

Babak Baban

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3901029/publications.pdf>

Version: 2024-02-01

90
papers

3,692
citations

159585

30
h-index

144013

57
g-index

95
all docs

95
docs citations

95
times ranked

5729
citing authors

#	ARTICLE	IF	CITATIONS
1	IDO Activates Regulatory T Cells and Blocks Their Conversion into Th17-Like T Cells. <i>Journal of Immunology</i> , 2009, 183, 2475-2483.	0.8	419
2	Medicine in the early twenty-first century: paradigm and anticipation - EPMA position paper 2016. <i>EPMA Journal</i> , 2016, 7, 23.	6.1	292
3	Human Neural Stem Cell Extracellular Vesicles Improve Tissue and Functional Recovery in the Murine Thromboembolic Stroke Model. <i>Translational Stroke Research</i> , 2018, 9, 530-539.	4.2	200
4	A minor population of splenic dendritic cells expressing CD19 mediates IDO-dependent T cell suppression via type I IFN signaling following B7 ligation. <i>International Immunology</i> , 2005, 17, 909-919.	4.0	181
5	Innate Immunity of Neonates and Infants. <i>Frontiers in Immunology</i> , 2018, 9, 1759.	4.8	178
6	Circulating mitochondrial DNA and Toll-like receptor 9 are associated with vascular dysfunction in spontaneously hypertensive rats. <i>Cardiovascular Research</i> , 2015, 107, 119-130.	3.8	149
7	Blood-brain barrier breakdown promotes macrophage infiltration and cognitive impairment in leptin receptor-deficient mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2108-2121.	4.3	137
8	Neutrophil extracellular traps exacerbate neurological deficits after traumatic brain injury. <i>Science Advances</i> , 2020, 6, eaax8847.	10.3	94
9	Selective activation of cannabinoid receptor-2 reduces neuroinflammation after traumatic brain injury via alternative macrophage polarization. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 224-237.	4.1	85
10	Female Spontaneously Hypertensive Rats Have a Compensatory Increase in Renal Regulatory T Cells in Response to Elevations in Blood Pressure. <i>Hypertension</i> , 2014, 64, 557-564.	2.7	79
11	Upregulation of Programmed Death-1 and Its Ligand in Cardiac Injury Models: Interaction with GADD153. <i>PLoS ONE</i> , 2015, 10, e0124059.	2.5	74
12	White matter damage after traumatic brain injury: A role for damage associated molecular patterns. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2614-2626.	3.8	73
13	Neurological consequences of COVID-19: what have we learned and where do we go from here?. <i>Journal of Neuroinflammation</i> , 2020, 17, 286.	7.2	71
14	Cannabidiol Modulates Cytokine Storm in Acute Respiratory Distress Syndrome Induced by Simulated Viral Infection Using Synthetic RNA. <i>Cannabis and Cannabinoid Research</i> , 2020, 5, 197-201.	2.9	69
15	Physiologic Control of IDO Competence in Splenic Dendritic Cells. <i>Journal of Immunology</i> , 2011, 187, 2329-2335.	0.8	66
16	Complement component 3a receptor deficiency attenuates chronic stress-induced monocyte infiltration and depressive-like behavior. <i>Brain, Behavior, and Immunity</i> , 2018, 70, 246-256.	4.1	62
17	Chronic Remote Ischemic Conditioning Is Cerebroprotective and Induces Vascular Remodeling in a VCID Model. <i>Translational Stroke Research</i> , 2018, 9, 51-63.	4.2	57
18	Remote ischemic post-conditioning promotes hematoma resolution via AMPK-dependent immune regulation. <i>Journal of Experimental Medicine</i> , 2018, 215, 2636-2654.	8.5	56

