

Mushtaq Ahmad Ansari

List of Publications by Year in descending order

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96
papers

3,090
citations

117625

34
h-index

197818

49
g-index

97
all docs

97
docs citations

97
times ranked

3692
citing authors

#	ARTICLE	IF	CITATIONS
1	Momordica charantia polysaccharides ameliorate oxidative stress, inflammation, and apoptosis in ethanol-induced gastritis in mucosa through NF- κ B signaling pathway inhibition. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 193-199.	7.5	109
2	Dysregulation of Th1, Th2, Th17, and T regulatory cell-related transcription factor signaling in children with autism. <i>Molecular Neurobiology</i> , 2017, 54, 4390-4400.	4.0	107
3	Imiquimod-induced psoriasis-like skin inflammation is suppressed by BET bromodomain inhibitor in mice through RORC/IL-17A pathway modulation. <i>Pharmacological Research</i> , 2015, 99, 248-257.	7.1	98
4	Dexamethasone Attenuates LPS-induced Acute Lung Injury through Inhibition of NF- κ B, COX-2, and Pro-inflammatory Mediators. <i>Immunological Investigations</i> , 2016, 45, 349-369.	2.0	92
5	Regulation of TNF- α and NF- κ B activation through the JAK/STAT signaling pathway downstream of histamine 4 receptor in a rat model of LPS-induced joint inflammation. <i>Immunobiology</i> , 2015, 220, 889-898.	1.9	89
6	Sinapic acid ameliorate cadmium-induced nephrotoxicity: In vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF- κ B downregulation. <i>Environmental Toxicology and Pharmacology</i> , 2017, 51, 100-107.	4.0	81
7	Diosmin downregulates the expression of T cell receptors, pro-inflammatory cytokines and NF- κ B activation against LPS-induced acute lung injury in mice. <i>Pharmacological Research</i> , 2015, 102, 1-11.	7.1	79
8	Resveratrol Ameliorates Dysregulation of Th1, Th2, Th17, and T Regulatory Cell-Related Transcription Factor Signaling in a BTBR T ^A +Atf/J Mouse Model of Autism. <i>Molecular Neurobiology</i> , 2017, 54, 5201-5212.	4.0	74
9	Momordica charantia polysaccharides mitigate the progression of STZ induced diabetic nephropathy in rats. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 394-399.	7.5	71
10	Sinapic acid modulates Nrf2/HO-1 signaling pathway in cisplatin-induced nephrotoxicity in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 646-653.	5.6	69
11	CXCR3 antagonist AMG487 suppresses rheumatoid arthritis pathogenesis and progression by shifting the Th17/Treg cell balance. <i>Cellular Signalling</i> , 2019, 64, 109395.	3.6	67
12	Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats. <i>Life Sciences</i> , 2016, 165, 1-8.	4.3	65
13	The role of aryl hydrocarbon receptor signaling pathway in cardiotoxicity of acute lead intoxication in vivo and in vitro rat model. <i>Toxicology</i> , 2013, 306, 40-49.	4.2	55
14	Rutin Attenuates Carfilzomib-Induced Cardiotoxicity Through Inhibition of NF- κ B, Hypertrophic Gene Expression and Oxidative Stress. <i>Cardiovascular Toxicology</i> , 2017, 17, 58-66.	2.7	55
15	Naringenin Regulates Doxorubicin-Induced Liver Dysfunction: Impact on Oxidative Stress and Inflammation. <i>Plants</i> , 2020, 9, 550.	3.5	54
16	Adenosine A2A receptor modulates neuroimmune function through Th17/retinoid-related orphan receptor gamma t (ROR γ t) signaling in a BTBR T + Itpr3 ^{tf} /J mouse model of autism. <i>Cellular Signalling</i> , 2017, 36, 14-24.	3.6	53
17	STA-21, a STAT-3 inhibitor, attenuates the development and progression of inflammation in collagen antibody-induced arthritis. <i>Immunobiology</i> , 2017, 222, 206-217.	1.9	53
18	Resveratrol attenuates pro-inflammatory cytokines and activation of JAK1-STAT3 in BTBR T + Itpr3 ^{tf} /J autistic mice. <i>European Journal of Pharmacology</i> , 2018, 829, 70-78.	3.5	52

