

# LPS/TLR4 signal transduction pathway

Cytokine

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The lipopolysaccharide Parkinson's disease animal model: mechanistic studies and drug discovery. <i>Fundamental and Clinical Pharmacology</i> , 2008, 22, 453-464.	1.0	197
2	Transcriptome analysis of mammary epithelial subpopulations identifies novel determinants of lineage commitment and cell fate. <i>BMC Genomics</i> , 2008, 9, 591.	1.2	151
3	High Processing Tolerances of Immunomodulatory Proteins in Enoki and Reishi Mushrooms. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3160-3166.	2.4	26
4	Annexin A2 mediates anti- $\beta$ 2GPI/ $\beta$ 2GPI-induced tissue factor expression on monocytes. <i>International Journal of Molecular Medicine</i> , 2009, 24, 557-62.	1.8	21
5	Azithromycin suppresses interleukin-12p40 expression in lipopolysaccharide and interferon- $\gamma$ stimulated macrophages. <i>International Journal of Biological Sciences</i> , 2009, 5, 667-678.	2.6	40
6	Lipopolysaccharides (Endotoxins). , 2009, , 513-528.		27
7	Glycyrrhizin, the main active compound in liquorice, attenuates pro-inflammatory responses by interfering with membrane-dependent receptor signalling. <i>Biochemical Journal</i> , 2009, 421, 473-482.	1.7	94
8	<i>Paeonia japonica</i> , <i>Houttuynia cordata</i> , and <i>Aster scaber</i> Water Extracts Induce Nitric Oxide and Cytokine Production by Lipopolysaccharide-Activated Macrophages. <i>Journal of Medicinal Food</i> , 2009, 12, 365-373.	0.8	18
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18	Extracellular ATP Acting at the P2X7 Receptor Inhibits Secretion of Soluble HLA-G from Human Monocytes. <i>Journal of Immunology</i> , 2009, 183, 4302-4311.	0.4	34

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1127	Quantification of Dynamic Protein Interactions and Phosphorylation in LPS Signaling Pathway by SWATH-MS. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1054-1069.	2.5	4
1128	Diallyl disulfide alleviates inflammatory osteolysis by suppressing osteoclastogenesis <i>in vivo</i> via NF- $\kappa$ B-NFATc1 signal pathway. <i>FASEB Journal</i> , 2019, 33, 7261-7273.	0.2	24

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1130	Combination of chick embryo and nutrient mixture prevent D-galactose-induced cognitive deficits, immune impairment and oxidative stress in aging rat model. <i>Scientific Reports</i> , 2019, 9, 4092.	1.6	9
1131	Paralogues From the Expanded Tlr11 Gene Family in Mudskipper ( <i>Boleophthalmus pectinirostris</i> ) Are Under Positive Selection and Respond Differently to LPS/Poly(I:C) Challenge. <i>Frontiers in Immunology</i> , 2019, 10, 343.	2.2	20
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1135	Nonsaponin fraction of Korean Red Ginseng attenuates cytokine production via inhibition of TLR4 expression. <i>Journal of Ginseng Research</i> , 2019, 43, 291-299.	3.0	27
1136	TLR4 participates in sympathetic hyperactivity Post-MI in the PVN by regulating NF- $\kappa$ B pathway and ROS production. <i>Redox Biology</i> , 2019, 24, 101186.	3.9	76
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1138	Genetic risk scores demonstrate the cumulative association of single nucleotide polymorphisms in gut microbiomeâ€“related genes with obesity phenotypes in preschool age children. <i>Pediatric Obesity</i> , 2019, 14, e12530.	1.4	2
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1140	Anti-inflammatory effect of trans-4-methoxycinnamaldehyde from <i>Etingera pavieana</i> in LPS-stimulated macrophages mediated through inactivation of NF- $\kappa$ B and JNK/c-Jun signaling pathways and in rat models of acute inflammation. <i>Toxicology and Applied Pharmacology</i> , 2019, 371, 3-11.	1.3	15
1141	Epigenetic Changes in Alveolar Type II Lung Cells of A/J Mice Following Intranasal Treatment with Lipopolysaccharide. <i>Chemical Research in Toxicology</i> , 2019, 32, 831-839.	1.7	7
1142	Sesamin Catechol Glucuronides Exert Anti-inflammatory Effects by Suppressing Interferon $\gamma$ and Inducible Nitric Oxide Synthase Expression through Deconjugation in Macrophage-like J774.1 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7640-7649.	2.4	11
1143	Endogenous Neurosteroid (3 $\beta$ ,5 $\beta$ )3-Hydroxypregnan-20-one Inhibits Toll-like-4 Receptor Activation and Pro-inflammatory Signaling in Macrophages and Brain. <i>Scientific Reports</i> , 2019, 9, 1220.	1.6	72
