Jean-Marc Cavaillon

List of Publications by Year
in descending order

99	9,854	53794	36028
papers	citations	45 h-index	97 g-index

105	105	105	11138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revisiting Metchnikoff's work in light of the COVID-19 pandemic. Innate Immunity, 2022, 28, 57-66.	2.4	1
2	Louis Pasteur: Between Myth and Reality. Biomolecules, 2022, 12, 596.	4.0	17
3	Once upon a time, inflammation. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2021, 27, e20200147.	1.4	6
4	Bridging animal and clinical research during SARS-CoV-2 pandemic: A new-old challenge. EBioMedicine, 2021, 66, 103291.	6.1	15
5	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. Lancet Respiratory Medicine,the, 2021, 9, 622-642.	10.7	371
6	COVID-19 and earlier pandemics, sepsis, and vaccines: A historical perspective. Journal of Intensive Medicine, 2021, 1, 4-13.	2.1	9
7	AndrÃ© Boivin: A pioneer in endotoxin research and an amazing visionary during the birth of molecular biology. Innate Immunity, 2020, 26, 165-171.	2.4	5
8	SARS-CoV-2/COVID-19: Evolving Reality, Global Response, Knowledge Gaps, and Opportunities. Shock, 2020, 54, 416-437.	2.1	41
9	Sepsis therapies: learning from 30 years of failure of translational research to propose new leads. EMBO Molecular Medicine, 2020, 12, e10128.	6.9	166
10	Duclaux, Chamberland, Roux, Grancher, and Metchnikoff: the five musketeers of Louis Pasteur. Microbes and Infection, 2019, 21, 192-201.	1.9	10
11	Current gaps in sepsis immunology: new opportunities for translational research. Lancet Infectious Diseases, The, 2019, 19, e422-e436.	9.1	205
12	100th Anniversary of Jules Bordet's Nobel Prize: Tribute to a Founding Father of Immunology. Frontiers in Immunology, 2019, 10, 2114.	4.8	22
13	From septicemia to sepsis 3.0 â€“ from Ignaz Semmelweis to Louis Pasteur. Microbes and Infection, 2019, 21, 213-221.	1.9	8
14	From septicemia to sepsis 3.0â€”from Ignaz Semmelweis to Louis Pasteur. Genes and Immunity, 2019, 20, 371-382.	4.1	12
15	Inner sensors of endotoxin â€“ implications for sepsis research and therapy. FEMS Microbiology Reviews, 2019, 43, 239-256.	8.6	43
16	Duclaux, Chamberland, Roux, Grancher, and Metchnikoff: the five musketeers of Louis Pasteur. Genes and Immunity, 2019, 20, 344-356.	4.1	4
17	Part II: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Types of Infections and Organ Dysfunction Endpoints. Shock, 2019, 51, 23-32.	2.1	42
18	H3K4me1 Supports Memory-like NK Cells Induced by Systemic Inflammation. Cell Reports, 2019, 29, 3933-3945.e3.	6.4	42

