Sheikh Fayaz Ahmad

List of Publications by Citations

159 papers	3,034 citations	31 h-index	43 g-index
168 ext. papers	4,094 ext. citations	4.9 avg, IF	5.41 L-index

#	Paper	IF	Citations
159	Immunomodulatory effect of bergenin and norbergenin against adjuvant-induced arthritis--a flow cytometric study. *Journal of Ethnopharmacology*, **2007**, 112, 401-5	5	91
158	Dysregulation of Th1, Th2, Th17, and T regulatory cell-related transcription factor signaling in children with autism. *Molecular Neurobiology*, **2017**, 54, 4390-4400	6.2	77
157	Regulation of TNF- and NF-B activation through the JAK/STAT signaling pathway downstream of histamine 4 receptor in a rat model of LPS-induced joint inflammation. *Immunobiology*, **2015**, 220, 889-98	3.4	73
156	Imiquimod-induced psoriasis-like skin inflammation is suppressed by BET bromodomain inhibitor in mice through RORC/IL-17A pathway modulation. *Pharmacological Research*, **2015**, 99, 248-57	10.2	67
155	IL-17A causes depression-like symptoms via NFB and p38MAPK signaling pathways in mice: Implications for psoriasis associated depression. *Cytokine*, **2017**, 97, 14-24	4	58
154	Diosmin downregulates the expression of T cell receptors, pro-inflammatory cytokines and NF-B activation against LPS-induced acute lung injury in mice. *Pharmacological Research*, **2015**, 102, 1-11	10.2	58
153	Dexamethasone Attenuates LPS-induced Acute Lung Injury through Inhibition of NF-B, COX-2, and Pro-inflammatory Mediators. *Immunological Investigations*, **2016**, 45, 349-69	2.9	57
152	Resveratrol Ameliorates Dysregulation of Th1, Th2, Th17, and T Regulatory Cell-Related Transcription Factor Signaling in a BTBR T+ Itf/J Mouse Model of Autism. *Molecular Neurobiology*, **2017**, 54, 5201-5212	6.2	56
151	Suppression of T lymphocyte activity by lupeol isolated from Crataeva religiosa. *Phytotherapy Research*, **2006**, 20, 279-87	6.7	55
150	Toll-like receptor 4 signaling is associated with upregulated NADPH oxidase expression in peripheral T cells of children with autism. *Brain, Behavior, and Immunity*, **2017**, 61, 146-154	16.6	54
149	Sinapic acid ameliorate cadmium-induced nephrotoxicity: In vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF-B downregulation. *Environmental Toxicology and Pharmacology*, **2017**, 51, 100-107	5.8	51
148	Activation of IL-17 receptor leads to increased oxidative inflammation in peripheral monocytes of autistic children. *Brain, Behavior, and Immunity*, **2018**, 67, 335-344	16.6	47
147	Amelioration of autoimmune arthritis by naringin through modulation of T regulatory cells and Th1/Th2 cytokines. *Cellular Immunology*, **2014**, 287, 112-20	4.4	47
146	Amelioration of adjuvant-induced arthritis by ursolic acid through altered Th1/Th2 cytokine production. *Pharmacological Research*, **2006**, 53, 233-40	10.2	46
145	Selective Th1 up-regulating activity of Withania somnifera aqueous extract in an experimental system using flow cytometry. *Journal of Ethnopharmacology*, **2006**, 107, 107-15	5	46
144	Naringin attenuates the development of carrageenan-induced acute lung inflammation through inhibition of NF-B, STAT3 and pro-inflammatory mediators and enhancement of IB and anti-inflammatory cytokines. *Inflammation*, **2015**, 38, 846-57	5.1	41
143	Immunosuppressive properties of an ethyl acetate fraction from Euphorbia royleana. *Journal of Ethnopharmacology*, **2005**, 99, 185-92	5	41

142	Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats. *Life Sciences*, **2016**, 165, 1-8	6.8	41
141	Imbalance between the anti- and pro-inflammatory milieu in blood leukocytes of autistic children. *Molecular Immunology*, **2017**, 82, 57-65	4.3	39