1144	Gut Dysbiosis in Arterial Hypertension. , 2019, , 243-249.		0
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1151	Signaling control of antibody isotype switching. <i>Advances in Immunology</i> , 2019, 141, 105-164.	1.1	17
1152	Chinese herb pair <i>Paeoniae Radix Alba</i> and <i>Atractylodis Macrocephalae Rhizoma</i> suppresses LPS-induced inflammatory response through inhibiting MAPK and NF- $\kappa$ B pathway. <i>Chinese Medicine</i> , 2019, 14, 2.	1.6	28
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1158	Soluble fibre as a treatment for inflammation in asthma. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2019, 18, 100108.	1.7	11
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1162	Eosinophil Activation by Toll-Like Receptor 4 Ligands Regulates Macrophage Polarization. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 329.	1.8	20
1163	Children With Metabolically Healthy Obesity: A Review. <i>Frontiers in Endocrinology</i> , 2019, 10, 865.	1.5	55
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1170	Neuroimmune signaling in alcohol use disorder. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 177, 34-60.	1.3	145
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1177	Real-Time Temperature Measurements of HMEC-1 Cells During Inflammation Production and Repair Detected by Wireless Thermometry. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1898-1904.	2.5	9
1178	Ameliorative effect of fisetin against lipopolysaccharide and restraint stress-induced behavioral deficits via modulation of NF- $\kappa$ B and IDO-1. <i>Psychopharmacology</i> , 2019, 236, 741-752.	1.5	37
1179	Cost-effective production of tag-less recombinant protein in <i>Nicotiana benthamiana</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 1094-1105.	4.1	42
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1181	Recent clinical trends in Toll-like receptor targeting therapeutics. <i>Medicinal Research Reviews</i> , 2019, 39, 1053-1090.	5.0	198
1182	Probiotic effects of marine <i>Debaryomyces hansenii</i> CBS 8339 on innate immune and antioxidant parameters in newborn goats. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2339-2352.	1.7	30

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1199	Cannabinoid receptor type-1 partially mediates metabolic endotoxemia-induced inflammation and insulin resistance. <i>Physiology and Behavior</i> , 2019, 199, 282-291.	1.0	16
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1215	TRPM7 mediates kidney injury, endothelial hyperpermeability and mortality during endotoxemia. <i>Laboratory Investigation</i> , 2020, 100, 234-249.	1.7	15
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1217	A Rare Mutation in <i>SPLUNC1</i> Affects Bacterial Adherence and Invasion in Meningococcal Disease. <i>Clinical Infectious Diseases</i> , 2020, 70, 2045-2053.	2.9	6
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1221	Body fluid from the parasitic worm <i>Ascaris suum</i> inhibits broad-acting proinflammatory programs in dendritic cells. <i>Immunology</i> , 2020, 159, 322-334.	2.0	16
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1223	Targeted delivery of anti-inflammatory cytokine by nanocarrier reduces atherosclerosis in Apo E $^{-/-}$ mice. <i>Biomaterials</i> , 2020, 226, 119550.	5.7	79
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1227	Molecular cloning and characterization of a cDNA encoding extracellular signal-regulated kinase (ERK) from the blood clam <i>Tegillarca granosa</i> . <i>Developmental and Comparative Immunology</i> , 2020, 105, 103602.	1.0	1
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1232	Lipopolysaccharide-Induced Matrix Metalloproteinase-9 Expression Associated with Cell Migration in Rat Brain Astrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 259.	1.8	21
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1239	Shikonin improve sepsis-induced lung injury via regulation of miRNA-140/TLR4: a vitro and vivo study. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 2103-2117.	1.2	31
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1242	Protective effect of triterpenes of <i>Ganoderma lucidum</i> on lipopolysaccharide-induced inflammatory responses and acute liver injury. <i>Cytokine</i> , 2020, 127, 154917.	1.4	28
