
93	Modulation of redox pathways in neutrophils from sickle cell disease patients. <i>Experimental Hematology</i> , 2008 , 36, 1535-44	3.1	27
92	Effect of alpha-lipoic acid on visual evoked potentials in rats exposed to sulfite. <i>Neurotoxicology and Teratology</i> , 2009 , 31, 34-9	3.9	25
91	Melatonin is protective against 6-hydroxydopamine-induced oxidative stress in a hemiparkinsonian rat model. <i>Free Radical Research</i> , 2015 , 49, 1004-14	4	24
90	Comparison of the beneficial effect of melatonin on recovery after cut and crush sciatic nerve injury: a combined study using functional, electrophysiological, biochemical, and electron microscopic analyses. <i>Child's Nervous System</i> , 2013 , 29, 389-401	1.7	24
89	The effect of sulfite and chronic restraint stress on brain lipid peroxidation and anti-oxidant enzyme activities. <i>Toxicology and Industrial Health</i> , 2006 , 22, 233-40	1.8	24
88	Nitrotyrosine formation and apoptosis in rat models of ocular injury. <i>Free Radical Research</i> , 2006 , 40, 147-53	4	24

87	Neutral sphingomyelinase inhibition decreases ER stress-mediated apoptosis and inducible nitric oxide synthase in retinal pigment epithelial cells. <i>Free Radical Biology and Medicine</i> , 2014 , 72, 113-23	7.8	23
86	Effect of chronic restraint stress and alpha-lipoic acid on lipid peroxidation and antioxidant enzyme activities in rat peripheral organs. <i>Pharmacological Research</i> , 2006 , 54, 247-52	10.2	23
85	Oxidases and oxygenases in regulation of vascular nitric oxide signaling and inflammatory responses. <i>Immunologic Research</i> , 2002 , 26, 107-18	4.3	23
84	LC-MS/MS analysis of plasma polyunsaturated fatty acids in patients with homozygous sickle cell disease. <i>Clinical and Experimental Medicine</i> , 2015 , 15, 397-403	4.9	19
83	The role of nitric oxide on visual-evoked potentials in MPTP-induced Parkinsonism in mice. <i>Neurochemistry International</i> , 2014 , 72, 48-57	4.4	18
82	Effect of insulin analog initiation therapy on LDL/HDL subfraction profile and HDL associated enzymes in type 2 diabetic patients. <i>Lipids in Health and Disease</i> , 2013 , 12, 54	4.4	17
81	Effects of N-acetylcystein on bleomycin-induced apoptosis in malignant testicular germ cell tumors. <i>Journal of Physiology and Biochemistry</i> , 2012 , 68, 555-62	5	17
80	Sodium tungstate administration ameliorated diabetes-induced electrical and contractile remodeling of rat heart without normalization of hyperglycemia. <i>Biological Trace Element Research</i> , 2012 , 148, 216-23	4.5	17
79	Dose-dependent effect of nutritional sulfite intake on visual evoked potentials and lipid peroxidation. <i>Neurotoxicology and Teratology</i> , 2011 , 33, 244-54	3.9	17
78	Effect of aminoguanidine on visual evoked potentials (VEPs), antioxidant status and lipid peroxidation in rats exposed to chronic restraint stress. <i>Brain Research</i> , 2007 , 1186, 87-94	3.7	17
77	Transmission electron microscopy and autofluorescence findings in the cornea of diabetic rats treated with aminoguanidine. <i>Canadian Journal of Ophthalmology</i> , 2006 , 41, 60-6	1.4	17
76	Effects of rosmarinic acid on cognitive and biochemical alterations in ovariectomized rats treated with D-galactose. <i>Folia Histochemica Et Cytobiologica</i> , 2015 , 53, 283-93	1.4	17
75	Inhibition of neutral sphingomyelinase decreases elevated levels of nitrative and oxidative stress markers in liver ischemia-reperfusion injury. <i>Redox Report</i> , 2017 , 22, 147-159	5.9	16
74	Neutral sphingomyelinase inhibition alleviates apoptosis, but not ER stress, in liver ischemia-reperfusion injury. <i>Free Radical Research</i> , 2017 , 51, 253-268	4	16
73	The effect of docosahexaenoic Acid on visual evoked potentials in a mouse model of Parkinson's disease: the role of cyclooxygenase-2 and nuclear factor kappa-B. <i>Neurotoxicity Research</i> , 2011 , 20, 250-62	4.3	16
72	The effect of oxytocin and Kisspeptin-10 in ovary and uterus of ischemia-reperfusion injured rats. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2017 , 56, 456-462	1.6	15
71	Measurement of intracellular biomolecular oxidation in liver ischemia-reperfusion injury via immuno-spin trapping. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 406-14	7.8	15