140	Augmentation and proliferation of T lymphocytes and Th-1 cytokines by Withania somnifera in stressed mice. *International Immunopharmacology*, **2006**, 6, 1394-403	5.8	39
139	Poly(ADP-ribose) polymerase-1 inhibitor modulates T regulatory and IL-17 cells in the prevention of adjuvant induced arthritis in mice model. *Cytokine*, **2014**, 68, 76-85	4	38
138	Grape seed proanthocyanidin extract has potent anti-arthritic effects on collagen-induced arthritis by modifying the T cell balance. *International Immunopharmacology*, **2013**, 17, 79-87	5.8	38
137	Carbon tetrachloride-induced hepatotoxicity in rat is reversed by treatment with riboflavin. *International Immunopharmacology*, **2014**, 21, 383-8	5.8	37
136	Nrf2 activator, sulforaphane ameliorates autism-like symptoms through suppression of Th17 related signaling and rectification of oxidant-antioxidant imbalance in periphery and brain of BTBR T+tf/J mice. *Behavioural Brain Research*, **2019**, 364, 213-224	3.4	36
135	Short chain fatty acid, acetate ameliorates sepsis-induced acute kidney injury by inhibition of NADPH oxidase signaling in T cells. *International Immunopharmacology*, **2018**, 58, 24-31	5.8	34
134	Proteinase activated receptor-2-mediated dual oxidase-2 up-regulation is involved in enhanced airway reactivity and inflammation in a mouse model of allergic asthma. *Immunology*, **2015**, 145, 391-403	7.8	34
133	Adenosine A2A receptor modulates neuroimmune function through Th17/retinoid-related orphan receptor gamma t (RORΓ) signaling in a BTBR T Itpr3/J mouse model of autism. *Cellular Signalling*, **2017**, 36, 14-24	4.9	32
132	GPR43 activation enhances psoriasis-like inflammation through epidermal upregulation of IL-6 and dual oxidase 2 signaling in a murine model. *Cellular Signalling*, **2017**, 33, 59-68	4.9	31
131	Resveratrol attenuates pro-inflammatory cytokines and activation of JAK1-STAT3 in BTBR T Itpr3/J autistic mice. *European Journal of Pharmacology*, **2018**, 829, 70-78	5.3	31
130	TLR-7 agonist attenuates airway reactivity and inflammation through Nrf2-mediated antioxidant protection in a murine model of allergic asthma. *International Journal of Biochemistry and Cell Biology*, **2016**, 73, 53-62	5.6	31
129	STA-21, a STAT-3 inhibitor, attenuates the development and progression of inflammation in collagen antibody-induced arthritis. *Immunobiology*, **2017**, 222, 206-217	3.4	31
128	Resveratrol treatment attenuates chemokine receptor expression in the BTBR T+tf/J mouse model of autism. *Molecular and Cellular Neurosciences*, **2016**, 77, 1-10	4.8	31
127	CXCR3 antagonist AMG487 suppresses rheumatoid arthritis pathogenesis and progression by shifting the Th17/Treg cell balance. *Cellular Signalling*, **2019**, 64, 109395	4.9	30
126	Upregulation of IL-9 and JAK-STAT signaling pathway in children with autism. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 79, 472-480	5.5	30
125	Thymoquinone inhibits growth of human medulloblastoma cells by inducing oxidative stress and caspase-dependent apoptosis while suppressing NF-Β signaling and IL-8 expression. *Molecular and Cellular Biochemistry*, **2016**, 416, 141-55	4.2	30

124	Molecular mechanisms of cardiotoxicity of gefitinib in vivo and in vitro rat cardiomyocyte: Role of apoptosis and oxidative stress. *Toxicology Letters*, **2016**, 252, 50-61	4.4	30
123	Resveratrol Improves Neuroimmune Dysregulation Through the Inhibition of Neuronal Toll-Like Receptors and COX-2 Signaling in BTBR T Itpr3/J Mice. *NeuroMolecular Medicine*, **2018**, 20, 133-146	4.6	29
122	Amelioration of sepsis-induced acute kidney injury through inhibition of inflammatory cytokines and oxidative stress in dendritic cells and neutrophils respectively in mice: Role of spleen tyrosine kinase signaling. *Biochimie*, **2019**, 158, 102-110	4.6	29
