Danielle G De Souza

List of Publications by Year in descending order

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120 papers 5,297 citations

43 h-index 98622 67 g-index

124 all docs

124 docs citations

times ranked

124

8134 citing authors

#	Article	IF	CITATIONS
1	The Essential Role of the Intestinal Microbiota in Facilitating Acute Inflammatory Responses. Journal of Immunology, 2004, 173, 4137-4146.	0.4	220
2	NLRP3 inflammasome–mediated neutrophil recruitment and hypernociception depend on leukotriene B ₄ in a murine model of gout. Arthritis and Rheumatism, 2012, 64, 474-484.	6.7	202
3	Transient TLR Activation Restores Inflammatory Response and Ability To Control Pulmonary Bacterial Infection in Germfree Mice. Journal of Immunology, 2012, 188, 1411-1420.	0.4	184
4	Increased Mortality and Inflammation in Tumor Necrosis Factor-Stimulated Gene-14 Transgenic Mice after Ischemia and Reperfusion Injury. American Journal of Pathology, 2002, 160, 1755-1765.	1.9	180
5	Hepatic DNA deposition drives drugâ€induced liver injury and inflammation in mice. Hepatology, 2015, 61, 348-360.	3.6	145
6	The chemokine receptors CXCR1/CXCR2 modulate antigenâ€induced arthritis by regulating adhesion of neutrophils to the synovial microvasculature. Arthritis and Rheumatism, 2008, 58, 2329-2337.	6.7	143
7	Anti-inflammatory and analgesic effects of atorvastatin in a rat model of adjuvant-induced arthritis. European Journal of Pharmacology, 2005, 516, 282-289.	1.7	129
8	The Required Role of Endogenously Produced Lipoxin A4 and Annexin-1 for the Production of IL-10 and Inflammatory Hyporesponsiveness in Mice. Journal of Immunology, 2007, 179, 8533-8543.	0.4	121
9	Essential role of platelet-activating factor receptor in the pathogenesis of Dengue virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14138-14143.	3.3	119
10	Inflammatory and Innate Immune Responses in Dengue Infection. American Journal of Pathology, 2013, 182, 1950-1961.	1.9	118
11	Effects of inhibition of PDE4 and TNF-α on local and remote injuries following ischaemia and reperfusion injury. British Journal of Pharmacology, 2001, 134, 985-994.	2.7	111
12	Repertaxin, a novel inhibitor of rat CXCR2 function, inhibits inflammatory responses that follow intestinal ischaemia and reperfusion injury. British Journal of Pharmacology, 2004, 143, 132-142.	2.7	106
13	Contribution of macrophage migration inhibitory factor to the pathogenesis of dengue virus infection. FASEB Journal, 2010, 24, 218-228.	0.2	104
14	The Long Pentraxin PTX3 Is Crucial for Tissue Inflammation after Intestinal Ischemia and Reperfusion in Mice. American Journal of Pathology, 2009, 174, 1309-1318.	1.9	96
15	Acute and sustained inflammation and metabolic dysfunction induced by high refined carbohydrateâ€containing diet in mice. Obesity, 2013, 21, E396-406.	1.5	92
16	Experimental Arthritis Triggers Periodontal Disease in Mice: Involvement of TNF- $\hat{l}\pm$ and the Oral Microbiota. Journal of Immunology, 2011, 187, 3821-3830.	0.4	83
17	Mechanisms of the anti-inflammatory effects of the natural secosteroids physalins in a model of intestinal ischaemia and reperfusion injury. British Journal of Pharmacology, 2005, 146, 244-251.	2.7	82
18	Dual function of the long pentraxin PTX3 in resistance against pulmonary infection with Klebsiella pneumoniae in transgenic mice. Microbes and Infection, 2006, 8, 1321-1329.	1.0	82