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1249	Protective effects of syringin against oxidative stress and inflammation in diabetic pregnant rats via TLR4/MyD88/NF- $\kappa$ B signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110681.	2.5	39
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1251	Stat2-Drp1 mediated mitochondrial mass increase is necessary for pro-inflammatory differentiation of macrophages. <i>Redox Biology</i> , 2020, 37, 101761.	3.9	59
1252	Gut Microbiota and Immune System Interactions. <i>Microorganisms</i> , 2020, 8, 1587.	1.6	309
1253	Gestational diabetes mellitus in women increased the risk of neonatal infection via inflammation and autophagy in the placenta. <i>Medicine (United States)</i> , 2020, 99, e22152.	0.4	40
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1256	Role of Innate Immune Receptor TLR4 and its endogenous ligands in epileptogenesis. <i>Pharmacological Research</i> , 2020, 160, 105172.	3.1	26
1257	Anemoside B4 prevents acute ulcerative colitis through inhibiting of TLR4/NF- $\kappa$ B/MAPK signaling pathway. <i>International Immunopharmacology</i> , 2020, 87, 106794.	1.7	41
1258	Map kinase signaling as therapeutic target for neurodegeneration. <i>Pharmacological Research</i> , 2020, 160, 105090.	3.1	54
1259	Fisetin alleviates sepsis-induced multiple organ dysfunction in mice via inhibiting p38 MAPK/MK2 signaling. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1348-1356.	2.8	23
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1382	Neuronal Spleen tyrosine kinase (SYK) mediates cytokine release in Transgenic Tau P301S mice organotypic brain slice cultures. <i>Neuroscience Letters</i> , 2020, 729, 134992.	1.0	2
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1384	Mutant Huntingtin affects toll-like receptor 4 intracellular trafficking and cytokine production in mast cells. <i>Journal of Neuroinflammation</i> , 2020, 17, 95.	3.1	19
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1844	TLR4 downregulation by the RNA-binding protein PUM1 alleviates cellular aging and osteoarthritis. <i>Cell Death and Differentiation</i> , 2022, 29, 1364-1378.	5.0	31
1845	Echinocystic Acid Inhibits Inflammation and Exerts Neuroprotective Effects in MPTP-Induced Parkinson's Disease Model Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 787771.	1.6	10
1846	Neutrophil-Associated Responses to <i>Vibrio cholerae</i> Infection in a Natural Host Model. <i>Infection and Immunity</i> , 2022, 90, iai0046621.	1.0	9
1847	Hyaluronan-coated Prussian blue nanoparticles relieve LPS-induced peritonitis by suppressing oxidative species generation in tissue-resident macrophages. <i>Biomaterials Science</i> , 2022, 10, 1248-1256.	2.6	16
1848	Dual agonist immunostimulatory nanoparticles combine with PD1 blockade for curative neoadjuvant immunotherapy of aggressive cancers. <i>Nanoscale</i> , 2022, 14, 1144-1159.	2.8	11
1849	Interleukin-1 signaling in solid organ malignancies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188670.	3.3	2
1850	In Vitro Potential of the Acetone Leaf Extract and Fractions of <i>Psychotria capensis</i> (Eckl.) Vatke (Rubiaceae) to Combat Co-Infection of Tuberculosis and Helminthiasis. <i>Frontiers in Pharmacology</i> , 2021, 12, 744137.	1.6	0
1851	Role of EGF Receptor Regulatory Networks in the Host Response to Viral Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 820355.	1.8	13
1852	Monocytes and pyrophosphate promote mesenchymal stem cell viability and early osteogenic differentiation. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 11.	1.7	2
1853	Quercetin ameliorates lipopolysaccharide-induced neuroinflammation and oxidative stress in adult zebrafish. <i>Molecular Biology Reports</i> , 2022, 49, 3247-3258.	1.0	12
1855	Upregulation of CD14 in mesenchymal stromal cells accelerates lipopolysaccharide-induced response and enhances antibacterial properties. <i>IScience</i> , 2022, 25, 103759.	1.9	5

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1857	Role of indoleamine 2,3-dioxygenase 1 (IDO1) and kynurenine pathway in the regulation of the aging process. <i>Ageing Research Reviews</i> , 2022, 75, 101573.	5.0	40