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19	Immunosuppression is Inappropriately Qualifying the Immune Status of Septic and SIRS Patients. Shock, 2019, 52, 307-317.	2.1	18
20	Historical links between toxinology and immunology. Pathogens and Disease, 2018, 76, .	2.0	13
21	Compartment diversity in innate immune reprogramming. Microbes and Infection, 2018, 20, 156-165.	1.9	11
22	Exotoxins and endotoxins: Inducers of inflammatory cytokines. Toxicon, 2018, 149, 45-53.	1.6	223
23	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): An International Expert Consensus Initiative for Improvement of Animal Modeling in Sepsis. Shock, 2018, 50, 377-380.	2.1	141
24	Gastro-protective, therapeutic and anti-inflammatory activities of Pistacia lentiscus L. fatty oil against ethanol-induced gastric ulcers in rats. Journal of Ethnopharmacology, 2018, 224, 273-282.	4.1	48
25	Circulating biomarkers may be unable to detect infection at the early phase of sepsis in ICU patients: the CAPTAIN prospective multicenter cohort study. Intensive Care Medicine, 2018, 44, 1061-1070.	8.2	60
26	Specific features of human monocytes activation by monophosphoryl lipid A. Scientific Reports, 2018, 8, 7096.	3.3	18
27	New Approaches to Treat Sepsis: Animal Models Â«Do Not WorkÂ» (Review). Obshchaya Reanimatologiya, 2018, 14, 46-53.	1.0	6
28	Fever: Mediators and Mechanisms. , 2017, , 861-890.		0
29	Neutrophils. , 2017, , 253-272.		0
30	Pathogen-associated Molecular Patterns. , 2017, , 17-56.		2
31	Comparative Study of Injury Models for Studying Muscle Regeneration in Mice. PLoS ONE, 2016, 11, e0147198.	2.5	383
32	Local Microenvironment Controls the Compartmentalization of NK Cell Responses during Systemic Inflammation in Mice. Journal of Immunology, 2016, 197, 2444-2454.	0.8	11
33	Administration of Zinc Chelators Improves Survival of Mice Infected with Aspergillus fumigatus both in Monotherapy and in Combination with Caspofungin. Antimicrobial Agents and Chemotherapy, 2016, 60, 5631-5639.	3.2	35
34	Centenary of the death of Elie Metchnikoff: a visionary and an outstanding team leader. Microbes and Infection, 2016, 18, 577-594.	1.9	35
35	Recent developments in severe sepsis research: from bench to bedside and back. Future Microbiology, 2016, 11, 293-314.	2.0	13
36	Infection-Mediated Priming of Phagocytes Protects against Lethal Secondary Aspergillus fumigatus Challenge. PLoS ONE, 2016, 11, e0153829.	2.5	16

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37	Intravenous Immunoglobulin with Enhanced Polyspecificity Improves Survival in Experimental Sepsis and Aseptic Systemic Inflammatory Response Syndromes. Molecular Medicine, 2015, 21, 1002-1010.	4.4	24
38	Host Response Biomarkers in the Diagnosis of Sepsis: A General Overview. Methods in Molecular Biology, 2015, 1237, 149-211.	0.9	52
39	Protective or Deleterious Role of Scavenger Receptors SR-A and CD36 on Host Resistance to Staphylococcus aureus Depends on the Site of Infection. PLoS ONE, 2014, 9, e87927.	2.5	30
40	Joseph Alouf (1929-2014). FEMS Microbiology Letters, 2014, 355, 90-91.	1.8	2
41	CD24-Triggered Caspase-Dependent Apoptosis via Mitochondrial Membrane Depolarization and Reactive Oxygen Species Production of Human Neutrophils Is Impaired in Sepsis. Journal of Immunology, 2014, 192, 2449-2459.	0.8	51
42	Is boosting the immune system in sepsis appropriate?. Critical Care, 2014, 18, 216.	5.8	44
43	Altered immune status of circulating T lymphocytes during sepsis: children also. Critical Care, 2014, 18, 486.	5.8	2
44	Bench-to-bedside review: Natural killer cells in sepsis - guilty or not guilty?. Critical Care, 2013, 17, 235.	5.8	31
45	Bench-to-bedside review: Platelets and active immune functions - new clues for immunopathology?. Critical Care, 2013, 17, 236.	5.8	66
46	Sir Marc Armand Ruffer and Giulio Bizzozero: the first reports on efferocytosis. Journal of Leukocyte Biology, 2013, 93, 39-43.	3.3	12
47	Lung microenvironment contributes to the resistance of alveolar macrophages to develop tolerance to endotoxin*. Critical Care Medicine, 2012, 40, 2987-2996.	0.9	25
48	Good and bad fever. Critical Care, 2012, 16, 119.	5.8	10
49	Toll-like receptors expression and interferon-Î³ production by NK cells in human sepsis. Critical Care, 2012, 16, R206.	5.8	100
50	DNAemia Detection by Multiplex PCR and Biomarkers for Infection in Systemic Inflammatory Response Syndrome Patients. PLoS ONE, 2012, 7, e38916.	2.5	67
51	NK Cell Tolerance to TLR Agonists Mediated by Regulatory T Cells after Polymicrobial Sepsis. Journal of Immunology, 2012, 188, 5850-5858.	0.8	173
52	Polymyxin B for endotoxin removal in sepsis. Lancet Infectious Diseases, The, 2011, 11, 426-427.	9.1	18
53	The historical milestones in the understanding of leukocyte biology initiated by Elie Metchnikoff. Journal of Leukocyte Biology, 2011, 90, 413-424.	3.3	86
54	Mechanisms of TNF induction by heat-killed Staphylococcus aureus differ upon the origin of mononuclear phagocytes. American Journal of Physiology - Cell Physiology, 2011, 300, C850-C859.	4.6	31