70	The effect of hemolysis on plasma oxidation and nitration in patients with sickle cell disease. <i>Free Radical Research</i> , 2012 , 46, 883-90	4	15

69	Manganese porphyrin reduces retinal injury induced by ocular hypertension in rats. <i>Experimental Eye Research</i> , 2011 , 93, 387-96	3.7	14
68	Induction of xanthine oxidase activity, endoplasmic reticulum stress and caspase activation by sodium metabisulfite in rat liver and their attenuation by Ghrelin. <i>Food and Chemical Toxicology</i> , 2015 , 76, 27-32	4.7	13
67	Proteomic detection of nitroproteins as potential biomarkers for cardiovascular disease. <i>Journal of Proteomics</i> , 2011 , 74, 2274-88	3.9	13
66	Early postoperative changes of HDL subfraction profile and HDL-associated enzymes after laparoscopic sleeve gastrectomy. <i>Obesity Surgery</i> , 2013 , 23, 1973-80	3.7	12
65	Serum paraoxonase and arylesterase activities for the evaluation of patients with chronic hepatitis. <i>International Journal of Clinical Practice</i> , 2008 , 62, 1050-5	2.9	12
64	Inhibition of neutral sphingomyelinase decreases arachidonic acid mediated inflammation in liver ischemia-reperfusion injury. <i>International Journal of Clinical and Experimental Pathology</i> , 2014 , 7, 7814-23	1.4	12
63	Central neuropeptide-S treatment improves neurofunctions of 6-OHDA-induced Parkinsonian rats. <i>Experimental Neurology</i> , 2019 , 317, 78-86	5.7	11
62	Decreased Serum Levels of Sphingomyelins and Ceramides in Sickle Cell Disease Patients. <i>Lipids</i> , 2018 , 53, 313-322	1.6	11
61	A pilot study investigating early postoperative changes of plasma polyunsaturated fatty acids after laparoscopic sleeve gastrectomy. <i>Lipids in Health and Disease</i> , 2014 , 13, 62	4.4	11
60	Lipoprotein subfraction profile and HDL-associated enzymes in sickle cell disease patients. <i>Lipids</i> , 2013 , 48, 1217-26	1.6	11
59	Neutrophil oxidative metabolism in Down syndrome patients with congenital heart defects. <i>Environmental and Molecular Mutagenesis</i> , 2010 , 51, 57-63	3.2	11
58	Corneal protein nitration in experimental uveitis. <i>Experimental Biology and Medicine</i> , 2007 , 232, 1308-13	3.7	11
57	Effect of chronic L-carnitine supplementation on carnitine levels, oxidative stress and apoptotic markers in peripheral organs of adult Wistar rats. <i>Food and Chemical Toxicology</i> , 2019 , 134, 110851	4.7	10
56	Inhibition of neutral sphingomyelinase decreases elevated levels of inducible nitric oxide synthase and apoptotic cell death in ocular hypertensive rats. <i>Toxicology and Applied Pharmacology</i> , 2014 , 280, 389-98	4.6	10
55	Analysis of polyunsaturated fatty acids and the omega-6 inflammatory pathway in hepatic ischemia/re-perfusion injury. <i>Molecular Medicine Reports</i> , 2015 , 12, 4149-4156	2.9	10
54	Effects of magnesium supplementation on electrophysiological remodeling of cardiac myocytes in L-NAME induced hypertensive rats. <i>Journal of Bioenergetics and Biomembranes</i> , 2016 , 48, 425-36	3.7	9
53	Induction of omega 6 inflammatory pathway by sodium metabisulfite in rat liver and its attenuation by ghrelin. <i>Lipids in Health and Disease</i> , 2015 , 14, 7	4.4	8
52	Effect of ER stress on sphingolipid levels and apoptotic pathways in retinal pigment epithelial cells. <i>Redox Biology</i> , 2020 , 30, 101430	11.3	8

51	Effect of tauroursodeoxycholic acid on PUFA levels and inflammation in an animal and cell model of hepatic endoplasmic reticulum stress. <i>Human and Experimental Toxicology</i> , 2018 , 37, 803-816	3.4	8
50	Protective effects of syringic acid on neurobehavioral deficits and hippocampal tissue damages induced by sub-chronic deltamethrin exposure. <i>Neurotoxicology and Teratology</i> , 2019 , 76, 106839	3.9	8
49	Effects of extremely low-frequency electric fields at different intensities and exposure durations on mismatch negativity. <i>Neuroscience</i> , 2014 , 272, 154-66	3.9	8
48	Functional consequences of actin nitration: in vitro and in disease states. <i>Amino Acids</i> , 2012 , 42, 65-74	3.5	8