1858	Blood Bacteria-Free DNA in Septic Mice Enhances LPS-Induced Inflammation in Mice through Macrophage Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1907.	1.8	16
1859	Systemic Administration of the TLR7/8 Agonist Resiquimod (R848) to Mice Is Associated with Transient, In Vivo-Detectable Brain Swelling. <i>Biology</i> , 2022, 11, 274.	1.3	2
1860	Potential of Polyphenols to Restore SIRT1 and NAD <sup>+</sup> Metabolism in Renal Disease. <i>Nutrients</i> , 2022, 14, 653.	1.7	14
1861	Bacterial Translocation in Gastrointestinal Cancers and Cancer Treatment. <i>Biomedicines</i> , 2022, 10, 380.	1.4	17
1862	Muscle endoplasmic reticulum stress in exercise. <i>Acta Physiologica</i> , 2022, , e13799.	1.8	12
1863	Hypervirulent <i>Klebsiella pneumoniae</i> Strains Modulate Human Dendritic Cell Functions and Affect TH1/TH17 Response. <i>Microorganisms</i> , 2022, 10, 384.	1.6	5
1864	Inhibitory effects of superoxide dismutase 3 on IgE production in B cells. <i>Biochemistry and Biophysics Reports</i> , 2022, 29, 101226.	0.7	0
1865	Toll-Like Receptors (TLRs) as Therapeutic Targets for Treating SARS-CoV-2: An Immunobiological Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1352, 87-109.	0.8	11
1866	Antineoplastic Effects of Curcumin Against Colorectal Cancer: Application and Mechanisms. , 2022, , 383-426.		1
1868	Selected lactobacilli strains inhibit inflammation in LPS-induced RAW264.7 macrophages by suppressing the TLR4-mediated NF- $\kappa$ B and MAPKs activation. <i>Food Science and Technology</i> , 0, 42, .	0.8	7
1870	Early life adversity, inflammation, and immune function: An initial test of adaptive response models of immunological programming. <i>Development and Psychopathology</i> , 2022, , 1-17.	1.4	6
1871	DHA-Enriched Phospholipids and EPA-Enriched Phospholipids Alleviate Lipopolysaccharide-Induced Intestinal Barrier Injury in Mice <i>via</i> a Sirtuin 1-Dependent Mechanism. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2911-2922.	2.4	8
1872	Inhibition of Bruton's Tyrosine Kinase Protects Against Burn Sepsis-Induced Intestinal Injury. <i>Frontiers in Medicine</i> , 2022, 9, 809289.	1.2	0
1873	The battle between host and SARS-CoV-2: Innate immunity and viral evasion strategies. <i>Molecular Therapy</i> , 2022, 30, 1869-1884.	3.7	36
1874	A Proximal-to-Distal Survey of Healthy Adult Human Small Intestine and Colon Epithelium by Single-Cell Transcriptomics. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1554-1589.	2.3	79
1875	Links between Insulin Resistance and Periodontal Bacteria: Insights on Molecular Players and Therapeutic Potential of Polyphenols. <i>Biomolecules</i> , 2022, 12, 378.	1.8	8

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1877	Sitagliptin Attenuates the Cognitive Deficits in L-Methionine-Induced Vascular Dementia in Rats. <i>BioMed Research International</i> , 2022, 2022, 1-17.	0.9	5
1878	Harnessing anti-tumor and tumor-tropism functions of macrophages via nanotechnology for tumor immunotherapy. <i>Exploration</i> , 2022, 2, .	5.4	64
1879	Mechanistic insights into the amelioration effects of lipopolysaccharide-induced acute lung injury by baicalein: An integrated systems pharmacology study and experimental validation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2022, 73-74, 102121.	1.1	4
1880	Influence of antibiotic therapy on indicators of endotoxemia and systemic inflammation in acute SARS-CoV-2 lung damage. <i>Acta Biomedica Scientifica</i> , 2022, 7, 12-18.	0.1	0
1881	Exercise mitigates the Toll of muscle atrophy: a narrative review of the effects of exercise on Toll-like receptor-4 in leukocytes and skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C581-C589.	2.1	10
1882	A Focused Review on Molecular Signalling Mechanisms of Ginsenosides Anti-Lung Cancer and Anti-inflammatory Activities. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2023, 23, 3-14.	0.9	8
1883	Mechanisms Underlying the Interaction Between Chronic Neurological Disorders and Microbial Metabolites via Tea Polyphenols Therapeutics. <i>Frontiers in Microbiology</i> , 2022, 13, 823902.	1.5	4
1884	The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. <i>Nature Communications</i> , 2022, 13, 1303.	5.8	42
1885	Decoding microbial genomes to understand their functional roles in human complex diseases. , 2022, 1, .		12