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19	Gastroprotective Effect of Sinapic Acid on Ethanol-Induced Gastric Ulcers in Rats: Involvement of Nrf2/HO-1 and NF- κ B Signaling and Antiapoptotic Role. <i>Frontiers in Pharmacology</i> , 2021, 12, 622815.	3.5	52
20	Upregulation of IL-9 and JAK-STAT signaling pathway in children with autism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 472-480.	4.8	51
21	The tyrosine kinase inhibitor tyrphostin AG126 reduces activation of inflammatory cells and increases Foxp3+ regulatory T cells during pathogenesis of rheumatoid arthritis. <i>Molecular Immunology</i> , 2016, 78, 65-78.	2.2	47
22	Apremilast prevent doxorubicin-induced apoptosis and inflammation in heart through inhibition of oxidative stress mediated activation of NF- κ B signaling pathways. <i>Pharmacological Reports</i> , 2018, 70, 993-1000.	3.3	47
23	Imbalance between the anti- and pro-inflammatory milieu in blood leukocytes of autistic children. <i>Molecular Immunology</i> , 2017, 82, 57-65.	2.2	46
24	Analysis of molecular cytogenetic alterations in uterine leiomyosarcoma by array-based comparative genomic hybridization. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 1173-1186.	2.5	45
25	Hepatoprotective activity of <i>Lepidium sativum</i> seeds against D-galactosamine/lipopolysaccharide induced hepatotoxicity in animal model. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 501.	3.7	45
26	Resveratrol treatment attenuates chemokine receptor expression in the BTBR T + tf/J mouse model of autism. <i>Molecular and Cellular Neurosciences</i> , 2016, 77, 1-10.	2.2	45
27	Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model. <i>Biochemical Pharmacology</i> , 2017, 124, 69-82.	4.4	45
28	Molecular mechanisms of cardiotoxicity of gefitinib in vivo and in vitro rat cardiomyocyte: Role of apoptosis and oxidative stress. <i>Toxicology Letters</i> , 2016, 252, 50-61.	0.8	43
29	Resveratrol Improves Neuroimmune Dysregulation Through the Inhibition of Neuronal Toll-Like Receptors and COX-2 Signaling in BTBR T+ Itpr3tf/J Mice. <i>NeuroMolecular Medicine</i> , 2018, 20, 133-146.	3.4	43
30	Sinapic acid ameliorates bleomycin-induced lung fibrosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 224-231.	5.6	43
31	Sinapic Acid Ameliorates Oxidative Stress, Inflammation, and Apoptosis in Acute Doxorubicin-Induced Cardiotoxicity via the NF- κ B-Mediated Pathway. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	42
32	Apremilast reversed carfilzomib-induced cardiotoxicity through inhibition of oxidative stress, NF- κ B and MAPK signaling in rats. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 700-708.	2.7	41
33	The role of poly(ADP-ribose) polymerase-1 inhibitor in carrageenan-induced lung inflammation in mice. <i>Molecular Immunology</i> , 2015, 63, 394-405.	2.2	38
34	Toll-like receptors, NF- κ B, and IL-27 mediate adenosine A2A receptor signaling in BTBR T + Itpr3 tf /J mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 79, 184-191.	4.8	38
35	CXC chemokine receptor 3 antagonist AMG487 shows potent anti-arthritis effects on collagen-induced arthritis by modifying B cell inflammatory profile. <i>Immunology Letters</i> , 2020, 225, 74-81.	2.5	36
36	Psoriasis-like inflammation leads to renal dysfunction via upregulation of NADPH oxidases and inducible nitric oxide synthase. <i>International Immunopharmacology</i> , 2017, 46, 1-8.	3.8	33

