

# James L Wynn

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/982237/publications.pdf>

Version: 2024-02-01

84  
papers

5,170  
citations

94433

37  
h-index

91884

69  
g-index

87  
all docs

87  
docs citations

87  
times ranked

5935  
citing authors

#	ARTICLE	IF	CITATIONS
1	MyD88-dependent expansion of an immature GR-1+CD11b+ population induces T cell suppression and Th2 polarization in sepsis. <i>Journal of Experimental Medicine</i> , 2007, 204, 1463-1474.	8.5	581
2	Defining neonatal sepsis. <i>Current Opinion in Pediatrics</i> , 2016, 28, 135-140.	2.0	230
3	Time for a Neonatal-Specific Consensus Definition for Sepsis. <i>Pediatric Critical Care Medicine</i> , 2014, 15, 523-528.	0.5	224
4	The Influence of Developmental Age on the Early Transcriptomic Response of Children with Septic Shock. <i>Molecular Medicine</i> , 2011, 17, 1146-1156.	4.4	195
5	Pathophysiology and Treatment of Septic Shock in Neonates. <i>Clinics in Perinatology</i> , 2010, 37, 439-479.	2.1	183
6	The Host Response to Sepsis and Developmental Impact. <i>Pediatrics</i> , 2010, 125, 1031-1041.	2.1	183
7	Defective innate immunity predisposes murine neonates to poor sepsis outcome but is reversed by TLR agonists. <i>Blood</i> , 2008, 112, 1750-1758.	1.4	158
8	B cells enhance early innate immune responses during bacterial sepsis. <i>Journal of Experimental Medicine</i> , 2011, 208, 1673-1682.	8.5	144
9	Why are preterm newborns at increased risk of infection?. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2018, 103, F391-F394.	2.8	144
10	Role of Innate Host Defenses in Susceptibility to Early-Onset Neonatal Sepsis. <i>Clinics in Perinatology</i> , 2010, 37, 307-337.	2.1	142
11	Role of Innate Immunity in Neonatal Infection. <i>American Journal of Perinatology</i> , 2013, 30, 105-112.	1.4	128
12	Reappraisal of Guidelines for Management of Neonates with Suspected Early-Onset Sepsis. <i>Journal of Pediatrics</i> , 2015, 166, 1070-1074.	1.8	128
13	INCREASED MORTALITY AND ALTERED IMMUNITY IN NEONATAL SEPSIS PRODUCED BY GENERALIZED PERITONITIS. <i>Shock</i> , 2007, 28, 675-683.	2.1	127
14	Probiotic microbes: do they need to be alive to be beneficial?. <i>Nutrition Reviews</i> , 2009, 67, 546-550.	5.8	123
15	Increased Natural CD4+CD25+ Regulatory T Cells and Their Suppressor Activity Do Not Contribute to Mortality in Murine Polymicrobial Sepsis. <i>Journal of Immunology</i> , 2006, 177, 7943-7949.	0.8	121
16	Type I interferon signaling in hematopoietic cells is required for survival in mouse polymicrobial sepsis by regulating CXCL10. <i>Journal of Experimental Medicine</i> , 2010, 207, 319-326.	8.5	116
17	Beyond Bacteria: A Study of the Enteric Microbial Consortium in Extremely Low Birth Weight Infants. <i>PLoS ONE</i> , 2011, 6, e27858.	2.5	97
18	Infectious Causes of Necrotizing Enterocolitis. <i>Clinics in Perinatology</i> , 2015, 42, 133-154.	2.1	97