1886	A Structural Perspective on Calprotectin as a Ligand of Receptors Mediating Inflammation and Potential Drug Target. <i>Biomolecules</i> , 2022, 12, 519.	1.8	9
1887	Lipopolysaccharide and ARDS caused by new coronavirus infection: hypotheses and facts. <i>Medical Immunology (Russia)</i> , 2022, 24, 7-18.	0.1	1
1888	Celastrol Downmodulates Alpha-Synuclein-Specific T Cell Responses by Mediating Antigen Trafficking in Dendritic Cells. <i>Frontiers in Immunology</i> , 2022, 13, 833515.	2.2	4
1889	Remote ischemic conditioning causes CD4 T cells shift towards reduced cell-mediated inflammation. <i>Pediatric Surgery International</i> , 2022, 38, 657-664.	0.6	6
1890	Molecular mechanism underlying the TLR4 antagonistic and antiseptic activities of papiliocin, an insect innate immune response molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115669119.	3.3	12
1891	Target-Dependent Coordinated Biogenesis of Secondary MicroRNAs by miR-146a Balances Macrophage Activation Processes. <i>Molecular and Cellular Biology</i> , 2022, 42, e0045221.	1.1	2
1892	The Effect of Natural-Based Formulation (NBF) on the Response of RAW264.7 Macrophages to LPS as an In Vitro Model of Inflammation. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 321.	1.5	5
1893	Adoptive Transfer of Anti-Nucleolin T Cells Combined with PD-L1 Inhibition against Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 727-739.	1.9	9



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1895	Can Epigenetics Help Solve the Puzzle Between Concomitant Cardiovascular Injury and Severity of Coronavirus Disease 2019?. <i>Journal of Cardiovascular Pharmacology</i> , 2022, 79, 431-443.	0.8	0
1896	E3 ubiquitin ligase ITCH improves LPS-induced chondrocyte injury by mediating JAG1 ubiquitination in osteoarthritis. <i>Chemico-Biological Interactions</i> , 2022, 360, 109921.	1.7	8
1897	Protein purification strategies must consider downstream applications and individual biological characteristics. <i>Microbial Cell Factories</i> , 2022, 21, 52.	1.9	5
1898	Comprehensive transcriptome profiling and functional analysis of the meagre ( <i>Argyrosomus regius</i> ) immune system. <i>Fish and Shellfish Immunology</i> , 2022, 123, 506-520.	1.6	2
1899	Evolution of toll-like receptor gene family in amphibians. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 463-474.	3.6	11
1900	METTL3 regulates LPS-induced inflammatory response via the NOD1 signaling pathway. <i>Cellular Signalling</i> , 2022, 93, 110283.	1.7	17
1901	Nanoplastics affect the inflammatory cytokine release by primary human monocytes and dendritic cells. <i>Environment International</i> , 2022, 163, 107173.	4.8	46
1902	Poly-quercetin-based nanoVelcro as a multifunctional wound dressing for effective treatment of chronic wound infections. <i>Chemical Engineering Journal</i> , 2022, 437, 135315.	6.6	31
1903	The promising role of CCL2 as a noninvasive marker for nonalcoholic steatohepatitis diagnosis in Egyptian populations. <i>European Journal of Gastroenterology and Hepatology</i> , 2021, 33, e954-e960.	0.8	3
1904	The involvement of oncobiosis and bacterial metabolite signaling in metastasis formation in breast cancer. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 1223-1249.	2.7	14
1905	Extracellular HMGB1 Induced Glomerular Endothelial Cell Injury via TLR4/MyD88 Signaling Pathway in Lupus Nephritis. <i>Mediators of Inflammation</i> , 2021, 2021, 1-15.	1.4	6
1906	The Effect of High-Fat Diet and Exercise Intervention on the TNF- $\alpha$ Level in Rat Spleen. <i>Frontiers in Immunology</i> , 2021, 12, 671167.	2.2	4
1907	Toll-Like Receptors (TLRs), NOD-Like Receptors (NLRs), and RIG-I-Like Receptors (RLRs) in Innate Immunity. TLRs, NLRs, and RLRs Ligands as Immunotherapeutic Agents for Hematopoietic Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13397.	1.8	77
1908	Swine Influenza Virus Infection Decreases the Protective Immune Responses of Subunit Vaccine Against Porcine Circovirus Type 2. <i>Frontiers in Microbiology</i> , 2021, 12, 807458.	1.5	1
1909	Cis-9, Trans-11 CLA Alleviates Lipopolysaccharide-Induced Depression of Fatty Acid Synthesis by Inhibiting Oxidative Stress and Autophagy in Bovine Mammary Epithelial Cells. <i>Antioxidants</i> , 2022, 11, 55.	2.2	14
1910	5-Hydroxymethylfurfural Alleviates Inflammatory Lung Injury by Inhibiting Endoplasmic Reticulum Stress and NLRP3 Inflammasome Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 782427.	1.8	13