121	Grape seed proanthocyanidin extract protects against carrageenan-induced lung inflammation in mice through reduction of pro-inflammatory markers and chemokine expressions. *Inflammation*, **2014**, 37, 500-11	5.1	28
120	Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model. *Biochemical Pharmacology*, **2017**, 124, 69-82	6	27
119	Oxidative airway inflammation leads to systemic and vascular oxidative stress in a murine model of allergic asthma. *International Immunopharmacology*, **2015**, 26, 237-45	5.8	27
118	The role of poly(ADP-ribose) polymerase-1 inhibitor in carrageenan-induced lung inflammation in mice. *Molecular Immunology*, **2015**, 63, 394-405	4.3	27
117	Apremilast reversed carfilzomib-induced cardiotoxicity through inhibition of oxidative stress, NF-Β and MAPK signaling in rats. *Toxicology Mechanisms and Methods*, **2016**, 26, 700-708	3.6	26
116	Involvement of histamine 4 receptor in the pathogenesis and progression of rheumatoid arthritis. *International Immunology*, **2014**, 26, 325-40	4.9	26
115	Differential regulation of Nrf2 is linked to elevated inflammation and nitrative stress in monocytes of children with autism. *Psychoneuroendocrinology*, **2020**, 113, 104554	5	26
114	Increased oxidative stress in the cerebellum and peripheral immune cells leads to exaggerated autism-like repetitive behavior due to deficiency of antioxidant response in BTBR T + tf/J mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 89, 245-253	5.5	26
113	Wogonin attenuates etoposide-induced oxidative DNA damage and apoptosis via suppression of oxidative DNA stress and modulation of OGG1 expression. *Food and Chemical Toxicology*, **2013**, 59, 724-30	4.7	24
112	The tyrosine kinase inhibitor tyrphostin AG126 reduces activation of inflammatory cells and increases Foxp3 regulatory T cells during pathogenesis of rheumatoid arthritis. *Molecular Immunology*, **2016**, 78, 65-78	4.3	24
111	Histamine 4 receptor promotes expression of costimulatory B7.1/B7.2 molecules, CD28 signaling and cytokine production in stress-induced immune responses. *Journal of Neuroimmunology*, **2015**, 289, 30-42	3.5	23
110	Therapeutic treatment with Ibrutinib attenuates imiquimod-induced psoriasis-like inflammation in mice through downregulation of oxidative and inflammatory mediators in neutrophils and dendritic cells. *European Journal of Pharmacology*, **2020**, 877, 173088	5.3	23
109	Systemic inflammation in asocial BTBR T tf/J mice predisposes them to increased psoriatic inflammation. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 83, 8-17	5.5	22
108	Dysregulated enzymatic antioxidant network in peripheral neutrophils and monocytes in children with autism. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 88, 352-359	5.5	22
107	Toll-like receptors, NF-Β, and IL-27 mediate adenosine A2A receptor signaling in BTBR T Itpr3/J mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 79, 184-191	5.5	22

106	Oxidative and inflammatory mediators are upregulated in neutrophils of autistic children: Role of IL-17A receptor signaling. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 90, 204-211	5.5	22
105	Design and Synthesis of N-Arylphthalimides as Inhibitors of Glucocorticoid-Induced TNF Receptor-Related Protein, Proinflammatory Mediators, and Cytokines in Carrageenan-Induced Lung Inflammation. *Journal of Medicinal Chemistry*, **2015**, 58, 8850-67	8.3	21
104	Activation of adenosine A2A receptor signaling regulates the expression of cytokines associated with immunologic dysfunction in BTBR T Itpr3/J mice. *Molecular and Cellular Neurosciences*, **2017**, 82, 76-87	4.8	20
