Kelly L Brown

List of Publications by Year
in descending order

57 papers	3,671 citations	159585 30 h-index	175258 52 g-index
62 all docs	62 docs citations	62 times ranked	5864 citing authors

#	Article	IF	Citations
1	Cationic host defense (antimicrobial) peptides. Current Opinion in Immunology, 2006, 18, 24-30.	5.5	744
2	Modulation of the TLR-Mediated Inflammatory Response by the Endogenous Human Host Defense Peptide LL-37. Journal of Immunology, 2006, 176, 2455-2464.	0.8	491
3	Host defence peptides from invertebrates â€“ emerging antimicrobial strategies. Immunobiology, 2006, 211, 315-322.	1.9	237
4	Intracellular generation of superoxide by the phagocyte NADPH oxidase: How, where, and what for?. Free Radical Biology and Medicine, 2010, 49, 1834-1845.	2.9	170
5	Host Defense Peptide LL-37 Selectively Reduces Proinflammatory Macrophage Responses. Journal of Immunology, 2011, 186, 5497-5505.	0.8	142
6	The Where, When, How, and Why of Hyaluronan Binding by Immune Cells. Frontiers in Immunology, 2015, 6, 150.	4.8	129
7	Galectin-3 functions as an opsonin and enhances the macrophage clearance of apoptotic neutrophils. Glycobiology, 2008, 19, 16-20.	2.5	127
8	Enhanced inflammatory responses of chronic granulomatous disease leukocytes involve ROSâ€independent activation of NFâ€ÎºB. European Journal of Immunology, 2007, 37, 1087-1096.	2.9	95
9	Bovine and human cathelicidin cationic host defense peptides similarly suppress transcriptional responses to bacterial lipopolysaccharide. Journal of Leukocyte Biology, 2006, 80, 1563-1574.	3.3	93
10	Complexities of targeting innate immunity to treat infection. Trends in Immunology, 2007, 28, 260-266.	6.8	91
11	Galectin 3 aggravates joint inflammation and destruction in antigenâ€induced arthritis. Arthritis and Rheumatism, 2011, 63, 445-454.	6.7	90
12	ROS-deficient monocytes have aberrant gene expression that correlates with inflammatory disorders of chronic granulomatous disease. Clinical Immunology, 2008, 129, 90-102.	3.2	86
13	Temporal Characterization of Microglia/Macrophage Phenotypes in a Mouse Model of Neonatal Hypoxic-Ischemic Brain Injury. Frontiers in Cellular Neuroscience, 2016, 10, 286.	3.7	83
14	A role for the cell adhesion molecule CD44 and sulfation in leukocyteâ€“endothelial cell adhesion during an inflammatory response?. Biochemical Pharmacology, 2000, 59, 455-465.	4.4	78
15	Novel anti-infectives: is host defence the answer?. Current Opinion in Biotechnology, 2008, 19, 628-636.	6.6	78
16	Profile of blood cells and inflammatory mediators in periodic fever, aphthous stomatitis, pharyngitis and adenitis (PFAPA) syndrome. BMC Pediatrics, 2010, 10, 65.	1.7	77
17	Endotoxin free hyaluronan and hyaluronan fragments do not stimulate TNF-Î±, interleukin-12 or upregulate co-stimulatory molecules in dendritic cells or macrophages. Scientific Reports, 2016, 6, 36928.	3.3	60
18	Role of Sulfation in CD44-Mediated Hyaluronan Binding Induced by Inflammatory Mediators in Human CD14+ Peripheral Blood Monocytes. Journal of Immunology, 2001, 167, 5367-5374.	0.8	59

