

# John S. Spencer

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6248315/john-s-spencer-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

3,315  
citations

36  
h-index

54  
g-index

106  
ext. papers

3,794  
ext. citations

6  
avg. IF

4.56  
L-index

#	Paper	IF	Citations
99	Mycobacterium leprae Infection in a Wild Nine-Banded Armadillo, Nuevo Leñ, Mexico. <i>Emerging Infectious Diseases</i> , <b>2022</b> , 28, 747-749	10.2	
98	Mycobacterium leprae Infection in a Wild Nine-Banded Armadillo, Nuevo Leñ, Mexico.. <i>Emerging Infectious Diseases</i> , <b>2022</b> , 28, 747-749	10.2	0
97	Leprosy in wild chimpanzees. <i>Nature</i> , <b>2021</b> , 598, 652-656	50.4	7
96	Latent leprosy infection identified by dual RLEP and anti-PGL-I positivity: Implications for new control strategies. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251631	3.7	1
95	Semmes-Weinstein monofilament: A tool to quantify skin sensation in macular lesions for leprosy diagnosis. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , <b>2021</b> , 87, 807-815	0.8	2
94	Population Genomics of Reveals a New Genotype in Madagascar and the Comoros. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 711	5.7	7
93	The immunology of other mycobacteria: M. ulcerans, M. leprae. <i>Seminars in Immunopathology</i> , <b>2020</b> , 42, 333-353	12	7
92	The Many Hosts of Mycobacteria 8 (MHM8): A conference report. <i>Tuberculosis</i> , <b>2020</b> , 121, 101914	2.6	1
91	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008917	4.8	4
90	Leprosy piRnome: exploring new possibilities for an old disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 12648	4.9	5
89	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
88	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
87	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
86	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
85	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
84	Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917		
83	Fingerstick test quantifying humoral and cellular biomarkers indicative for M. leprae infection. <i>Clinical Biochemistry</i> , <b>2019</b> , 66, 76-82	3.5	12

82	Characterization of the Antigenic Heterogeneity of Lipoarabinomannan, the Major Surface Glycolipid of , and Complexity of Antibody Specificities toward This Antigen. <i>Journal of Immunology</i> , <b>2018</b> , 200, 3053-3066	5.3	39
81	Are leprosy case numbers reliable?. <i>Lancet Infectious Diseases, The</i> , <b>2018</b> , 18, 135-137	25.5	21
80	Phylogenomics and antimicrobial resistance of the leprosy bacillus <i>Mycobacterium leprae</i> . <i>Nature Communications</i> , <b>2018</b> , 9, 352	17.4	61
79	miRNome Expression Analysis Reveals New Players on Leprosy Immune Physiopathology. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 463	8.4	4
78	Detection of lipoarabinomannan in urine and serum of HIV-positive and HIV-negative TB suspects using an improved capture-enzyme linked immuno absorbent assay and gas chromatography/mass spectrometry. <i>Tuberculosis</i> , <b>2018</b> , 111, 178-187	2.6	27
77	Evaluation of Immunodiagnostic Tests for Leprosy in Brazil, China and Ethiopia. <i>Scientific Reports</i> , <b>2018</b> , 8, 17920	4.9	26
76	The effects of prednisolone treatment on serological responses and lipid profiles in Ethiopian leprosy patients with Erythema Nodosum Leprosum reactions. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0007035	4.8	4
75	Evidence of zoonotic leprosy in Par�Brazilian Amazon, and risks associated with human contact or consumption of armadillos. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006532	4.8	45
74	Hyperthermostable binding molecules on phage: Assay components for point-of-care diagnostics for active tuberculosis infection. <i>Analytical Biochemistry</i> , <b>2017</b> , 521, 59-71	3.1	11
73	Leprosy in Children. <i>Current Infectious Disease Reports</i> , <b>2017</b> , 19, 23	3.9	17
72	Immunization against full-length protein and peptides from the <i>Lutzomyia longipalpis</i> sand fly salivary component maxadilan protects against <i>Leishmania major</i> infection in a murine model. <i>Vaccine</i> , <b>2017</b> , 35, 6611-6619	4.1	10
71	Field-friendly serological tests for determination of <i>M. leprae</i> -specific antibodies. <i>Scientific Reports</i> , <b>2017</b> , 7, 8868	4.9	38
70	Evidence of hidden leprosy in a supposedly low endemic area of Brazil. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2017</b> , 112, 822-828	2.6	19
69	Unexpectedly high leprosy seroprevalence detected using a random surveillance strategy in midwestern Brazil: A comparison of ELISA and a rapid diagnostic test. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005375	4.8	39
68	Detection of the tuberculosis antigenic marker mannose-capped lipoarabinomannan in pretreated serum by surface-enhanced Raman scattering. <i>Analyst, The</i> , <b>2016</b> , 142, 186-196	5	31
67	Importance of specimen pretreatment for the low-level detection of mycobacterial lipoarabinomannan in human serum. <i>Analyst, The</i> , <b>2016</b> , 142, 177-185	5	13
66	Boosting BCG-primed responses with a subunit Apa vaccine during the waning phase improves immunity and imparts protection against <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 25837	4.9	14
65	Diguanylate cyclase activity of the <i>Mycobacterium leprae</i> T cell antigen ML1419c. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 1651-1661	2.9	6