103	Stimulation of the histamine 4 receptor with 4-methylhistamine modulates the effects of chronic stress on the Th1/Th2 cytokine balance. *Immunobiology*, **2015**, 220, 341-9	3.4	20
102	Mitogen-activated protein kinases pathways mediate the sunitinib-induced hypertrophy in rat cardiomyocyte H9c2 cells. *Cardiovascular Toxicology*, **2015**, 15, 41-51	3.4	20
101	Attenuation of the progression of adjuvant-induced arthritis by 3-aminobenzamide treatment. *International Immunopharmacology*, **2014**, 19, 52-9	5.8	20
100	Dysregulation in IL-6 receptors is associated with upregulated IL-17A related signaling in CD4+ T cells of children with autism. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2020**, 97, 109783	5.5	20
99	Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model. *Immunobiology*, **2017**, 222, 128-136	3.4	19
98	Glucose-6-phosphate dehydrogenase inhibition attenuates acute lung injury through reduction in NADPH oxidase-derived reactive oxygen species. *Clinical and Experimental Immunology*, **2018**, 191, 279-287	6.2	19
97	Psoriasis-like inflammation leads to renal dysfunction via upregulation of NADPH oxidases and inducible nitric oxide synthase. *International Immunopharmacology*, **2017**, 46, 1-8	5.8	18
96	Plasticizer, di(2-ethylhexyl)phthalate (DEHP) enhances cockroach allergen extract-driven airway inflammation by enhancing pulmonary Th2 as well as Th17 immune responses in mice. *Environmental Research*, **2018**, 164, 327-339	7.9	18
95	Role of a histamine 4 receptor as an anti-inflammatory target in carrageenan-induced pleurisy in mice. *Immunology*, **2014**, 142, 374-83	7.8	18
94	Immunomodulatory activity of isoflavones isolated from Iris germanica (Iridaceae) on T-lymphocytes and cytokines. *Phytotherapy Research*, **2009**, 23, 428-33	6.7	18
93	Inhibition of spleen tyrosine kinase attenuates psoriasis-like inflammation in mice through blockade of dendritic cell-Th17 inflammation axis. *Biomedicine and Pharmacotherapy*, **2019**, 111, 347-358	7.5	18
92	ID2 mediates the transforming growth factor-1-induced Warburg-like effect seen in the peritoneum of women with endometriosis. *Molecular Human Reproduction*, **2016**, 22, 648-54	4.4	17
91	Airway oxidative stress causes vascular and hepatic inflammation via upregulation of IL-17A in a murine model of allergic asthma. *International Immunopharmacology*, **2016**, 34, 173-182	5.8	17
90	Blockade of interleukin-2-inducible T-cell kinase signaling attenuates acute lung injury in mice through adjustment of pulmonary Th17/Treg immune responses and reduction of oxidative stress. *International Immunopharmacology*, **2020**, 83, 106369	5.8	16
89	CXC chemokine receptor 3 antagonist AMG487 shows potent anti-arthritic effects on collagen-induced arthritis by modifying B cell inflammatory profile. *Immunology Letters*, **2020**, 225, 74-81	4.1	16

88	Bruton's tyrosine kinase inhibitor suppresses imiquimod-induced psoriasis-like inflammation in mice through regulation of IL-23/IL-17A in innate immune cells. *International Immunopharmacology*, **2020**, 80, 106215	5.8	16
87	Upregulation of peripheral CXC and CC chemokine receptor expression on CD4 T cells is associated with immune dysregulation in children with autism. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 81, 211-220	5.5	16
86	1,3-Glucan reverses aflatoxin B1-mediated suppression of immune responses in mice. *Life Sciences*, **2016**, 152, 1-13	6.8	16
85	Genotoxic evaluation of chloroacetonitrile in murine marrow cells and effects on DNA damage repair gene expressions. *Mutagenesis*, **2014**, 29, 55-62	2.8	15