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19	Role of Bradykinin B2 and B1 Receptors in the Local, Remote, and Systemic Inflammatory Responses That Follow Intestinal Ischemia and Reperfusion Injury. Journal of Immunology, 2004, 172, 2542-2548.	0.4	79
20	Zika Virus Promotes Neuronal Cell Death in a Non-Cell Autonomous Manner by Triggering the Release of Neurotoxic Factors. Frontiers in Immunology, 2017, 8, 1016.	2.2	77
21	Effects of a BLT receptor antagonist on local and remote reperfusion injuries after transient ischemia of the superior mesenteric artery in rats. European Journal of Pharmacology, 2000, 403, 121-128.	1.7	76
22	Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. Nature Materials, 2018, 17, 971-977.	13.3	74
23	IFN-Î ³ Production Depends on IL-12 and IL-18 Combined Action and Mediates Host Resistance to Dengue Virus Infection in a Nitric Oxide-Dependent Manner. PLoS Neglected Tropical Diseases, 2011, 5, e1449.	1.3	71
24	<i>N</i> -Methyl- <scp>d</scp> -Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. MBio, 2017, 8, .	1.8	70
25	Transmembrane TNFâ€Î± is sufficient for articular inflammation and hypernociception in a mouse model of gout. European Journal of Immunology, 2016, 46, 204-211.	1.6	67
26	Effects of tachykinin NK1 or PAF receptor blockade on the lung injury induced by scorpion venom in rats. European Journal of Pharmacology, 1999, 376, 293-300.	1.7	62
27	Tissue- and Stimulus-Dependent Role of Phosphatidylinositol 3-Kinase Isoforms for Neutrophil Recruitment Induced by Chemoattractants In Vivo. Journal of Immunology, 2007, 179, 7891-7898.	0.4	61
28	NF- \hat{l}^2 B plays a major role during the systemic and local acute inflammatory response following intestinal reperfusion injury. British Journal of Pharmacology, 2005, 145, 246-254.	2.7	60
29	Characterization of Aspergillus fumigatus Extracellular Vesicles and Their Effects on Macrophages and Neutrophils Functions. Frontiers in Microbiology, 2019, 10, 2008.	1.5	60
30	A Model of DENV-3 Infection That Recapitulates Severe Disease and Highlights the Importance of IFN-γ in Host Resistance to Infection. PLoS Neglected Tropical Diseases, 2012, 6, e1663.	1.3	58
31	IL-1-Driven Endogenous IL-10 Production Protects Against the Systemic and Local Acute Inflammatory Response Following Intestinal Reperfusion Injury. Journal of Immunology, 2003, 170, 4759-4766.	0.4	57
32	Inflammasome Activation Is Reactive Oxygen Species Dependent and Mediates Irinotecan-Induced Mucositis through IL- 1^2 and IL- 18 in Mice. American Journal of Pathology, 2014, 184, 2023-2034.	1.9	56
33	Phosphoinositide-3 Kinase \hat{I}^3 Activity Contributes to Sepsis and Organ Damage by Altering Neutrophil Recruitment. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 762-773.	2.5	55
34	Role of the Chemokine Receptors CCR1, CCR2 and CCR4 in the Pathogenesis of Experimental Dengue Infection in Mice. PLoS ONE, 2010, 5, e15680.	1.1	54
35	ILâ€22 modulates ILâ€17A production and controls inflammation and tissue damage in experimental dengue infection. European Journal of Immunology, 2013, 43, 1529-1544.	1.6	54
36	Role of PAF receptors during intestinal ischemia and reperfusion injury. A comparative study between PAF receptor-deficient mice and PAF receptor antagonist treatment. British Journal of Pharmacology, 2003, 139, 733-740.	2.7	53