1911	Cynanchum atratum Alleviates Non-Alcoholic Fatty Liver by Balancing Lipogenesis and Fatty Acid Oxidation in a High-Fat, High-Fructose Diet Mice Model. <i>Cells</i> , 2022, 11, 23.	1.8	9

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1914	Characterization of the LPS and 3OHFA Contents in the Lipoprotein Fractions and Lipoprotein Particles of Healthy Men. <i>Biomolecules</i> , 2022, 12, 47.	1.8	5
1915	NF- $\kappa$ B signaling in inflammation and cancer. <i>MedComm</i> , 2021, 2, 618-653.	3.1	107
1916	Elimination of negative feedback in TLR signalling allows rapid and hypersensitive detection of microbial contaminants. <i>Scientific Reports</i> , 2021, 11, 24414.	1.6	1
1917	The Placental Innate Immune System Is Altered in Early-Onset Preeclampsia, but Not in Late-Onset Preeclampsia. <i>Frontiers in Immunology</i> , 2021, 12, 780043.	2.2	13
1918	Platelet Toll-like Receptor 4-Related Innate Immunity Potentially Participates in Transfusion Reactions Independent of ABO Compatibility: An Ex Vivo Study. <i>Biomedicines</i> , 2022, 10, 29.	1.4	1
1919	Immunoendocrinology and Ecoimmunology in Brazilian Anurans. <i>Integrative and Comparative Biology</i> , 2022, 62, 1654-1670.	0.9	5
1920	High glucose enhances lipopolysaccharide-induced inflammation in cultured BV2 microglial cell line. <i>Immunity, Inflammation and Disease</i> , 2022, 10, e610.	1.3	5
1921	A Fluorescence-Polarization-Based Lipopolysaccharide-Caspase-4 Interaction Assay for the Development of Inhibitors. <i>Molecules</i> , 2022, 27, 2458.	1.7	2
1922	RANKL Impairs the TLR4 Pathway by Increasing TRAF6 and RANK Interaction in Macrophages. <i>BioMed Research International</i> , 2022, 2022, 1-13.	0.9	3
1923	Maternal immune activation and dietary soy isoflavone supplementation influence pig immune function but not muscle fiber formation. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	1
1924	Fatty acid-binding protein 4 is a therapeutic target for septic acute kidney injury by regulating inflammatory response and cell apoptosis. <i>Cell Death and Disease</i> , 2022, 13, 333.	2.7	20
1925	Long-lasting effects of lipopolysaccharide on the reproduction and splenic transcriptome of hens and their offspring. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113527.	2.9	2
1926	Immune and endocrine responses of Cururu toads ( <i>Rhinella icterica</i> ) in their natural habitat after LPS stimulation. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2022, 269, 111213.	0.8	1
1963	Pregnancy tailors endotoxin-induced monocyte and neutrophil responses in the maternal circulation. <i>Inflammation Research</i> , 2022, 71, 653-668.	1.6	10
1964	Midazolam Ameliorates Impairment of the Blood-Brain Barrier (BBB) Against LPS. <i>Neurotoxicity Research</i> , 2022, 40, 751-762.	1.3	2
1965	Evaluation of the Oxiris Membrane in Cardiogenic Shock Requiring Extracorporeal Membrane Oxygenation Support: Study Protocol for a Single Center, Single-Blind, Randomized Controlled Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 738496.	1.1	7
1966	<sc>TRDMT1</sc> exhibited protective effects against <sc>LPS</sc>-induced inflammation in rats through <sc>TLR4</sc>-NF- $\kappa$ B/MAPK-NF- $\kappa$ B pathway. <i>Animal Models and Experimental Medicine</i> , 2022, 5, 172-182.	1.3	13

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1967	T-Cell Activation and LPS: A Dangerous Duo for Organ Dysfunction. <i>Journal of Leukocyte Biology</i> , 2022, 112, 219-220.	1.5	1
1968	Lipopolysaccharide-binding protein and presepsin in patients with SARS-CoV-2 viral lung disease in the Republic of Crimea. <i>Pulmonologiya</i> , 2022, 32, 162-170.	0.2	1
1970	Metalloendopeptidase ADAM-like Decysin 1 (ADAMDEC1) in Colonic Subepithelial PDGFR $\alpha$ <sup>+</sup> Cells Is a New Marker for Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5007.	1.8	9
1971	STIM1 $\alpha$ -Orai1 Interaction Exacerbates LPS-Induced Inflammation and Endoplasmic Reticulum Stress in Bovine Hepatocytes through Store-Operated Calcium Entry. <i>Genes</i> , 2022, 13, 874.	1.0	5
1972	Expression analysis of TLR signaling pathway genes under lipopolysaccharide-induced and <i>E. coli</i> F17-infected sheep intestinal epithelial cells. <i>Animal Biotechnology</i> , 2022, , 1-7.	0.7	1