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37	Activation of adenosine A2A receptor signaling regulates the expression of cytokines associated with immunologic dysfunction in BTBR T + Itpr3 ^{tf/j} mice. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 76-87.	2.2	32
38	Stimulation of the histamine 4 receptor with 4-methylhistamine modulates the effects of chronic stress on the Th1/Th2 cytokine balance. <i>Immunobiology</i> , 2015, 220, 341-349.	1.9	31
39	Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model. <i>Immunobiology</i> , 2017, 222, 128-136.	1.9	31
40	Beetroot juice alleviates isoproterenol-induced myocardial damage by reducing oxidative stress, inflammation, and apoptosis in rats. <i>3 Biotech</i> , 2019, 9, 147.	2.2	31
41	Thymoquinone treatment modulates the Nrf2/HO-1 signaling pathway and abrogates the inflammatory response in an animal model of lung fibrosis. <i>Experimental Lung Research</i> , 2020, 46, 53-63.	1.2	30
42	Chemokine Receptor 5 Antagonism Causes Reduction in Joint Inflammation in a Collagen-Induced Arthritis Mouse Model. <i>Molecules</i> , 2021, 26, 1839.	3.8	30
43	Metformin inhibits 7,12-dimethylbenz[a]anthracene-induced breast carcinogenesis and adduct formation in human breast cells by inhibiting the cytochrome P4501A1/aryl hydrocarbon receptor signaling pathway. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 217-226.	2.8	29
44	Protective role of Roflumilast against cadmium-induced cardiotoxicity through inhibition of oxidative stress and NF- κ B signaling in rats. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 673-681.	2.7	28
45	Histamine 4 receptor promotes expression of costimulatory B7.1/B7.2 molecules, CD28 signaling and cytokine production in stress-induced immune responses. <i>Journal of Neuroimmunology</i> , 2015, 289, 30-42.	2.3	27
46	Sinapic acid ameliorates cardiac dysfunction and cardiomyopathy by modulating NF- κ B and Nrf2/HO-1 signaling pathways in streptozocin induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112412.	5.6	27
47	Design and Synthesis of <i>N</i> -Arylphthalimides as Inhibitors of Glucocorticoid-Induced TNF Receptor-Related Protein, Proinflammatory Mediators, and Cytokines in Carrageenan-Induced Lung Inflammation. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8850-8867.	6.4	25
48	<i>Nepeta deflersiana</i> attenuates isoproterenol-induced myocardial injuries in rats: Possible involvement of oxidative stress, apoptosis, inflammation through nuclear factor (NF)- κ B downregulation. <i>Phytomedicine</i> , 2017, 34, 67-75.	5.3	25
49	The PPAR γ agonist GW0742 restores neuroimmune function by regulating Tim-3 and Th17/Treg-related signaling in the BTBR autistic mouse model. <i>Neurochemistry International</i> , 2018, 120, 251-261.	3.8	25
50	β -1,3-Glucan reverses aflatoxin B1-mediated suppression of immune responses in mice. <i>Life Sciences</i> , 2016, 152, 1-13.	4.3	24
51	Upregulation of peripheral CXC and CC chemokine receptor expression on CD4 + T cells is associated with immune dysregulation in children with autism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 211-220.	4.8	24
52	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. <i>International Immunopharmacology</i> , 2020, 84, 106494.	3.8	23
53	Biological investigation of a supersaturated self-nanoemulsifying drug delivery system of Piper cubeba essential oil. <i>RSC Advances</i> , 2015, 5, 105206-105217.	3.6	22
54	IQGAP1 gene silencing induces apoptosis and decreases the invasive capacity of human hepatocellular carcinoma cells. <i>Tumor Biology</i> , 2016, 37, 13927-13939.	1.8	22