84	Adenosine A2A receptor signaling affects IL-21/IL-22 cytokines and GATA3/T-bet transcription factor expression in CD4 T cells from a BTBR T Itpr3tf/J mouse model of autism. *Journal of Neuroimmunology*, **2017**, 311, 59-67	3.5	15
83	Downregulation of pro-inflammatory cytokines by lupeol measured using cytometric bead array immunoassay. *Phytotherapy Research*, **2010**, 24, 9-13	6.7	15
82	Insight into the Loading and Release Properties of an Exfoliated Kaolinite/Cellulose Fiber (EXK/CF) Composite as a Carrier for Oxaliplatin Drug: Cytotoxicity and Release Kinetics. *ACS Omega*, **2020**, 5, 19165-19173	3.9	15
81	Inhibition of BET bromodomains restores corticosteroid responsiveness in a mixed granulocytic mouse model of asthma. *Biochemical Pharmacology*, **2018**, 154, 222-233	6	15
80	Sulforaphane treatment reverses corticosteroid resistance in a mixed granulocytic mouse model of asthma by upregulation of antioxidants and attenuation of Th17 immune responses in the airways. *European Journal of Pharmacology*, **2019**, 855, 276-284	5.3	14
79	Nano-erythrocyte membrane-chaperoned 5-fluorouracil liposomes as biomimetic delivery platforms to target hepatocellular carcinoma cell lines. *Artificial Cells, Nanomedicine and Biotechnology*, **2019**, 47, 989-996	6.1	13
78	Anti-inflammatory effect of Euphorbia hirta in an adjuvant-induced arthritic murine model. *Immunological Investigations*, **2014**, 43, 197-211	2.9	13
77	IQGAP1 gene silencing induces apoptosis and decreases the invasive capacity of human hepatocellular carcinoma cells. *Tumor Biology*, **2016**, 37, 13927-13939	2.9	13
76	The PPAR agonist GW0742 restores neuroimmune function by regulating Tim-3 and Th17/Treg-related signaling in the BTBR autistic mouse model. *Neurochemistry International*, **2018**, 120, 251-261	4.4	13
75	Selective modulation of the prostaglandin F2 pathway markedly impacts on endometriosis progression in a xenograft mouse model. *Molecular Human Reproduction*, **2015**, 21, 905-16	4.4	12
74	Aroclor 1254-induced genotoxicity in male gonads through oxidatively damaged DNA and inhibition of DNA repair gene expression. *Mutagenesis*, **2014**, 29, 379-84	2.8	12
73	Inhibition of interleukin-2-inducible T-cell kinase causes reduction in imiquimod-induced psoriasiform inflammation through reduction of Th17 cells and enhancement of Treg cells in mice. *Biochimie*, **2020**, 179, 146-156	4.6	12
72	Chemokine Receptor 5 Antagonism Causes Reduction in Joint Inflammation in a Collagen-Induced Arthritis Mouse Model. *Molecules*, **2021**, 26,	4.8	12
71	Alleviation of Aflatoxin B1-Induced Genomic Damage by Proanthocyanidins via Modulation of DNA Repair. *Journal of Biochemical and Molecular Toxicology*, **2016**, 30, 559-566	3.4	12

70	Bruton's tyrosine kinase inhibition attenuates oxidative stress in systemic immune cells and renal compartment during sepsis-induced acute kidney injury in mice. *International Immunopharmacology*, **2021**, 90, 107123	5.8	12
69	IL-17A-induced neutrophilic airway inflammation is mediated by oxidant-antioxidant imbalance and inflammatory cytokines in mice. *Biomedicine and Pharmacotherapy*, **2018**, 107, 1196-1204	7.5	12
68	Acute lung injury leads to depression-like symptoms through upregulation of neutrophilic and neuronal NADPH oxidase signaling in a murine model. *International Immunopharmacology*, **2017**, 47, 218-226	5.8	11
67	Antimicrobial, anticancer, and antioxidant compounds from Premna resinosa growing in Saudi Arabia. *Pharmaceutical Biology*, **2017**, 55, 1759-1766	3.8	11