1973	Toll-like receptor-agonist-based therapies for respiratory viral diseases: thinking outside the cell. <i>European Respiratory Review</i> , 2022, 31, 210274.	3.0	9
1974	Green and Roasted Coffee Extracts Inhibit Interferon- $\beta$ Release in LPS-Stimulated Human Macrophages. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	5
1975	Systemic administration of lipopolysaccharide induces hyperexcitability of prefrontal cortex neurons via modulation of sodium and potassium currents. <i>NeuroToxicology</i> , 2022, 91, 128-139.	1.4	3
1976	Phloretin Protects Bovine Rumen Epithelial Cells from LPS-Induced Injury. <i>Toxins</i> , 2022, 14, 337.	1.5	6
1977	<i>Angiopteris cochinchinensis</i> de Vriese Ameliorates LPS-Induced Acute Lung Injury via Src Inhibition. <i>Plants</i> , 2022, 11, 1306.	1.6	7
1978	Nanoparticle-delivered TLR4 and RIG-I agonists enhance immune response to SARS-CoV-2 subunit vaccine. <i>Journal of Controlled Release</i> , 2022, 347, 476-488.	4.8	15
1979	Anti-Inflammatory, ACE Inhibitory, Antioxidative Activities and Release of Novel Antihypertensive and Antioxidative Peptides from Whey Protein Hydrolysate with Molecular Interactions. , 2023, 42, 371-385.		1
1980	Differential susceptibility to lipopolysaccharide affects the activation of toll-like-receptor 4 signaling in THP-1 cells and PMA-differentiated THP-1 cells. <i>Innate Immunity</i> , 2022, 28, 122-129.	1.1	5
1981	Synergistic induction of IL-6 production in human bronchial epithelial cells in vitro by nickel nanoparticles and lipopolysaccharide is mediated by STAT3 and C/EBP $\beta$ . <i>Toxicology in Vitro</i> , 2022, 83, 105394.	1.1	2
1982	Antiretroviral Therapy-Induced Dysregulation of Gene Expression and Lipid Metabolism in HIV+ Patients: Beneficial Role of Antioxidant Phytochemicals. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5592.	1.8	1
1983	The first draft genome assembly and data analysis of the Malaysian mahseer ( <i>Tor tambroides</i> ). <i>Aquaculture and Fisheries</i> , 2022, , .	1.2	2
1985	Harnessing chitosan and poly-( $\beta$ -glutamic acid)-based biomaterials towards cancer immunotherapy. <i>Materials Today Advances</i> , 2022, 15, 100252.	2.5	5
1986	Acute Ethanol Challenge Differentially Regulates Expression of Growth Factors and miRNA Expression Profile of Whole Tissue of the Dorsal Hippocampus. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	3

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1988	Evaluation of bronchial inflammatory response via expression of NF- $\kappa$ B & IL-1 $\beta$ in mice airways by TAK-242 and LPS administration: Targeting TLR4/MD2 signalling pathway. <i>International Journal of Health Sciences</i> , 0, , 7101-7115.	0.0	0
1989	Acute Intoxication With Alcohol Reduces Trauma-Induced Proinflammatory Response and Barrier Breakdown in the Lung via the Wnt/ $\beta$ -Catenin Signaling Pathway. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	3
1990	Pharmacological Inhibition of Spleen Tyrosine Kinase Suppressed Neuroinflammation and Cognitive Dysfunction in LPS-Induced Neurodegeneration Model. <i>Cells</i> , 2022, 11, 1777.	1.8	7
1992	Probiotics for obesity and metabolic syndrome prevention and treatment. , 2022, , 463-484.		0
1993	Neuronal and Non-Neuronal GABA in COVID-19: Relevance for Psychiatry. <i>Reports</i> , 2022, 5, 22.	0.2	6
1994	Microglial Inflammatory-Metabolic Pathways and Their Potential Therapeutic Implication in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	27
1995	Retinal Proteomic Analysis in a Mouse Model of Endotoxin-Induced Uveitis Using Data-Independent Acquisition-Based Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6464.	1.8	3
1996	Anti-inflammatory effects of differential molecular weight Hyaluronic acids on UVB-induced calprotectin-mediated keratinocyte inflammation. <i>Journal of Dermatological Science</i> , 2022, 107, 24-31.	1.0	14
1997	Bodyweight, locomotion, and behavioral responses of the naked mole rat ( <i>Heterocephalus glaber</i> ) to lipopolysaccharide administration. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 0, , .	0.7	1
1998	Indigenous Uses, Phytochemical Analysis, and Anti-Inflammatory Properties of Australian Tropical Medicinal Plants. <i>Molecules</i> , 2022, 27, 3849.	1.7	14