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55	Airway oxidative stress causes vascular and hepatic inflammation via upregulation of IL-17A in a murine model of allergic asthma. <i>International Immunopharmacology</i> , 2016, 34, 173-182.	3.8	22
56	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. <i>Journal of Neuroimmunology</i> , 2017, 311, 59-67.	2.3	21
57	S3I-201, a selective Stat3 inhibitor, restores neuroimmune function through upregulation of Treg signaling in autistic BTBR T+ Itpr3tf/J mice. <i>Cellular Signalling</i> , 2018, 52, 127-136.	3.6	21
58	5-aminoisoquinolinone attenuates social behavior deficits and immune abnormalities in the BTBR T+ Itpr3tf/J mouse model for autism. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 189, 172859.	2.9	21
59	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. <i>NeuroToxicology</i> , 2020, 77, 1-11.	3.0	19
60	Sinapic Acid Ameliorates Acetic Acid-Induced Ulcerative Colitis in Rats by Suppressing Inflammation, Oxidative Stress, and Apoptosis. <i>Molecules</i> , 2022, 27, 4139.	3.8	19
61	Genetic and epigenetic alterations induced by the small-molecule panobinostat: A mechanistic study at the chromosome and gene levels. <i>DNA Repair</i> , 2019, 78, 70-80.	2.8	18
62	Elevated IL-16 expression is associated with development of immune dysfunction in children with autism. <i>Psychopharmacology</i> , 2019, 236, 831-838.	3.1	18
63	Cathepsin B inhibitor alleviates Th1, Th17, and Th22 transcription factor signaling dysregulation in experimental autoimmune encephalomyelitis. <i>Experimental Neurology</i> , 2022, 351, 113997.	4.1	17
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+ Itpr3tf/J Autistic Mouse Model. <i>Molecular Neurobiology</i> , 2018, 55, 2603-2616.	4.0	16
65	Protection by tyrosine kinase inhibitor, tyrphostin AG126, through the suppression of IL-17A, ROR γ t, and T-bet signaling, in the BTBR mouse model of autism. <i>Brain Research Bulletin</i> , 2018, 142, 328-337.	3.0	16
66	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. <i>NeuroToxicology</i> , 2021, 82, 9-17.	3.0	16
67	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. <i>International Immunopharmacology</i> , 2020, 83, 106466.	3.8	15
68	Sinapic acid ameliorates D-galactosamine/lipopolysaccharide-induced fulminant hepatitis in rats: Role of nuclear factor erythroid-related factor 2/heme oxygenase-1 pathways. <i>World Journal of Gastroenterology</i> , 2021, 27, 592-608.	3.3	15
69	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+ Itpr3tf/J mice. <i>Life Sciences</i> , 2019, 237, 116930.	4.3	14
70	Dysregulation of T cell immunoglobulin and mucin domain 3 (TIM-3) signaling in peripheral immune cells is associated with immune dysfunction in autistic children. <i>Molecular Immunology</i> , 2019, 106, 77-86.	2.2	14
71	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. <i>Brain Sciences</i> , 2021, 11, 249.	2.3	14
72	Effects of sinapic acid on hepatic cytochrome P450 3A2, 2C11, and intestinal P-glycoprotein on the pharmacokinetics of oral carbamazepine in rats: Potential food/herb-drug interaction. <i>Epilepsy Research</i> , 2019, 153, 14-18.	1.6	13