#	ARTICLE	IF	CITATIONS
19	Cannabinoids as a Potential New and Novel Treatment for Melanoma: A Pilot Study in a Murine Model. <i>Journal of Surgical Research</i> , 2019, 235, 210-215.	1.6	51
20	Activation of Myeloid TLR4 Mediates T Lymphocyte Polarization after Traumatic Brain Injury. <i>Journal of Immunology</i> , 2017, 198, 3615-3626.	0.8	50
21	Niacin modulates macrophage polarization in Parkinson's disease. <i>Journal of Neuroimmunology</i> , 2018, 320, 76-79.	2.3	48
22	Delayed Administration of Angiotensin II Type 2 Receptor (AT2R) Agonist Compound 21 Prevents the Development of Post-stroke Cognitive Impairment in Diabetes Through the Modulation of Microglia Polarization. <i>Translational Stroke Research</i> , 2020, 11, 762-775.	4.2	47
23	Cannabidiol (CBD) modulation of apelin in acute respiratory distress syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12869-12872.	3.6	47
24	Mitochondrial N-formyl peptides cause airway contraction and lung neutrophil infiltration via formyl peptide receptor activation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2016, 37, 49-56.	2.6	42
25	Endoplasmic reticulum stress response and inflammatory cytokines in type 2 diabetic nephropathy: Role of indoleamine 2,3-dioxygenase and programmed death-1. <i>Experimental and Molecular Pathology</i> , 2013, 94, 343-351.	2.1	41
26	Niacin Ameliorates Neuro-Inflammation in Parkinson's Disease via GPR109A. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4559.	4.1	39
27	Innate immunity and oral microbiome: a personalized, predictive, and preventive approach to the management of oral diseases. <i>EPMA Journal</i> , 2019, 10, 43-50.	6.1	38
28	Chronic ANG II infusion induces sex-specific increases in renal T cells in Sprague-Dawley rats. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F706-F712.	2.7	35
29	High-fat diet-induced hypertension is associated with a proinflammatory T cell profile in male and female Dahl salt-sensitive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1713-H1723.	3.2	33
30	Aryl hydrocarbon receptor agonist, leflunomide, protects the ischemic-reperfused kidney: role of Tregs and stem cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R1136-R1146.	1.8	30
31	Renal and glycemic effects of high-dose chromium picolinate in db/db mice: assessment of DNA damage. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 977-985.	4.2	28
32	Reciprocal relation between GADD153 and Del-1 in regulation of salivary gland inflammation in Sjögren syndrome. <i>Experimental and Molecular Pathology</i> , 2013, 95, 288-297.	2.1	28
33	Blood dendritic cells: canary in the coal mine to predict chronic inflammatory disease?. <i>Frontiers in Microbiology</i> , 2014, 5, 6.	3.5	27
34	Cannabidiol Ameliorates Cognitive Function via Regulation of IL-33 and TREM2 Upregulation in a Murine Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 973-977.	2.6	27
35	Increased Innate Lymphoid Cells in Periodontal Tissue of the Murine Model of Periodontitis: The Role of AMP-Activated Protein Kinase and Relevance for the Human Condition. <i>Frontiers in Immunology</i> , 2017, 8, 922.	4.8	26
36	Pressure Overload Regulates Expression of Cytokines, γ H2AX, and Growth Arrest- and DNA-Damage Inducible Protein 153 via Glycogen Synthase Kinase-3 β in Ischemic-Reperfused Hearts. <i>Hypertension</i> , 2013, 61, 95-104.	2.7	25