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37	The CCL3/Macrophage Inflammatory Protein-1α–Binding Protein Evasin-1 Protects from Graft-versus-Host Disease but Does Not Modify Graft-versus-Leukemia in Mice. Journal of Immunology, 2010, 184, 2646-2654.	0.4	51
38	Photodynamic inhibition of Trichophyton rubrum: in vitro activity and the role of oxidative and nitrosative bursts in fungal death. Journal of Antimicrobial Chemotherapy, 2013, 68, 354-361.	1.3	50
39	Dengue virus requires the CCâ€chemokine receptor CCR5 for replication and infection development. Immunology, 2015, 145, 583-596.	2.0	49
40	Therapeutic Effects of Treatment with Anti-TLR2 and Anti-TLR4 Monoclonal Antibodies in Polymicrobial Sepsis. PLoS ONE, 2015, 10, e0132336.	1.1	48
41	Cooperative role of tumour necrosis factor $\hat{\mathbf{e}}\hat{\mathbf{f}}\pm$, interleukin $\hat{\mathbf{e}}\hat{\mathbf{e}}\hat{\mathbf{f}}^2$ and neutrophils in a novel behavioural model that concomitantly demonstrates articular inflammation and hypernociception in mice. British Journal of Pharmacology, 2011, 162, 72-83.	2.7	47
42	The reduction of oxidative stress by nanocomposite Fullerol decreases mucositis severity and reverts leukopenia induced by Irinotecan. Pharmacological Research, 2016, 107, 102-110.	3.1	47
43	Further evidence for an anti-inflammatory role of artesunate in experimental cerebral malaria. Malaria Journal, 2013, 12, 388.	0.8	46
44	Effects of the treatment with glibenclamide, an ATP-sensitive potassium channel blocker, on intestinal ischemia and reperfusion injury. European Journal of Pharmacology, 2007, 556, 215-222.	1.7	45
45	APTO70 (Mirococept), a membrane-localised complement inhibitor, inhibits inflammatory responses that follow intestinal ischaemia and reperfusion injury. British Journal of Pharmacology, 2005, 145, 1027-1034.	2.7	42
46	The balance between the production of tumor necrosis factor-alpha and interleukin-10 determines tissue injury and lethality during intestinal ischemia and reperfusion. Memorias Do Instituto Oswaldo Cruz, 2005, 100, 59-66.	0.8	41
47	Role of the bradykinin B2 receptor for the local and systemic inflammatory response that follows severe reperfusion injury. British Journal of Pharmacology, 2003, 139, 129-139.	2.7	39
48	Lack of plateletâ€activating factor receptor protects mice against dietâ€induced adipose inflammation and insulinâ€resistance despite fat pad expansion. Obesity, 2014, 22, 663-672.	1.5	37
49	Angiotensin-(1-7) Promotes Resolution of Neutrophilic Inflammation in a Model of Antigen-Induced Arthritis in Mice. Frontiers in Immunology, 2017, 8, 1596.	2.2	36
50	Fluconazole Alters the Polysaccharide Capsule of Cryptococcus gattii and Leads to Distinct Behaviors in Murine Cryptococcosis. PLoS ONE, 2014, 9, e112669.	1.1	36
51	Platelet activating factor receptors drive CXC chemokine production, neutrophil influx and edema formation in the lungs of mice injected with Tityus serrulatus venom. Toxicon, 2007, 50, 420-427.	0.8	35
52	Role of tachykinin NK receptors on the local and remote injuries following ischaemia and reperfusion of the superior mesenteric artery in the rat. British Journal of Pharmacology, 2002, 135, 303-312.	2.7	34
53	Adapting to environmental stresses: the role of the microbiota in controlling innate immunity and behavioral responses. Immunological Reviews, 2012, 245, 250-264.	2.8	34
54	Evaluation of the Wound Healing Properties of <i>Hancornia speciosa </i> Leaves. Phytotherapy Research, 2015, 29, 1887-1893.	2.8	34