66	Inhibition of Bruton's tyrosine kinase and IL-2 inducible T-cell kinase suppresses both neutrophilic and eosinophilic airway inflammation in a cockroach allergen extract-induced mixed granulocytic mouse model of asthma using preventative and therapeutic strategy. *Pharmacological Research*, **2019**, 148, 104441	10.2	11
65	Genetic and epigenetic alterations induced by the small-molecule panobinostat: A mechanistic study at the chromosome and gene levels. *DNA Repair*, **2019**, 78, 70-80	4.3	11
64	Immune Alterations in CD8 T Cells Are Associated with Neuronal C-C and C-X-C Chemokine Receptor Regulation Through Adenosine A2A Receptor Signaling in a BTBR T Itpr3/J Autistic Mouse Model. *Molecular Neurobiology*, **2018**, 55, 2603-2616	6.2	11
63	Inhibition of spleen tyrosine kinase signaling protects against acute lung injury through blockade of NADPH oxidase and IL-17A in neutrophils and γδT cells respectively in mice. *International Immunopharmacology*, **2019**, 68, 39-47	5.8	11
62	Aggravation of autism-like behavior in BTBR T+tf/J mice by environmental pollutant, di-(2-ethylhexyl) phthalate: Role of nuclear factor erythroid 2-related factor 2 and oxidative enzymes in innate immune cells and cerebellum. *International Immunopharmacology*, **2021**, 91, 107323	5.8	11
61	CXCR3 antagonist AMG487 inhibits glucocorticoid-induced tumor necrosis factor-receptor-related protein and inflammatory mediators in CD45 expressing cells in collagen-induced arthritis mouse model. *International Immunopharmacology*, **2020**, 84, 106494	5.8	10
60	TNF-α inhibitory effect of Euphorbia hirta in rats. *Pharmaceutical Biology*, **2013**, 51, 411-7	3.8	10
59	Elevated IL-16 expression is associated with development of immune dysfunction in children with autism. *Psychopharmacology*, **2019**, 236, 831-838	4.7	10
58	Protease activated receptor-2 mediated upregulation of IL-17 receptor signaling on airway epithelial cells is responsible for neutrophilic infiltration during acute exposure of house dust mite allergens in mice. *Chemico-Biological Interactions*, **2019**, 304, 52-60	5	9
57	Downregulation in Helios transcription factor signaling is associated with immune dysfunction in blood leukocytes of autistic children. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 85, 98-104	5.5	9
56	Impact of dexrazoxane on doxorubicin-induced aneuploidy in somatic and germinal cells of male mice. *Cancer Chemotherapy and Pharmacology*, **2016**, 77, 27-33	3.5	9
55	The influence of lentinan on the capacity of repair of DNA damage and apoptosis induced by paclitaxel in mouse bone marrow cells. *Journal of Biochemical and Molecular Toxicology*, **2013**, 27, 370-7	3.4	9
54	Dysregulation of T cell immunoglobulin and mucin domain 3 (TIM-3) signaling in peripheral immune cells is associated with immune dysfunction in autistic children. *Molecular Immunology*, **2019**, 106, 77-86	4.3	9
53	Protection by tyrosine kinase inhibitor, tyrphostin AG126, through the suppression of IL-17A, RORγt, and T-bet signaling, in the BTBR mouse model of autism. *Brain Research Bulletin*, **2018**, 142, 328-337	3.9	9

52	5-aminoisoquinolinone attenuates social behavior deficits and immune abnormalities in the BTBR T Itpr3/J mouse model for autism. *Pharmacology Biochemistry and Behavior*, **2020**, 189, 172859	3.9	8
51	Investigation of belinostat-induced genomic instability by molecular cytogenetic analysis and pathway-focused gene expression profiling. *Toxicology and Applied Pharmacology*, **2018**, 350, 43-51	4.6	8
50	Immunogenetic Management Software: a new tool for visualization and analysis of complex immunogenetic datasets. *Immunogenetics*, **2012**, 64, 329-36	3.2	8
49	Germ cell mutagenicity of topoisomerase I inhibitor topotecan detected in the male mouse-dominant lethal study. *Food and Chemical Toxicology*, **2013**, 62, 470-4	4.7	8