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55	Contribution of NOD2 to lung inflammation during Staphylococcus aureus-induced pneumonia. Microbes and Infection, 2010, 12, 759-767.	1.9	45
56	Resilience to Bacterial Infection: Difference between Species Could Be Due to Proteins in Serum. Journal of Infectious Diseases, 2010, 201, 223-232.	4.0	227
57	Biofilm-forming Pseudomonas aeruginosa bacteria undergo lipopolysaccharide structural modifications and induce enhanced inflammatory cytokine response in human monocytes. Innate Immunity, 2010, 16, 288-301.	2.4	62
58	Differential down-regulation of HLA-DR on monocyte subpopulations during systemic inflammation. Critical Care, 2010, 14, R61.	5.8	91
59	Immune status in sepsis: the bug, the site of infection and the severity can make the difference. Critical Care, 2010, 14, 167.	5.8	21
60	Monocyte TREM-1 membrane expression in non-infectious inflammation. Critical Care, 2009, 13, 152.	5.8	22
61	Translocation of bacterial NOD2 agonist and its link with inflammation. Critical Care, 2009, 13, R124.	5.8	19
62	Compensatory anti-inflammatory response syndrome. Thrombosis and Haemostasis, 2009, 101, 36-47.	3.4	292
63	Compensatory anti-inflammatory response syndrome. Thrombosis and Haemostasis, 2009, 101, 36-47.	3.4	156
64	Simple Method for Repurification of Endotoxins for Biological Use. Applied and Environmental Microbiology, 2007, 73, 1803-1808.	3.1	43
65	Contribution of Phagocytosis and Intracellular Sensing for Cytokine Production by Staphylococcus aureus -Activated Macrophages. Infection and Immunity, 2007, 75, 830-837.	2.2	75
66	INCREASED PLASMA LEVELS OF SOLUBLE TRIGGERING RECEPTOR EXPRESSED ON MYELOID CELLS 1 AND PROCALCITONIN AFTER CARDIAC SURGERY AND CARDIAC ARREST WITHOUT INFECTION. Shock, 2007, 28, 406-410.	2.1	65
67	Stress molecules in sepsis and systemic inflammatory response syndrome. FEBS Letters, 2007, 581, 3723-3733.	2.8	117
68	Bench-to-bedside review: endotoxin tolerance as a model of leukocyte reprogramming in sepsis. Critical Care, 2006, 10, 233.	5.8	412
69	Î²2-Adrenoceptor blockade partially restores ex vivo TNF production following hemorrhagic shock. Cytokine, 2006, 34, 212-218.	3.2	15
70	Up-regulation of MyD88s and SIGIRR, molecules inhibiting Toll-like receptor signaling, in monocytes from septic patients*. Critical Care Medicine, 2006, 34, 2377-2385.	0.9	164
71	Compartmentalization of the inflammatory response in sepsis and SIRS. Journal of Endotoxin Research, 2006, 12, 151-170.	2.5	187
72	Invited review: Compartmentalization of the inflammatory response in sepsis and SIRS. Journal of Endotoxin Research, 2006, 12, 151-170.	2.5	55