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55	The Aryl Hydrocarbon Receptor Modulates Production of Cytokines and Reactive Oxygen Species and Development of Myocarditis during Trypanosoma cruzi Infection. Infection and Immunity, 2016, 84, 3071-3082.	1.0	33
56	My <scp>D</scp> 88 is essential for alveolar bone loss induced by <i><scp>A</scp>ggregatibacter actinomycetemcomitans</i> lipopolysaccharide in mice. Molecular Oral Microbiology, 2013, 28, 415-424.	1.3	32
57	in Vitro TNF- <mmi:math id="M1" xmins:mmi="http://www.w3.org/1998/Math/Math/ML"><mmi:mrow><mmi:mi ariant="bold-italic" math="">î±</mmi:mi></mmi:mrow></mmi:math> Inhibitory Activity of Brazilian Plants and Anti-Inflammatory Effect of <i>Stryphnodendron adstringens</i> in an Acute Arthritis Model.	0.5	32
58	Platelet activating factor receptor-deficient mice present delayed interferon-13 upregulation and high susceptibility to Leishmania amazonensis infection. Microbes and Infection, 2006, 8, 2569-2577.	1.0	31
59	Role of CCL3/MIP-1 $\hat{1}$ ± and CCL5/RANTES during acute Trypanosoma cruzi infection in rats. Microbes and Infection, 2010, 12, 669-676.	1.0	29
60	Arthritis-induced alveolar bone loss is associated with changes in the composition of oral microbiota. Anaerobe, 2016, 39, 91-96.	1.0	29
61	Influenza A Virus as a Predisposing Factor for Cryptococcosis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 419.	1.8	29
62	Animal model of arthritis and myositis induced by the Mayaro virus. PLoS Neglected Tropical Diseases, 2019, 13, e0007375.	1.3	29
63	The relevance of leukotrienes for bone resorption induced by mechanical loading. Bone, 2014, 69, 133-138.	1.4	28
64	The absence of microbiota delays the inflammatory response to Cryptococcus gattii. International Journal of Medical Microbiology, 2016, 306, 187-195.	1.5	28
65	Evaluation of laboratory tests for dengue diagnosis in clinical specimens from consecutive patients with suspected dengue in Belo Horizonte, Brazil. Journal of Clinical Virology, 2013, 58, 41-46.	1.6	27
66	Preventive and therapeutic anti-TNF-α therapy with pentoxifylline decreases arthritis and the associated periodontal co-morbidity in mice. Life Sciences, 2013, 93, 423-428.	2.0	27
67	Regulatory effects of IL-18 on cytokine profiles and development of myocarditis during Trypanosoma cruzi infection. Microbes and Infection, 2014, 16, 481-490.	1.0	27
68	Tissue Dependent Role of PTX3 During Ischemia-Reperfusion Injury. Frontiers in Immunology, 2019, 10, 1461.	2.2	27
69	In-depth characterization of congenital Zika syndrome in immunocompetent mice: Antibody-dependent enhancement and an antiviral peptide therapy. EBioMedicine, 2019, 44, 516-529.	2.7	27
70	Colonization by <i>Enterobacteriaceae</i> is crucial for acute inflammatory responses in murine small intestine via regulation of corticosterone production. Gut Microbes, 2020, 11, 1531-1546.	4.3	27
71	Subversion of early innate antiviral responses during antibody-dependent enhancement of Dengue virus infection induces severe disease in immunocompetent mice. Medical Microbiology and Immunology, 2014, 203, 231-250.	2.6	26
72	Effect of a BLT receptor antagonist in a model of severe ischemia and reperfusion injury in the rat. European Journal of Pharmacology, 2002, 440, 61-69.	1.7	25