47	Does circadian rhythm disruption induced by light-at-night has beneficial effect of melatonin on sciatic nerve injury?. <i>Journal of Chemical Neuroanatomy</i> , 2013 , 53, 18-24	3.2	8
46	N-acetyl cysteine, L-cysteine, and beta-mercaptoethanol augment selenium-glutathione peroxidase activity in glucose-6-phosphate dehydrogenase-deficient human erythrocytes. <i>Clinical and Experimental Medicine</i> , 2004 , 4, 50-5	4.9	8
45	Antiproliferative Effects of Thymoquinone in MCF-7 Breast and HepG2 Liver Cancer Cells: Possible Role of Ceramide and ER Stress. <i>Nutrition and Cancer</i> , 2021 , 73, 460-472	2.8	8
44	Metformin protects rotenone-induced dopaminergic neurodegeneration by reducing lipid peroxidation. <i>Pharmacological Reports</i> , 2020 , 72, 1397-1406	3.9	7
43	Increased Small Dense LDL and Decreased Paraoxonase Enzyme Activity Reveals Formation of an Atherogenic Risk in Streptozotocin-Induced Diabetic Guinea Pigs. <i>Journal of Diabetes Research</i> , 2013 , 2013, 860190	3.9	7
42	The effects of sulfite on cPLA, caspase-3, oxidative stress and locomotor activity in rats. <i>Food and Chemical Toxicology</i> , 2019 , 123, 453-458	4.7	7
41	Early postoperative changes of sphingomyelins and ceramides after laparoscopic sleeve gastrectomy. <i>Lipids in Health and Disease</i> , 2018 , 17, 269	4.4	7
40	Oxidative DNA Damage-Mediated Genomic Heterogeneity Is Regulated by NKX3.1 in Prostate Cancer. <i>Cancer Investigation</i> , 2019 , 37, 113-126	2.1	6
39	Pentoxifylline Alleviates Early Brain Injury in a Rat Model of Subarachnoid Hemorrhage. <i>Acta Neurochirurgica</i> , 2016 , 158, 1721-30	3	6
38	The effect of high-dose insulin analog initiation therapy on lipid peroxidation products and oxidative stress markers in type 2 diabetic patients. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 513742	6.7	6
37	Decreased eicosapentaenoic acid levels in acne vulgaris reveals the presence of a proinflammatory state. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 128-129, 1-7	3.7	5
36	The effect of ingested sulfite on visual evoked potentials, lipid peroxidation, and antioxidant status of brain in normal and sulfite oxidase-deficient aged rats. <i>Toxicology and Industrial Health</i> , 2016 , 32, 1197-207	1.8	5
35	The effect of chronic neuropeptide-S treatment on non-motor parameters in experimental model of Parkinson's disease. <i>International Journal of Neuroscience</i> , 2021 , 131, 765-774	2	5
34	Oxidases and oxygenases in regulation of neutrophil redox pathways in Behçet's disease patients. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012 , 27, 12-7	5.6	5

33	Effect of 20-HETE inhibition on L-NAME-induced hypertension in rats. <i>Clinical and Experimental Hypertension</i> , 2018 , 40, 292-302	2.2	4
32	Beneficial effects of docosahexaenoic acid on active avoidance performance in 1K-1C hypertensive rats. <i>Neurobiology of Learning and Memory</i> , 2007 , 87, 159-65	3.1	4
31	Evaluation of blood neutrophil to lymphocyte and platelet to lymphocyte ratios according to plasma glucose status and serum insulin-like growth factor 1 levels in patients with acromegaly. <i>Human and Experimental Toxicology</i> , 2016 , 35, 608-12	3.4	3
30	The effect of recombinant human granulocyte/macrophage-colony-stimulating factor (rHu GM-CSF) and rHu G-CSF administration on neutrophil chemiluminescence assay in patients following cyclic chemotherapy. <i>Cancer Immunology, Immunotherapy</i> , 1998 , 47, 176-81	7.4	3
29	Effect of intravenous nitroglycerin therapy on erythrocyte antioxidant enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005 , 20, 293-6	5.6	3
28	Increased PUFA levels in kidney epithelial cells in the course of diclofenac toxicity. <i>Toxicology in Vitro</i> , 2020 , 66, 104836	3.6	3
27	Protective mechanism of Syringic acid in an experimental model of Parkinson's disease. <i>Metabolic Brain Disease</i> , 2021 , 36, 1003-1014	3.9	3
26	Alleviation of prilocaine-induced epileptiform activity and cardiotoxicity by thymoquinone. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2021 , 29, 85-99	3.9	3
25	Serum Sphingolipidomic Analysis in Acne Vulgaris Patients. <i>Annals of Clinical and Laboratory Science</i> , 2019 , 49, 242-248	0.9	3