#	ARTICLE	IF	CITATIONS
19	A neonatal sequential organ failure assessment score predicts mortality to late-onset sepsis in preterm very low birth weight infants. <i>Pediatric Research</i> , 2020, 88, 85-90.	2.3	91
20	Targeting IL-17A attenuates neonatal sepsis mortality induced by IL-18. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2627-35.	7.1	83
21	Potential of immunomodulatory agents for prevention and treatment of neonatal sepsis. <i>Journal of Perinatology</i> , 2009, 29, 79-88.	2.0	80
22	Challenges in developing a consensus definition of neonatal sepsis. <i>Pediatric Research</i> , 2020, 88, 14-26.	2.3	80
23	A Prime Time for Trained Immunity: Innate Immune Memory in Newborns and Infants. <i>Neonatology</i> , 2014, 105, 136-141.	2.0	77
24	BCG vaccination-induced emergency granulopoiesis provides rapid protection from neonatal sepsis. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	76
25	Treatment with G1R agonistic antibody corrects adaptive immune dysfunction in sepsis. <i>Blood</i> , 2007, 110, 3673-3681.	1.4	71
26	Immunological Defects in Neonatal Sepsis and Potential Therapeutic Approaches. <i>Frontiers in Pediatrics</i> , 2017, 5, 14.	1.9	65
27	Mechanisms and Regulation of the Gene-Expression Response to Sepsis. <i>Pediatrics</i> , 2010, 125, 1248-1258.	2.1	64
28	Neonatal sepsis: need for consensus definition, collaboration and core outcomes. <i>Pediatric Research</i> , 2020, 88, 2-4.	2.3	58
29	Evaluation of the Neonatal Sequential Organ Failure Assessment and Mortality Risk in Preterm Infants With Late-Onset Infection. <i>JAMA Network Open</i> , 2021, 4, e2036518.	5.9	57
30	Criteria for Pediatric Sepsis—A Systematic Review and Meta-Analysis by the Pediatric Sepsis Definition Taskforce*. <i>Critical Care Medicine</i> , 2022, 50, 21-36.	0.9	55
31	Postnatal Age Is a Critical Determinant of the Neonatal Host Response to Sepsis. <i>Molecular Medicine</i> , 2015, 21, 496-504.	4.4	53
32	Progress in the management of neonatal sepsis: the importance of a consensus definition. <i>Pediatric Research</i> , 2018, 83, 13-15.	2.3	52
33	Outcomes Following Candiduria in Extremely Low Birth Weight Infants. <i>Clinical Infectious Diseases</i> , 2012, 54, 331-339.	5.8	50
34	Heart rate characteristic index monitoring for bloodstream infection in an NICU: a 3-year experience. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2016, 101, F329-F332.	2.8	49
35	Pediatric Sepsis Definition—A Systematic Review Protocol by the Pediatric Sepsis Definition Taskforce. , 2020, 2, e0123.		46
36	Determining Population and Developmental Pharmacokinetics of Metronidazole Using Plasma and Dried Blood Spot Samples From Premature Infants. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 956-961.	2.0	45

#	ARTICLE	IF	CITATIONS
37	Neutrophil chemotaxis and transcriptomics in term and preterm neonates. <i>Translational Research</i> , 2017, 190, 4-15.	5.0	41
38	Critical Role for CXC Ligand 10/CXC Receptor 3 Signaling in the Murine Neonatal Response to Sepsis. <i>Infection and Immunity</i> , 2011, 79, 2746-2754.	2.2	40
39	Unique transcriptomic response to sepsis is observed among patients of different age groups. <i>PLoS ONE</i> , 2017, 12, e0184159.	2.5	40
40	Validation of the Sepsis MetaScore for Diagnosis of Neonatal Sepsis. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2018, 7, 129-135.	1.3	37
41	IL-17 in neonatal health and disease. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12800.	1.2	36
42	Early Sepsis Does Not Increase the Risk of Late Sepsis in Very Low Birth Weight Neonates. <i>Journal of Pediatrics</i> , 2013, 162, 942-948.e3.	1.8	34
43	Neonatal sepsis definitions from randomised clinical trials. <i>Pediatric Research</i> , 2023, 93, 1141-1148.	2.3	34
44	Cell-free hemoglobin increases inflammation, lung apoptosis, and microvascular permeability in murine polymicrobial sepsis. <i>PLoS ONE</i> , 2020, 15, e0228727.	2.5	33
45	Genome-wide association study of sepsis in extremely premature infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2017, 102, F439-F445.	2.8	32
46	Enteral Feeding as an Adjunct to Hypothermia in Neonates with Hypoxic-Ischemic Encephalopathy. <i>Neonatology</i> , 2018, 113, 347-352.	2.0	32
47	Timing of Multiorgan Dysfunction among Hospitalized Infants with Fatal Fulminant Sepsis. <i>American Journal of Perinatology</i> , 2017, 34, 633-639.	1.4	31
48	Histological chorioamnionitis shapes the neonatal transcriptomic immune response. <i>Early Human Development</i> , 2016, 98, 1-6.	1.8	30
49	Cutting Edge: IL-1 $\beta$ and Not IL-1 $\gamma$ Drives IL-1R1-Dependent Neonatal Murine Sepsis Lethality. <i>Journal of Immunology</i> , 2018, 201, 2873-2878.	0.8	30
50	Aminoglycoside-mediated relaxation of the ductus arteriosus in sepsis-associated PDA. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H732-H740.	3.2	29
51	Name and Characteristics of National Institutes of Health R01-Funded Pediatric Physician-Scientists. <i>JAMA Pediatrics</i> , 2018, 172, 297.	6.2	27
52	Chorioamnionitis, IL-17A, and fetal origins of neurologic disease. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12803.	1.2	26
53	Impact of Early-Life Exposures to Infections, Antibiotics, and Vaccines on Perinatal and Long-term Health and Disease. <i>Frontiers in Immunology</i> , 2017, 8, 729.	4.8	25
54	Neonatal CD71+ Erythroid Cells Do Not Modify Murine Sepsis Mortality. <i>Journal of Immunology</i> , 2015, 195, 1064-1070.	0.8	24