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73	Role of the Aryl Hydrocarbon Receptor in the Immune Response Profile and Development of Pathology during Plasmodium berghei Anka Infection. Infection and Immunity, 2014, 82, 3127-3140.	1.0	25
74	Dengue-3 encephalitis promotes anxiety-like behavior in mice. Behavioural Brain Research, 2012, 230, 237-242.	1.2	24
75	Anti-inflammatory and Antinociceptive Activities of Azadirachtin in Mice. Planta Medica, 2014, 80, 630-636.	0.7	24
76	$PI3K\hat{I}^3$ controls leukocyte recruitment, tissue injury, and lethality in a model of graft-versus-host disease in mice. Journal of Leukocyte Biology, 2011, 89, 955-964.	1.5	23
77	Melanin Protects Paracoccidioides brasiliensis from the Effects of Antimicrobial Photodynamic Inhibition and Antifungal Drugs. Antimicrobial Agents and Chemotherapy, 2015, 59, 4003-4011.	1.4	23
78	The Pivotal Role of 5-Lipoxygenase-Derived LTB4 in Controlling Pulmonary Paracoccidioidomycosis. PLoS Neglected Tropical Diseases, 2013, 7, e2390.	1.3	22
79	Lipoxin A4 Is Increased in the Plasma of Preeclamptic Women. American Journal of Hypertension, 2016, 29, 1179-1185.	1.0	21
80	Suppressor of cytokine signaling 2 modulates the immune response profile and development of experimental cerebral malaria. Brain, Behavior, and Immunity, 2016, 54, 73-85.	2.0	21
81	A DNA vaccine encoding CCL4/MIP- $1\hat{l}^2$ enhances myocarditis in experimental Trypanosoma cruzi infection in rats. Microbes and Infection, 2006, 8, 2745-2755.	1.0	20
82	MyD88 Mediates the Protective Effects of Probiotics Against the Arteriolar Thrombosis and Leukocyte Recruitment Associated with Experimental Colitis. Inflammatory Bowel Diseases, 2015, 21, 888-900.	0.9	20
83	Nicorandil inhibits neutrophil recruitment in carrageenan-induced experimental pleurisy in mice. European Journal of Pharmacology, 2015, 769, 306-312.	1.7	19
84	sTNFR-1 is an early inflammatory marker in community versus institutionalized elderly women. Inflammation Research, 2010, 59, 129-134.	1.6	18
85	Control of host inflammatory responsiveness by indigenous microbiota reveals an adaptive component of the innate immune system. Microbes and Infection, 2011, 13, 1121-1132.	1.0	18
86	Platelet-activating factor receptor plays a role in the pathogenesis of graft-versus-host disease by regulating leukocyte recruitment, tissue injury, and lethality. Journal of Leukocyte Biology, 2012, 91, 629-639.	1.5	18
87	Viral immunogenicity determines epidemiological fitness in a cohort of DENV-1 infection in Brazil. PLoS Neglected Tropical Diseases, 2018, 12, e0006525.	1.3	17
88	Effect of the Hydroethanolic Extract from Echinodorus grandiflorus Leaves and a Fraction Enriched in Flavone-C-Glycosides on Antigen-Induced Arthritis in Mice. Planta Medica, 2016, 82, 407-413.	0.7	16
89	SOCS2 modulates adipose tissue inflammation and expansion in mice. Journal of Nutritional Biochemistry, 2020, 76, 108304.	1.9	16
90	Platelet-activating factor modulates fat storage in the liver induced by a high-refined carbohydrate-containing diet. Journal of Nutritional Biochemistry, 2015, 26, 978-985.	1.9	15

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91	Platelet-Activating Factor Receptor Blockade Ameliorates Aggregatibacter actinomycetemcomitans-Induced Periodontal Disease in Mice. Infection and Immunity, 2013, 81, 4244-4251.	1.0	13
92	Host Immune Response to ZIKV in an Immunocompetent Embryonic Mouse Model of Intravaginal Infection. Viruses, 2019, 11, 558.	1.5	13
93	Lithothamnion muelleri Controls Inflammatory Responses, Target Organ Injury and Lethality Associated with Graft-versus-Host Disease in Mice. Marine Drugs, 2013, 11, 2595-2615.	2.2	12
94	Treatment with Atorvastatin Provides Additional Benefits to Imipenem in a Model of Gram-Negative Pneumonia Induced by Klebsiella pneumoniae in Mice. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	12
95	Protective effects of the angiotensin type 1 receptor antagonist losartan in infectionâ€induced and arthritisâ€associated alveolar bone loss. Journal of Periodontal Research, 2015, 50, 814-823.	1.4	11
96	In Vitro TNF-α Inhibition Elicited by Extracts from Echinodorus grandiflorus Leaves and Correlation with Their Phytochemical Composition. Planta Medica, 2016, 82, 337-343.	0.7	11
97	Microbiota-Induced Antibodies Are Essential for Host Inflammatory Responsiveness to Sterile and Infectious Stimuli. Journal of Immunology, 2017, 198, 4096-4106.	0.4	11
98	Phosphoinositideâ€3 kinase gamma regulates caspaseâ€1 activation and leukocyte recruitment in acute murine gout. Journal of Leukocyte Biology, 2019, 106, 619-629.	1.5	11
99	Development of a model of Saint Louis encephalitis infection and disease in mice. Journal of Neuroinflammation, 2017, 14, 61.	3.1	10
100	Interleukinâ€33 contributes to disease severity in <i>Dengue virus</i> infection in mice. Immunology, 2018, 155, 477-490.	2.0	10
101	Nanocomposite Treatment Reduces Disease and Lethality in a Murine Model of Acute Graft-versus-Host Disease and Preserves Anti-Tumor Effects. PLoS ONE, 2015, 10, e0123004.	1.1	10
102	Endogenous Acetylcholine Controls the Severity of Polymicrobial Sepsisassociated Inflammatory Response in Mice. Current Neurovascular Research, 2016, 13, 4-9.	0.4	9
103	Circulating Nestin-GFP+ Cells Participate in the Pathogenesis of Paracoccidioides brasiliensis in the Lungs. Stem Cell Reviews and Reports, 2021, 17, 1874-1888.	1.7	9
104	Therapeutic opportunities in dengue infection. Drug Development Research, 2011, 72, 480-500.	1.4	8
105	Protective Response in Experimental Paracoccidioidomycosis Elicited by Extracellular Vesicles Containing Antigens of Paracoccidioides brasiliensis. Cells, 2021, 10, 1813.	1.8	8
106	Lithothamnion muelleri Treatment Ameliorates Inflammatory and Hypernociceptive Responses in Antigen-Induced Arthritis in Mice. PLoS ONE, 2015, 10, e0118356.	1.1	8
107	Opportunities for the development of novel therapies based on host-microbial interactions. Pharmacological Research, 2016, 112, 68-83.	3.1	7
108	Antiadhesive Activity of Polysaccharide-Rich Fractions from Lithothamnion muelleri. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 391-397.	0.6	5