24	The effect of ingested sulfite on active avoidance in normal and sulfite oxidase-deficient aged rats. <i>Toxicology Mechanisms and Methods</i> , 2017 , 27, 81-87	3.6	2
23	Acetaminophen intoxication is associated with decreased serum paraoxonase and arylesterase activities and increased lipid hydroperoxide levels. <i>Human and Experimental Toxicology</i> , 2014 , 33, 1134-40	3.4	2
22	Plasma Polyunsaturated Fatty Acids After Weight Loss Surgery 2017 , 529-534		2
21	Protective effects of erdosteine on amikacin induced visual evoked potentials and lipid peroxidation alterations. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2011 , 27, 131-5	2.6	2
20	The influence of syringic acid treatment on total dopamine levels of the hippocampus and on cognitive behavioral skills. <i>International Journal of Neuroscience</i> , 2020 , 1-9	2	2
19	Effect of magnesium supplementation on blood rheology in NOS inhibition-induced hypertension model. <i>Clinical Hemorheology and Microcirculation</i> , 2016 , 63, 57-67	2.5	2
18	Effects of pre- and postnatal exposure to extremely low-frequency electric fields on mismatch negativity component of the auditory event-related potentials: Relation to oxidative stress. <i>Electromagnetic Biology and Medicine</i> , 2016 , 35, 245-59	2.2	2
17	Histopathological and biochemical assessment of a novel diagnostic method for ovarian torsion. <i>Biotechnic and Histochemistry</i> , 2020 , 95, 203-209	1.8	2
16	Organ function, sphingolipid levels and inflammation in tunicamycin induced endoplasmic reticulum stress in male rats. <i>Human and Experimental Toxicology</i> , 2021 , 40, 259-273	3.4	2

15	Plasma Ceramides and Sphingomyelins of Pediatric Patients Increase in Primary Ciliary Dyskinesia but Decrease in Cystic Fibrosis. <i>Lipids</i> , 2020 , 55, 213-223	1.6	1
14	Does ischemic preconditioning increase flap survival by ADORA2B receptor activation?. <i>Clinical Hemorheology and Microcirculation</i> , 2020 , 75, 151-162	2.5	1
13	Protein Targets and Functional Consequences of Tyrosine Nitration in Vascular Disease 2006 , 729-786		1
12	Knowledge, Attitudes And Behaviors Of Faculty Members On Childhood Vaccine Refusal A University. <i>European Journal of Public Health</i> , 2020 , 30,	2.1	1
11	The investigation of the role of sirtuin-1 on embryo implantation in oxidative stress-induced mice. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 2349-2361	3.4	1
10	Automated Cell-Based Quantitation of 8-OHdG Damage. <i>Methods in Molecular Biology</i> , 2016 , 1516, 299-308		1
9	Serum Levels of S100 β Neuron-Specific Enolase, Glial Fibrillary Acidic Protein in Kidney Transplant Recipients and Donors: A Prospective Cohort Study. <i>Transplantation Proceedings</i> , 2021 , 53, 2227-2233	1.1	1
8	Vortioxetine ameliorates motor and cognitive impairments in the rotenone-induced Parkinson's disease via targeting TLR-2 mediated neuroinflammation.. <i>Neuropharmacology</i> , 2022 , 208, 108977	5.5	0
7	Mass spectrometric quantification of urinary human liver fatty acid binding protein in renal transplant recipients. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 603-10	2.2	0
6	Diclofenac down-regulates COX-2 induced expression of CD44 and ICAM-1 in human HT29 colorectal cancer cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021 , 394, 2259-2272	3.4	0
5	Response to Letter to the editor by Agilli et al. entitled Assessment of decreased serum paraoxonase activity in patients with rosacea in terms of methodology <i>Journal of the European Academy of Dermatology and Venereology</i> , 2016 , 30, 698-9	4.6	
4	Effect of erythropoietin on heme oxygenase-1 enzyme activity in acute spinal cord injury in rats. <i>European Journal of Anaesthesiology</i> , 2014 , 31, 123	2.3	
3	Polyunsaturated Fatty Acid and Sphingolipid Measurements by Tandem Mass Spectrometry. <i>Mini-Reviews in Organic Chemistry</i> , 2021 , 18, 3-10	1.7	
2	Evaluation of Preoperative and Postoperative S100 β and NSE Levels in Liver Transplantation and Right Lobe Living-Donor Hepatectomy: A Prospective Cohort Study. <i>Transplantation Proceedings</i> , 2021 , 53, 16-24	1.1	
1	DICLOFENAC INDUCED GASTROINTESTINAL AND RENAL TOXICITY IS REDUCED BY THYMOQUINONE TREATMENT. <i>Pathophysiology</i> , 2018 , 25, 242	1.8	