#	ARTICLE	IF	CITATIONS
55	TRIF-Dependent Innate Immune Activation Is Critical for Survival to Neonatal Gram-Negative Sepsis. <i>Journal of Immunology</i> , 2015, 194, 1169-1177.	0.8	24
56	Use of a Computerized C-Reactive Protein (CRP) Based Sepsis Evaluation in Very Low Birth Weight (VLBW) Infants: A Five-Year Experience. <i>PLoS ONE</i> , 2013, 8, e78602.	2.5	23
57	Scoring Systems for Organ Dysfunction and Multiple Organ Dysfunction: The PODIUM Consensus Conference. <i>Pediatrics</i> , 2022, 149, S23-S31.	2.1	22
58	Lethal neonatal meningoencephalitis caused by multi-drug resistant, highly virulent <i>Escherichia coli</i> . <i>Infectious Diseases</i> , 2016, 48, 461-466.	2.8	19
59	Rethinking management of neonates at risk of sepsis. <i>Lancet</i> , 2019, 394, 279-281.	13.7	18
60	Sepsis and Mortality Prediction in Very Low Birth Weight Infants: Analysis of HeRO and nSOFA. <i>American Journal of Perinatology</i> , 2023, 40, 407-414.	1.4	17
61	The balance between protective and pathogenic immune responses to pneumonia in the neonatal lung is enforced by gut microbiota. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	17
62	Very low birth weight neonates who survive early-onset sepsis do not have an increased risk of developing late-onset sepsis. <i>Early Human Development</i> , 2012, 88, 905-909.	1.8	15
63	Matrix Metalloproteinase-8 Augments Bacterial Clearance in a Juvenile sepsis Model. <i>Molecular Medicine</i> , 2016, 22, 455-463.	4.4	15
64	Maximum vasoactive-inotropic score and mortality in extremely premature, extremely low birth weight infants. <i>Journal of Perinatology</i> , 2021, 41, 2337-2344.	2.0	14
65	Exploring Clinically-Relevant Experimental Models of Neonatal Shock and Necrotizing Enterocolitis. <i>Shock</i> , 2020, 53, 596-604.	2.1	13
66	Multicenter Validation of the Neonatal Sequential Organ Failure Assessment Score for Prognosis in the Neonatal Intensive Care Unit. <i>Journal of Pediatrics</i> , 2021, 236, 297-300.e1.	1.8	13
67	Very late onset infections in the neonatal intensive care unit. <i>Early Human Development</i> , 2012, 88, 217-225.	1.8	12
68	Impact of toll-like receptor 4 stimulation on human neonatal neutrophil spontaneous migration, transcriptomics, and cytokine production. <i>Journal of Molecular Medicine</i> , 2018, 96, 673-684.	3.9	12
69	Complete Genome Sequence of the Multidrug-Resistant Neonatal Meningitis <i>Escherichia coli</i> Serotype O75:H5:K1 Strain mcjchv-1 (NMEC-O75). <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	11
70	Hourly Kinetics of Critical Organ Dysfunction in Extremely Preterm Infants. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 75-87.	5.6	11
71	Evaluation of the Neonatal Sequential Organ Failure Assessment and Mortality Risk in Preterm Infants with Necrotizing Enterocolitis. <i>Neonatology</i> , 2022, 119, 334-344.	2.0	11
72	Pathophysiology of Neonatal Sepsis. , 2017, , 1536-1552.e10.		9

#	ARTICLE	IF	CITATIONS
73	Survival, bacterial clearance and thrombocytopenia are improved in polymicrobial sepsis by targeting nuclear transport shuttles. PLoS ONE, 2017, 12, e0179468.	2.5	9
74	Limited achievement of NIH research independence by pediatric K award recipients. Pediatric Research, 2018, 84, 479-480.	2.3	7
75	Prolonged early antimicrobials in ELBW: too much for too little. Pediatric Research, 2019, 85, 929-930.	2.3	5
76	Early onset and hospital acquired neonatal sepsis associated with high mortality. Journal of Pediatrics, 2019, 204, 320-323.	1.8	5
77	Editorial: The Neonatal Immune System: A Unique Host-Microbial Interface. Frontiers in Pediatrics, 2017, 5, 274.	1.9	4
78	Fanning the Fire: Can Methemoglobin Enhance Neutrophil Activation?. EBioMedicine, 2015, 2, 184-185.	6.1	3
79	Contribution of Concurrent Comorbidities to Sepsis-Related Mortality in Preterm Infants <math>\leq 32</math> Weeks of Gestation at an Academic Neonatal Intensive Care Network. American Journal of Perinatology, 2024, 41, 134-142.	1.4	3
80	Absence of relationship between serum cortisol and critical illness in premature infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 408-412.	2.8	2
81	The Neonatal Gastrointestinal Tract as a Conduit to Systemic Inflammation and Developmental Delays. , 2012, , 293-304.		0
82	Immunodeficiency diseases of the neonate. , 0, , 255-276.		0
83	Application of metabolomics to neonatal meningitis. Pediatric Research, 2020, 88, 155-156.	2.3	0
84	Immunodeficiency Diseases of the Neonate. , 2021, , 62-92.		0