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109	Melanocortin agonism as a viable strategy to control alveolar bone loss induced by oral infection. FASEB Journal, 2016, 30, 4033-4041.	0.2	5
110	The role of 5â€lipoxygenase in <i>Aggregatibacter actinomycetemcomitans</i> â€induced alveolar bone loss. Journal of Clinical Periodontology, 2017, 44, 793-802.	2.3	5
111	cis-Aconitic Acid, a Constituent of Echinodorus grandiflorus Leaves, Inhibits Antigen-Induced Arthritis and Gout in Mice. Planta Medica, 2022, 88, 1123-1131.	0.7	5
112	Type I interferons are essential while type II interferon is dispensable for protection against St. Louis encephalitis virus infection in the mouse brain. Virulence, 2021, 12, 244-259.	1.8	3
113	Histologic and inflammatory lamellar changes in horses with oligofructose-induced laminitis treated with a CXCR1/2 antagonist. Pesquisa Veterinaria Brasileira, 2016, 36, 13-18.	0.5	2
114	Eosinophil plays a crucial role in intestinal mucositis induced by antineoplastic chemotherapy. Immunology, 2022, 165, 355-368.	2.0	2
115	Mitochondrial DNA as a Possible Ligand for TLR9 in Irinotecan-induced Small Intestinal Mucositis. Immunological Investigations, 2022, 51, 1756-1771.	1.0	2
116	Antiâ€Zika Virus Activity of Plant Extracts Containing Polyphenols and Triterpenes on Vero CCLâ€81 and Human Neuroblastoma SHâ€SY5Y Cells. Chemistry and Biodiversity, 2022, 19, .	1.0	2
117	Fcáµ§RIIb protects from reperfusion injury by controlling antibody and type I IFNâ€mediated tissue injury and death. Immunology, 0, , .	2.0	1
118	Adipose tissue inflammation contributes to body weight loss induced by experimental chronic food allergy in mice. Clinical and Translational Allergy, $2011, 1, \ldots$	1.4	0
119	Response to Comment on "Experimental Arthritis Triggers Periodontal Disease in Mice: Involvement of TNF-α and the Oral Microbiota― Journal of Immunology, 2012, 188, 5-6.	0.4	0
120	Evaluation of calcium supplementation with algae (Lithothamnion muelleri) on metabolic and inflammatory parameters in mice fed a high refined carbohydrate-containing diet. International Journal of Food Sciences and Nutrition, 2014, 65, 489-494.	1.3	0