48	S3I-201, a selective Stat3 inhibitor, restores neuroimmune function through upregulation of Treg signaling in autistic BTBR T Itpr3/J mice. *Cellular Signalling*, **2018**, 52, 127-136	4.9	8
47	Involvement of CD45 cells in the development of autism spectrum disorder through dysregulation of granulocyte-macrophage colony-stimulating factor, key inflammatory cytokines, and transcription factors. *International Immunopharmacology*, **2020**, 83, 106466	5.8	7
46	The potent immunomodulatory compound VGX-1027 regulates inflammatory mediators in CD4 T cells, which are concomitant with the prevention of neuroimmune dysregulation in BTBR T Itpr3/J mice. *Life Sciences*, **2019**, 237, 116930	6.8	7
45	Dexrazoxane Averts Idarubicin-Evoked Genomic Damage by Regulating Gene Expression Profiling Associated With the DNA Damage-Signaling Pathway in BALB/c Mice. *Toxicological Sciences*, **2017**, 160, 161-172	4.4	7
44	Ubiquitous plasticizer, Di-(2-ethylhexyl) phthalate enhances existing inflammatory profile in monocytes of children with autism. *Toxicology*, **2020**, 446, 152597	4.4	7
43	Elevated expression of toll-like receptor 4 is associated with NADPH oxidase-induced oxidative stress in B cells of children with autism. *International Immunopharmacology*, **2020**, 84, 106555	5.8	6
42	The Stat3 inhibitor, S3I-201, downregulates lymphocyte activation markers, chemokine receptors, and inflammatory cytokines in the BTBR T Itpr3/J mouse model of autism. *Brain Research Bulletin*, **2019**, 152, 27-34	3.9	6
41	Study of the therapeutic effects of Lactobacillus and □lipoic acid against dimethylnitrosamine-induced liver fibrosis in rats. *Journal of Genetic Engineering and Biotechnology*, **2014**, 12, 135-142	3.1	6
40	Gene expression of IQGAPs and Ras families in an experimental mouse model for hepatocellular carcinoma: a mechanistic study of cancer progression. *International Journal of Clinical and Experimental Pathology*, **2015**, 8, 8821-31	1.4	6
39	Inhibition of tyrosine kinase signaling by tyrphostin AG126 downregulates the IL-21/IL-21R and JAK/STAT pathway in the BTBR mouse model of autism. *NeuroToxicology*, **2020**, 77, 1-11	4.4	6
38	Exposure to the plasticizer, Di-(2-ethylhexyl) phthalate during juvenile period exacerbates autism-like behavior in adult BTBR T□+□tf/J mice due to DNA hypomethylation and enhanced inflammation in brain and systemic immune cells. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 109, 110249	5.5	6
37	Dysregulation of Ki-67 Expression in T Cells of Children with Autism Spectrum Disorder. *Children*, **2021**, 8,	2.8	6
36	Dysregulation of the expression of HLA-DR, costimulatory molecule, and chemokine receptors on immune cells in children with autism. *International Immunopharmacology*, **2018**, 65, 360-365	5.8	6
35	The histamine-4 receptor antagonist JNJ7777120 prevents immune abnormalities by inhibiting RORγ/T-bet transcription factor signaling pathways in BTBR T Itpr3/J mice exposed to gamma rays. *Molecular Immunology*, **2019**, 114, 561-570	4.3	5

34	Assessment of DNA repair efficiency in the inbred BTBR Ttf/J autism spectrum disorder mouse model exposed to gamma rays and treated with JNJ7777120. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 93, 189-196	5.5	5
33	Systemic TNF- blockade attenuates anxiety and depressive-like behaviors in mice through downregulation of inflammatory signaling in peripheral immune cells. *Saudi Pharmaceutical Journal* , **2020**, 28, 621-629	4.4	5
32	Dominant lethal effects of nocodazole in germ cells of male mice. *Food and Chemical Toxicology*, **2015**, 77, 101-4	4.7	5