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73	Corticoids Normalize Leukocyte Production of Macrophage Migration Inhibitory Factor in Septic Shock. Journal of Infectious Diseases, 2005, 191, 138-144.	4.0	42
74	Septic shock. Lancet, The, 2005, 365, 63-78.	13.7	1,282
75	Synergistic stimulation of human monocytes and dendritic cells by Toll-like receptor 4 and NOD1- and NOD2-activating agonists. European Journal of Immunology, 2005, 35, 2459-2470.	2.9	312
76	Compartmentalization of Tolerance to Endotoxin. Journal of Infectious Diseases, 2004, 189, 1295-1303.	4.0	76
77	Richard Pfeiffer and Alexandre Besredka: creators of the concept of endotoxin and anti-endotoxin. Microbes and Infection, 2003, 5, 1407-1414.	1.9	28
78	Toll-like Receptor-mediated Tumor Necrosis Factor and Interleukin-10 Production Differ during Systemic Inflammation. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 158-164.	5.6	106
79	Cytokine Cascade in Sepsis. Scandinavian Journal of Infectious Diseases, 2003, 35, 535-544.	1.5	282
80	Gamma Interferon and Granulocyte/Monocyte Colony-stimulating Factor Prevent Endotoxin Tolerance in Human Monocytes by Promoting Interleukin-1 Receptor-associated Kinase Expression and Its Association to MyD88 and Not by Modulating TLR4 Expression. Journal of Biological Chemistry, 2002, 277, 27927-27934.	3.4	122
81	Successful Cardiopulmonary Resuscitation After Cardiac Arrest as a â€œSepsis-Likeâ€•Syndrome. Circulation, 2002, 106, 562-568.	1.6	878
82	Structural and functional analyses of bacterial lipopolysaccharides. Microbes and Infection, 2002, 4, 915-926.	1.9	174
83	Endotoxin and anti-endotoxin: The contribution of the schools of Koch and Pasteur: Life, milestone-experiments and concepts of Richard Pfeiffer (Berlin) and Alexandre Besredka (Paris). Journal of Endotoxin Research, 2002, 8, 71-82.	2.5	7
84	Review: Immunodepression in sepsis and SIRS assessed by ex vivo cytokine production is not a generalized phenomenon: a review. Journal of Endotoxin Research, 2001, 7, 85-93.	2.5	17
85	EX VIVO T-LYMPHOCYTE DERIVED CYTOKINE PRODUCTION IN SIRS PATIENTS IS INFLUENCED BY EXPERIMENTAL PROCEDURES. Shock, 2000, 13, 169-174.	2.1	42
86	Coupled plasma filtration-adsorption in a rabbit model of endotoxic shock. Critical Care Medicine, 2000, 28, 1526-1533.	0.9	358
87	NF- Îº B Expression in Mononuclear Cells of Patients with Sepsis Resembles That Observed in Lipopolysaccharide Tolerance. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1877-1883.	5.6	192
88	Administration of Endotoxin Associated with Lipopolysaccharide Tolerance Protects Mice against Fungal Infection. Infection and Immunity, 2000, 68, 3748-3753.	2.2	54
89	Lipopolysaccharide-Induced Cytokine Cascade and Lethality in LTÎ±/TNFÎ±-Deficient Mice. Molecular Medicine, 1997, 3, 864-875.	4.4	73
90	Cytokines in Streptococcal Infections. Advances in Experimental Medicine and Biology, 1997, 418, 869-879.	1.6	11

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91	Regulation by anti-inflammatory cytokines (IL-4, IL-10, IL-13, TGFÎ²)of interleukin-8 production by LPS- and/or TNFÎ±-activated human polymorphonuclear cells. Mediators of Inflammation, 1996, 5, 334-340.	3.0	72
92	The nonspecific nature of endotoxin tolerance. Trends in Microbiology, 1995, 3, 320-324.	7.7	134
93	High levels of portal TNF-Î± during abdominal aortic surgery in man. Cytokine, 1993, 5, 448-453.	3.2	77
94	Cytokine Production by Murine Cells Activated by Erythrogenic Toxin Type A Superantigen of Streptococcus pyogenes. Immunobiology, 1992, 186, 435-448.	1.9	21
95	Dissociation between plasma and monocyte-associated cytokines during sepsis. European Journal of Immunology, 1991, 21, 2177-2184.	2.9	164
96	Recombinant C5a enhances interleukin 1 and tumor necrosis factor release by lipopolysaccharideâ€stimulated monocytes and macrophages. European Journal of Immunology, 1990, 20, 253-257.	2.9	182
97	Polymyxin-B inhibition of LPS-induced interleukin-1 secretion by human monocytes is dependent upon the LPS origin. Molecular Immunology, 1986, 23, 965-969.	2.2	113
98	Molecular requirement for interleukin 1 induction by lipopolysaccharide-stimulated human monocytes: Involvement of the heptosyl-2-keto 3-deoxyoctulosonate region. European Journal of Immunology, 1986, 16, 87-91.	2.9	70
99	Inflammation through the Ages: A Historical Perspective. , 0, , 1-16.		1