#	ARTICLE	IF	CITATIONS
37	Chloroquine Suppresses the Development of Hypertension in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2017, 30, 173-181.	2.0	25
38	Targeting the endocannabinoid system: a predictive, preventive, and personalized medicine-directed approach to the management of brain pathologies. <i>EPMA Journal</i> , 2020, 11, 217-250.	6.1	25
39	Factors Affecting the Composition of Expressed Fresh Human Milk. <i>Breastfeeding Medicine</i> , 2020, 15, 551-558.	1.7	24
40	The potential relationship between Flammer and Sjögren syndromes: the chime of dysfunction. <i>EPMA Journal</i> , 2017, 8, 333-338.	6.1	23
41	Presence and Profile of Innate Lymphoid Cells in Human Breast Milk. <i>JAMA Pediatrics</i> , 2018, 172, 594.	6.2	23
42	Oral NaHCO ₃ Activates a Splenic Anti-Inflammatory Pathway: Evidence That Cholinergic Signals Are Transmitted via Mesothelial Cells. <i>Journal of Immunology</i> , 2018, 200, 3568-3586.	0.8	22
43	SGK-1 Regulates Inflammation and Cell Death in the Ischemic-Reperfused Heart: Pressure-Related Effects. <i>American Journal of Hypertension</i> , 2014, 27, 846-856.	2.0	21
44	Type 1 interferon mediates chronic stress-induced neuroinflammation and behavioral deficits via complement component 3-dependent pathway. <i>Molecular Psychiatry</i> , 2021, 26, 3043-3059.	7.9	21
45	Rescuing mitochondria in traumatic brain injury and intracerebral hemorrhages - A potential therapeutic approach. <i>Neurochemistry International</i> , 2021, 150, 105192.	3.8	21
46	AMPK induces regulatory innate lymphoid cells after traumatic brain injury. <i>JCI Insight</i> , 2021, 6, .	5.0	21
47	Crosstalk between bone marrow-derived mesenchymal stem cells and regulatory T cells through a glucocorticoid-induced leucine zipper/developmental endothelial locus-1-dependent mechanism. <i>FASEB Journal</i> , 2015, 29, 3954-3963.	0.5	20
48	Targeting of 12/15-Lipoxygenase in retinal endothelial cells, but not in monocytes/macrophages, attenuates high glucose-induced retinal leukostasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 636-645.	2.4	19
49	Glucocorticoid-Induced Leucine Zipper Promotes Neutrophil and T-Cell Polarization with Protective Effects in Acute Kidney Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 483-493.	2.5	19
50	Stem cells and tooth regeneration: prospects for personalized dentistry. <i>EPMA Journal</i> , 2019, 10, 31-42.	6.1	19
51	Beige adipocytes mediate the neuroprotective and anti-inflammatory effects of subcutaneous fat in obese mice. <i>Nature Communications</i> , 2021, 12, 4623.	12.8	19
52	Human IDO-competent, long-lived immunoregulatory dendritic cells induced by intracellular pathogen, and their fate in humanized mice. <i>Scientific Reports</i> , 2017, 7, 41083.	3.3	18
53	Impact of cannabidiol treatment on regulatory T-17 cells and neutrophil polarization in acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1149-F1158.	2.7	18
54	Local delivery of simvastatin maintains tooth anchorage during mechanical tooth moving via anti-inflammation property and AMPK/MAPK/NF- κ B inhibition. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 333-344.	3.6	16

#	ARTICLE	IF	CITATIONS
55	Delayed Administration of Angiotensin Receptor (AT2R) Agonist C21 Improves Survival and Preserves Sensorimotor Outcomes in Female Diabetic Rats Post-Stroke through Modulation of Microglial Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1356.	4.1	16
56	Whole body vibration therapy: a novel potential treatment for type 2 diabetes mellitus. <i>SpringerPlus</i> , 2015, 4, 578.	1.2	14
57	The status of glucocorticoid-induced leucine zipper protein in the salivary glands in Sjögren's syndrome: predictive and prognostic potentials. <i>EPMA Journal</i> , 2015, 7, 3.	6.1	14
58	IL-10 treatment decreases blood pressure in male, but not female, spontaneously hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F359-F365.	2.7	14
59	Status of stem cells in diabetic nephropathy: predictive and preventive potentials. <i>EPMA Journal</i> , 2016, 7, 21.	6.1	13
60	Innate lymphoid cells: a paradigm for low SSI in left lip repair. <i>Journal of Surgical Research</i> , 2016, 205, 312-317.	1.6	12
61	Sodium bicarbonate loading limits tubular cast formation independent of glomerular injury and proteinuria in Dahl salt-sensitive rats. <i>Clinical Science</i> , 2018, 132, 1179-1197.	4.3	12
62	Renal distal tubule proliferation and increased aquaporin 2 level but decreased urine osmolality in db/db mouse: Treatment with chromium picolinate. <i>Experimental and Molecular Pathology</i> , 2012, 92, 54-58.	2.1	11
63	The role of GILZ in modulation of adaptive immunity in a murine model of myocardial infarction. <i>Experimental and Molecular Pathology</i> , 2017, 102, 408-414.	2.1	11
64	Diabetic Stroke Promotes a Sexually Dimorphic Expansion of T Cells. <i>NeuroMolecular Medicine</i> , 2019, 21, 445-453.	3.4	11
65	Infections of the lung: a predictive, preventive and personalized perspective through the lens of evolution, the emergence of SARS-CoV-2 and its pathogenesis. <i>EPMA Journal</i> , 2020, 11, 581-601.	6.1	11
66	Regulation of Innate Lymphoid Cells in Acute Kidney Injury: Crosstalk between Cannabidiol and GILZ. <i>Journal of Immunology Research</i> , 2020, 2020, 1-10.	2.2	11
67	Whole Body Vibration-Induced Omental Macrophage Polarization and Fecal Microbiome Modification in a Murine Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3125.	4.1	10
68	Necrosis Contributes to the Development of Hypertension in Male, but Not Female, Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2019, 74, 1524-1531.	2.7	10
69	A basic solution to activate the cholinergic anti-inflammatory pathway via the mesothelium?. <i>Pharmacological Research</i> , 2019, 141, 236-248.	7.1	10
70	Inflammaging and Cannabinoids. <i>Ageing Research Reviews</i> , 2021, 72, 101487.	10.9	10
71	The circadian expression of osteogenic factors in periodontal tissue loading mechanical force: new concepts of the personalized orthodontic care. <i>EPMA Journal</i> , 2019, 10, 13-20.	6.1	9
72	Niacin for Parkinson's disease. <i>Clinical and Experimental Neuroimmunology</i> , 2020, 11, 47-56.	1.0	9