31	Aneugenic effects of epirubicin in somatic and germinal cells of male mice. *PLoS ONE*, **2014**, 9, e109942	3.7	5
30	Immunosuppressive effects of Euphorbia hirta in experimental animals. *Inflammopharmacology*, **2013**, 21, 161-8	5.1	5
29	Modulation of Th1 cytokines and inflammatory mediators by Euphorbia hirta in animal model of adjuvant-induced arthritis. *Inflammopharmacology*, **2013**, 21, 365-75	5.1	5
28	Imbalance in pro-inflammatory and anti-inflammatory cytokines milieu in B cells of children with autism.. *Molecular Immunology*, **2021**, 141, 297-304	4.3	5
27	Upregulation of interleukin (IL)-31, a cytokine producing CXCR1 peripheral immune cells, contributes to the immune abnormalities of autism spectrum disorder. *Journal of Neuroimmunology* , **2020**, 349, 577430	3.5	5
26	Pharmacological Inhibition of STAT3 by Stattic Ameliorates Clinical Symptoms and Reduces Autoinflammation in Myeloid, Lymphoid, and Neuronal Tissue Compartments in Relapsing-Remitting Model of Experimental Autoimmune Encephalomyelitis in SJL/J Mice. *Pharmaceutics*, **2021**, 13,	6.4	5
25	Genetic characterization and assessment of diversity in Pandharpuri buffalo breed of India using heterologous microsatellite markers. *Animal Biotechnology*, **2020**, 31, 426-431	1.4	5
24	Genetic parameters of pre-weaning weights in crossbred piglets using multi-trait animal model. *Tropical Animal Health and Production*, **2020**, 52, 109-114	1.7	5
23	Honey bee is a potential antioxidant against cyclophosphamide-induced genotoxicity in albino male mice. *Pakistan Journal of Pharmaceutical Sciences*, **2015**, 28, 973-81	0.4	5
22	DAPTA, a C-C chemokine receptor 5 (CCR5) antagonist attenuates immune aberrations by downregulating Th9/Th17 immune responses in BTBR T Itpr3tf/J mice. *European Journal of Pharmacology*, **2019**, 846, 100-108	5.3	4
21	Vorinostat is genotoxic and epigenotoxic in the mouse bone marrow cells at the human equivalent doses. *Toxicology*, **2020**, 441, 152507	4.4	4
20	Dexrazoxane mitigates epirubicin-induced genotoxicity in mice bone marrow cells. *Mutagenesis*, **2016**, 31, 137-45	2.8	4
19	Sinapic acid ameliorates D-galactosamine/lipopolysaccharide-induced fulminant hepatitis in rats: Role of nuclear factor erythroid-related factor 2/heme oxygenase-1 pathways. *World Journal of Gastroenterology*, **2021**, 27, 592-608	5.6	4
18	Role of ITK signaling in acute kidney injury in mice: Amelioration of acute kidney injury associated clinical parameters and attenuation of inflammatory transcription factor signaling in CD4+ T cells by ITK inhibition. *International Immunopharmacology*, **2021**, 99, 108028	5.8	4
17	Evaluation of DNA repair efficiency in autistic children by molecular cytogenetic analysis and transcriptome profiling. *DNA Repair*, **2020**, 85, 102750	4.3	3

16	Synthesis of exfoliate bentonite/cellulose nanocomposite as a delivery system for Oxaliplatin drug with enhanced loading and release properties; cytotoxicity and pharmacokinetic studies. *Chemical Physics Letters*, **2020**, 755, 137818	2.5	3
15	5-Aminoisoquinolinone, a PARP-1 Inhibitor, Ameliorates Immune Abnormalities through Upregulation of Anti-Inflammatory and Downregulation of Inflammatory Parameters in T Cells of BTBR Mouse Model of Autism. *Brain Sciences*, **2021**, 11,	3.4	3
14	Upregulation of enzymatic antioxidants in CD4 T cells of autistic children. *Biochimie*, **2020**, 171-172, 205-212	4.2	2
13	Methylmercury chloride exposure aggravates proinflammatory mediators and Notch-1 signaling in CD14 and CD40 cells and is associated with imbalance of neuroimmune function in BTBR T Itpr3tf/J mice. *NeuroToxicology*, **2021**, 82, 9-17	4.4	2
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