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73	Dexrazoxane Averts Idarubicin-Evoked Genomic Damage by Regulating Gene Expression Profiling Associated With the DNA Damage-Signaling Pathway in BALB/c Mice. <i>Toxicological Sciences</i> , 2017, 160, 161-172.	3.1	12
74	The Stat3 inhibitor, S3I-201, downregulates lymphocyte activation markers, chemokine receptors, and inflammatory cytokines in the BTBR T+ Itpr3tf/J mouse model of autism. <i>Brain Research Bulletin</i> , 2019, 152, 27-34.	3.0	12
75	Effects of arbuscular mycorrhizal fungi and P-solubilizing <i>Pseudomonas fluorescens</i> (ATCC-17400) on morphological traits and mineral content of sesame. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2649-2654.	3.8	12
76	Downregulation in Helios transcription factor signaling is associated with immune dysfunction in blood leukocytes of autistic children. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 85, 98-104.	4.8	11
77	DAPTA, a C-C chemokine receptor 5 (CCR5) antagonist attenuates immune aberrations by downregulating Th9/Th17 immune responses in BTBR T+ Itpr3tf/J mice. <i>European Journal of Pharmacology</i> , 2019, 846, 100-108.	3.5	11
78	Effect of sinapic acid on aripiprazole pharmacokinetics in rats: Possible food drug interaction. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 332-338.	1.9	10
79	The histamine-4 receptor antagonist JNJ7777120 prevents immune abnormalities by inhibiting ROR γ 3t/T-bet transcription factor signaling pathways in BTBR T+ Itpr3tf/J mice exposed to gamma rays. <i>Molecular Immunology</i> , 2019, 114, 561-570.	2.2	10
80	Evaluation of DNA repair efficiency in autistic children by molecular cytogenetic analysis and transcriptome profiling. <i>DNA Repair</i> , 2020, 85, 102750.	2.8	10
81	Upregulation of interleukin (IL)-31, a cytokine producing CXCR1 peripheral immune cells, contributes to the immune abnormalities of autism spectrum disorder. <i>Journal of Neuroimmunology</i> , 2020, 349, 577430.	2.3	10
82	Vorinostat is genotoxic and epigenotoxic in the mouse bone marrow cells at the human equivalent doses. <i>Toxicology</i> , 2020, 441, 152507.	4.2	10
83	Sinapic acid mitigates methotrexate-induced hepatic injuries in rats through modulation of Nrf2/HO-1 signaling. <i>Environmental Toxicology</i> , 2021, 36, 1261-1268.	4.0	10
84	Eudragit-Coated Sporopollenin Exine Microcapsules (SEMC) of <i>Phoenix dactylifera</i> L. of 5-Fluorouracil for Colon-Specific Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1921.	4.5	10
85	CCR1 antagonist ameliorates experimental autoimmune encephalomyelitis by inhibition of Th9/Th22-related markers in the brain and periphery. <i>Molecular Immunology</i> , 2022, 144, 127-137.	2.2	10
86	Dysregulation of the expression of HLA-DR, costimulatory molecule, and chemokine receptors on immune cells in children with autism. <i>International Immunopharmacology</i> , 2018, 65, 360-365.	3.8	9
87	Differential Effects of Sunitinib on the Expression Profiles of Xenobiotic-Metabolizing Enzymes and Transporters in Rat Liver and Kidneys. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 173-183.	2.5	7
88	Dasatinib significantly reduced in vivo exposure to cyclosporine in a rat model: The possible involvement of CYP3A induction. <i>Pharmacological Reports</i> , 2019, 71, 201-205.	3.3	7
89	Dysregulation of Ki-67 Expression in T Cells of Children with Autism Spectrum Disorder. <i>Children</i> , 2021, 8, 116.	1.5	7
90	Methylmercury chloride exposure exacerbates existing neurobehavioral and immune dysfunctions in the BTBR T+ Itpr3tf/J mouse model of autism. <i>Immunology Letters</i> , 2022, 244, 19-27.	2.5	7

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91	GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	6
92	Role of carnitine in regulation of blood pressure (MAP/SBP) and gene expression of cardiac hypertrophy markers (β -MHC) during insulin-induced hypoglycaemia: Role of oxidative stress. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 478-489.	1.9	4
93	3-Aminobenzamide alleviates elevated DNA damage and DNA methylation in a BTBR T+Itpr3/J mouse model of autism by enhancing repair gene expression. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 199, 173057.	2.9	3
94	Sunitinib Induces Growth Inhibition and Apoptosis in Breast Cancer MDA-MB-231 Cells through FOXO3a Signaling Pathway. <i>FASEB Journal</i> , 2015, 29, 619.3.	0.5	2
95	Cytochrome P450 3A2 and PGP-MDR1-Mediated Pharmacokinetic Interaction of Sinapic Acid with Ibrutinib in Rats: Potential Food/Herb-Drug Interaction. <i>Processes</i> , 2022, 10, 1066.	2.8	1
96	Metformin attenuates lead-induced inflammatory and apoptotic lung injury through modulation of P53 and TNF pathways in rats. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0