#	ARTICLE	IF	CITATIONS
73	High Levels of Interferon-Alpha Expressing Macrophages in Human Breast Milk During SARS-CoV-2 Infection: A Case Report. <i>Breastfeeding Medicine</i> , 2021, 16, 439-442.	1.7	9
74	Role of glucocorticoid-induced leucine zipper (GILZ) in inflammatory bone loss. <i>PLoS ONE</i> , 2017, 12, e0181133.	2.5	9
75	Inhalant Cannabidiol Inhibits Glioblastoma Progression Through Regulation of Tumor Microenvironment. <i>Cannabis and Cannabinoid Research</i> , 2023, 8, 824-834.	2.9	9
76	Generation of <i>Fam83h</i> knockout mice by CRISPR/Cas9-mediated gene engineering. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11033-11043.	2.6	8
77	The Role of Indoleamine 2,3 Dioxygenase in Beneficial Effects of Stem Cells in Hind Limb Ischemia Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e95720.	2.5	8
78	A potential role for cannabichromene in modulating TRP channels during acute respiratory distress syndrome. <i>Journal of Cannabis Research</i> , 2021, 3, 45.	3.2	7
79	Emerging urinary alpha-synuclein and miRNA biomarkers in Parkinson's disease. <i>Metabolic Brain Disease</i> , 2022, 37, 1687-1696.	2.9	4
80	Metagenomic analysis of the microbiome of the upper reproductive tract: combating ovarian cancer through predictive, preventive, and personalized medicine. <i>EPMA Journal</i> , 2022, 13, 487-498.	6.1	4
81	Tissue Dynamics. <i>Annals of Plastic Surgery</i> , 2016, 77, S87-S91.	0.9	3
82	Effect of Everolimus versus Bone Marrow-Derived Stem Cells on Glomerular Injury in a Rat Model of Glomerulonephritis: A Preventive, Predictive and Personalized Implication. <i>International Journal of Molecular Sciences</i> , 2022, 23, 344.	4.1	3
83	EPS8 phosphorylation by Src modulates its oncogenic functions. <i>British Journal of Cancer</i> , 2020, 123, 1078-1088.	6.4	2
84	Combination of C21 and ARBs with rhACE2 as a therapeutic protocol: A new promising approach for treating ARDS in patients with coronavirus infection. <i>Medical Journal of the Islamic Republic of Iran</i> , 2020, 34, 120.	0.9	1
85	Use of a new, simple, laboratory method for screening the antimicrobial and antiviral properties of hand sanitizers. <i>American Journal of Dentistry</i> , 2012, 25, 327-31.	0.1	1
86	Maternal milk ILCs and adaptive immune cells populate neonatal organs. <i>Cellular and Molecular Immunology</i> , 2020, 17, 665-667.	10.5	0
87	Renoprotective effects of everolimus vs. bone marrow-derived stem cells in rat model of glomerulonephritis. <i>FASEB Journal</i> , 2018, 32, 849.20.	0.5	0
88	Cepharanthine improves glycemic status and slows the progression of renal and vascular injury in streptozotocin-induced diabetic rats. <i>FASEB Journal</i> , 2018, 32, 851.11.	0.5	0
89	Disruption of mesothelial connections to the spleen inhibits splenic anti-inflammatory responses and protects from the development of insulin resistance in rats. <i>FASEB Journal</i> , 2019, 33, 740.4.	0.5	0
90	Conditioning medicine for ischemic and hemorrhagic stroke. <i>Conditioning Medicine</i> , 2021, 4, 124-129.	1.3	0