1999	Anti-Inflammatory Activity of Oxyresveratrol Tetraacetate, an Ester Prodrug of Oxyresveratrol, on Lipopolysaccharide-Stimulated RAW264.7 Macrophage Cells. <i>Molecules</i> , 2022, 27, 3922.	1.7	2
2000	New Insights into Neuroinflammation Involved in Pathogenic Mechanism of Alzheimer's Disease and Its Potential for Therapeutic Intervention. <i>Cells</i> , 2022, 11, 1925.	1.8	29
2001	The Benefits of Anthocyanins against Obesity-Induced Inflammation. <i>Biomolecules</i> , 2022, 12, 852.	1.8	20
2002	Mimiviruses Interfere With $\beta$ -Degradation. <i>Frontiers in Virology</i> , 0, 2, .	0.7	0
2003	Synthesis and anti-inflammatory activity of paeonol derivatives with etherized aryl urea by regulating TLR4/MyD88 signaling pathway in RAW264.7 cell. <i>Bioorganic Chemistry</i> , 2022, 127, 105939.	2.0	1
2004	<i>Codonopsis pilosula</i> polysaccharides attenuate <i>Escherichia coli</i> -induced acute lung injury in mice. <i>Food and Function</i> , 2022, 13, 7999-8011.	2.1	5
2005	Evaluating the Impact of Thermal Processing on the Anti-Inflammatory Activity of Non-Centrifugal Cane Sugar: Implications on Cytokine Secretion and TLR4 Signaling. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2

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2007	Bacterial Quorum-Sensing Signal DSF Inhibits LPS-Induced Inflammations by Suppressing Toll-like Receptor Signaling and Preventing Lysosome-Mediated Apoptosis in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7110.	1.8	7
2008	Melittin-derived peptides exhibit variations in cytotoxicity and antioxidant, anti-inflammatory and allergenic activities. <i>Animal Cells and Systems</i> , 2022, 26, 158-165.	0.8	7
2009	Evaluation of anti-inflammatory properties of <i>Eurycoma longifolia</i> Jack and <i>Eurycoma harmandiana</i> Pierre in vitro cultures and their constituents. <i>Food and Agricultural Immunology</i> , 2022, 33, 530-545.	0.7	5
2010	In Silico Approach in the Evaluation of Pro-Inflammatory Potential of Polycyclic Aromatic Hydrocarbons and Volatile Organic Compounds through Binding Affinity to the Human Toll-Like Receptor 4. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8360.	1.2	2
2011	Platelets and <i>Escherichia coli</i> : A Complex Interaction. <i>Biomedicines</i> , 2022, 10, 1636.	1.4	6
2012	Anti-inflammatory properties of lemon-derived extracellular vesicles are achieved through the inhibition of ERK/NF- $\kappa$ B signalling pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 4195-4209.	1.6	21
2013	Dietary Glutamine Supplementation Alleviated Inflammation Responses and Improved Intestinal Mucosa Barrier of LPS-Challenged Broilers. <i>Animals</i> , 2022, 12, 1729.	1.0	11
2014	Mesenchymal Stem Cell-Derived Exosomal miRNAs Promote M2 Macrophages Polarization: Therapeutic Opportunities for Spinal Cord Injury. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	7
2015	Interactions between polysaccharides and gut microbiota: A metabolomic and microbial review. <i>Food Research International</i> , 2022, 160, 111653.	2.9	31
2016	Quercetin Alleviates Lipopolysaccharide-Induced Inflammatory Response in Bovine Mammary Epithelial Cells by Suppressing TLR4/NF- $\kappa$ B Signaling Pathway. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	8
2017	Effects of 5-aminolevulinic acid on the inflammatory responses and antioxidative capacity in broiler chickens challenged with lipopolysaccharide. <i>Animal</i> , 2022, 16, 100575.	1.3	5
2018	Anti-inflammatory Mechanism of Action of Benzoylmesaconine in Lipopolysaccharide-Stimulated RAW264.7 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-12.	0.5	4
2019	Effect of aging on monocyte phagocytic and inflammatory functions, and on the ex vivo inflammatory responses to lipopolysaccharide, in horses. <i>Veterinary Immunology and Immunopathology</i> , 2022, 250, 110459.	0.5	2
2020	Participation of ecto-5-nucleotidase in the inflammatory response in an adult zebrafish ( <i>Danio rerio</i> ) model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 260, 109402.	1.3	0
2021	ICAM-1 on the luminal surface of endothelial cells is induced to a greater extent in mouse retina than in other tissues in diabetes. <i>Diabetologia</i> , 2022, 65, 1734-1744.	2.9	7
2022	Protective effect of berberine against LPS-induced injury in the intestine: a review. <i>Cell Cycle</i> , 2022, 21, 2365-2378.	1.3	16
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