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19	Innate defense regulator peptide 1018 protects against perinatal brain injury. Annals of Neurology, 2014, 75, 395-410.	5.3	58
20	The Host Defense Peptide LL-37 Selectively Permeabilizes Apoptotic Leukocytes. Antimicrobial Agents and Chemotherapy, 2009, 53, 1027-1038.	3.2	51
21	Monocyteâ€Derived Interleukinâ€1Î² As the Driver of S100A12â€Induced Sterile Inflammatory Activation of Human Coronary Artery Endothelial Cells: Implications for the Pathogenesis of Kawasaki Disease. Arthritis and Rheumatology, 2019, 71, 792-804.	5.6	50
22	The importance of considering monogenic causes of autoimmunity: A somatic mutation in KRAS causing pediatric Rosai-Dorfman syndrome and systemic lupus erythematosus. Clinical Immunology, 2017, 175, 143-146.	3.2	49
23	Differential Use of Chondroitin Sulfate to Regulate Hyaluronan Binding by Receptor CD44 in Inflammatory and Interleukin 4-activated Macrophages. Journal of Biological Chemistry, 2011, 286, 19179-19190.	3.4	47
24	Elevated Mitochondrial Reactive Oxygen Species and Cellular Redox Imbalance in Human NADPH-Oxidase-Deficient Phagocytes. Frontiers in Immunology, 2017, 8, 1828.	4.8	44
25	IRAK-4 Mutation (Q293X): Rapid Detection and Characterization of Defective Post-Transcriptional TLR/IL-1R Responses in Human Myeloid and Non-Myeloid Cells. Journal of Immunology, 2006, 177, 8202-8211.	0.8	42
26	Manual annotation and analysis of the defensin gene cluster in the C57BL/6J mouse reference genome. BMC Genomics, 2009, 10, 606.	2.8	41
27	Identification of Novel Adenosine Deaminase 2 Gene Variants and Varied Clinical Phenotype in Pediatric Vasculitis. Arthritis and Rheumatology, 2019, 71, 1747-1755.	5.6	41
28	Regulation of hyaluronan binding by F-actin and colocalization of CD44 and phosphorylated ezrin/radixin/moesin (ERM) proteins in myeloid cells. Experimental Cell Research, 2005, 303, 400-414.	2.6	39
29	Increased Intracellular Oxygen Radical Production in Neutrophils During Febrile Episodes of Periodic Fever, Aphthous Stomatitis, Pharyngitis, and Cervical Adenitis Syndrome. Arthritis and Rheumatism, 2013, 65, 2971-2983.	6.7	37
30	Phagocyteâ€derived reactive oxygen species as suppressors of inflammatory disease. Arthritis and Rheumatism, 2008, 58, 2931-2935.	6.7	34
31	Divergent Effects on Phagocytosis by Macrophage-Derived Oxygen Radicals. Journal of Innate Immunity, 2009, 1, 592-598.	3.8	21
32	Clinical practice variation and need for pediatric-specific treatment guidelines among rheumatologists caring for children with ANCA-associated vasculitis: an international clinician survey. Pediatric Rheumatology, 2017, 15, 61.	2.1	20
33	Expression of N-acetylglucosamine 6-O-sulfotransferases (GlcNAc6STs)-1 and -4 in human monocytes: GlcNAc6ST-1 is implicated in the generation of the 6-sulfo N-acetyllactosamine/Lewis x epitope on CD44 and is induced by TNF-Î±. Glycobiology, 2005, 15, 7C-13C.	2.5	19
34	Latent gammaherpesvirus exacerbates arthritis through modification of age-associated B cells. ELife, 2021, 10, .	6.0	18
35	S100A12 Serum Levels and PMN Counts Are Elevated in Childhood Systemic Vasculitides Especially Involving Proteinase 3 Specific Anti-neutrophil Cytoplasmic Antibodies. Frontiers in Pediatrics, 2018, 6, 341.	1.9	16
36	G-protein-coupled receptor independent, immunomodulatory properties of chemokine CXCL9. Cellular Immunology, 2010, 261, 105-113.	3.0	10

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37	Pediatric vasculitis. Current Opinion in Rheumatology, 2015, 27, 493-499.	4.3	10
38	On the road to discovery in periodic fever, aphthous stomatitis, pharyngitis and adenitis (PFAPA) syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E525.	7.1	9
39	Adenosine deaminase 2 activity negatively correlates with age during childhood. Pediatric Rheumatology, 2020, 18, 54.	2.1	9
40	Periodic fever syndromes: beyond the single gene paradigm. Pediatric Rheumatology, 2019, 17, 22.	2.1	8
41	Anti-neutrophil cytoplasmic antibodies (ANCA): Antigen interactions and downstream effects. Journal of Leukocyte Biology, 2020, 108, 617-626.	3.3	7
42	Hyaluronan primes the oxidative burst in human neutrophils. Journal of Leukocyte Biology, 2020, 108, 705-713.	3.3	7
43	Different Disease Endotypes in Phenotypically Similar Vasculitides Affecting Small-to-Medium Sized Blood Vessels. Frontiers in Immunology, 2021, 12, 638571.	4.8	7
44	Treating Neonatal Brain Injury - Promise and Inherent Research Challenges. Recent Patents on Inflammation and Allergy Drug Discovery, 2010, 4, 16-24.	3.6	6
45	Complexity in unclassified auto-inflammatory disease: a case report illustrating the potential for disease arising from the allelic burden of multiple variants. Pediatric Rheumatology, 2019, 17, 70.	2.1	6
46	Cathelicidins. , 2013, , 77-84.		5
47	Comparable type I interferon score determination from PAXgene and Tempus whole blood RNA collection and isolation systems. BMC Research Notes, 2019, 12, 511.	1.4	5
48	Autoantibodies Against Lysosome Associated Membrane Protein-2 (LAMP-2) in Pediatric Chronic Primary Systemic Vasculitis. Frontiers in Immunology, 2020, 11, 624758.	4.8	5
49	Methods for type I interferon detection and their relevance for clinical utility and improved understanding of rheumatic diseases. Clinical and Experimental Rheumatology, 2019, 37, 1077-1083.	0.8	5
50	Robust TLR4-induced gene expression patterns are not an accurate indicator of human immunity. Journal of Translational Medicine, 2010, 8, 6.	4.4	4
51	Galectin-3 Modulates Microglia Inflammation in vitro but Not Neonatal Brain Injury in vivo under Inflammatory Conditions. Developmental Neuroscience, 2021, 43, 296-311.	2.0	4
52	Antimicrobial Host Defence Peptides of Human Neutrophils â€“ Roles in Innate Immunity. Anti-Infective Agents in Medicinal Chemistry, 2008, 7, 155-168.	0.6	2
53	Children with systemic autoinflammatory diseases have multiple, mixed ethnicities that reflect regional ethnic diversity. Clinical and Experimental Rheumatology, 2021, 39, 124-128.	0.8	2
54	Cathelicidins: Cationic Host Defense and Antimicrobial Peptides. , 2006, , 67-74.		1

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55	Measles Lymphadenopathy in a Child With PFAPA Syndrome. Pediatric and Developmental Pathology, 2018, 21, 497-501.	1.0	0
56	The Value of Creativity for Enhancing Translational Ecologies, Insights, and Discoveries. Frontiers in Psychology, 2019, 10, 951.	2.1	0
57	Children with systemic autoinflammatory diseases have multiple, mixed ethnicities that reflect regional ethnic diversity. Clinical and Experimental Rheumatology, 2021, 39 Suppl 132, 124-128.	0.8	0