64	What do we actually know about leprosy worldwide?. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 778	25.5	26
63	Longitudinal immune profiles in type 1 leprosy reactions in Bangladesh, Brazil, Ethiopia and Nepal. <i>BMC Infectious Diseases</i> , <b>2015</b> , 15, 477	4	41
62	Spatial epidemiology and serologic cohorts increase the early detection of leprosy. <i>BMC Infectious Diseases</i> , <b>2015</b> , 15, 527	4	34
61	The presence of a galactosamine substituent on the arabinogalactan of <i>Mycobacterium tuberculosis</i> abrogates full maturation of human peripheral blood monocyte-derived dendritic cells and increases secretion of IL-10. <i>Tuberculosis</i> , <b>2015</b> , 95, 476-89	2.6	10
60	Field-evaluation of a new lateral flow assay for detection of cellular and humoral immunity against <i>Mycobacterium leprae</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2845	4.8	46
59	Long-term survival and virulence of <i>Mycobacterium leprae</i> in amoebal cysts. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3405	4.8	66
58	IL-10 and NOS2 modulate antigen-specific reactivity and nerve infiltration by T cells in experimental leprosy. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3149	4.8	9
57	Spatial analysis spotlighting early childhood leprosy transmission in a hyperendemic municipality of the Brazilian Amazon region. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2665	4.8	47
56	Inactivation of fructose-1,6-bisphosphate aldolase prevents optimal co-catabolism of glycolytic and gluconeogenic carbon substrates in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004144	7.6	48
55	O-mannosylation of the <i>Mycobacterium tuberculosis</i> adhesin Apa is crucial for T cell antigenicity during infection but is expendable for protection. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003705	7.6	27
54	Gene set signature of reversal reaction type I in leprosy patients. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003624	6	23
53	Gene expression profile and immunological evaluation of unique hypothetical unknown proteins of <i>Mycobacterium leprae</i> by using quantitative real-time PCR. <i>Vaccine Journal</i> , <b>2013</b> , 20, 181-90		5
52	PARK2 mediates interleukin 6 and monocyte chemoattractant protein 1 production by human macrophages. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2015	4.8	38
51	New biomarkers with relevance to leprosy diagnosis applicable in areas hyperendemic for leprosy. <i>Journal of Immunology</i> , <b>2012</b> , 188, 4782-91	5.3	54
50	Identification of serological biomarkers of infection, disease progression and treatment efficacy for leprosy. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2012</b> , 107 Suppl 1, 79-89	2.6	48
49	Pathogen-specific epitopes as epidemiological tools for defining the magnitude of <i>Mycobacterium leprae</i> transmission in areas endemic for leprosy. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1616	4.8	26
48	A bispecific antibody based assay shows potential for detecting tuberculosis in resource constrained laboratory settings. <i>PLoS ONE</i> , <b>2012</b> , 7, e32340	3.7	21
47	Lateral flow assay for simultaneous detection of cellular- and humoral immune responses. <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 1241-6	3.5	75

46	Insight toward early diagnosis of leprosy through analysis of the developing antibody responses of Mycobacterium leprae-infected armadillos. <i>Vaccine Journal</i> , <b>2011</b> , 18, 254-9		28
45	Analysis of antibody responses to Mycobacterium leprae phenolic glycolipid I, lipoarabinomannan, and recombinant proteins to define disease subtype-specific antigenic profiles in leprosy. <i>Vaccine Journal</i> , <b>2011</b> , 18, 260-7		51
44	ML1419c peptide immunization induces Mycobacterium leprae-specific HLA-A*0201-restricted CTL in vivo with potential to kill live mycobacteria. <i>Journal of Immunology</i> , <b>2011</b> , 187, 1393-402	5.3	11
43	Endemic leprosy in New York City. <i>Archives of Dermatology</i> , <b>2011</b> , 147, 624-6		6
42	Glycolytic and non-glycolytic functions of Mycobacterium tuberculosis fructose-1,6-bisphosphate aldolase, an essential enzyme produced by replicating and non-replicating bacilli. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 40219-31	5.4	62
41	The Role of Mycobacterium leprae Phenolic Glycolipid I (PGL-I) in Serodiagnosis and in the Pathogenesis of Leprosy. <i>Leprosy Review</i> , <b>2011</b> , 82, 344-357	0.6	56
40	Comparison of three immunological tests for leprosy diagnosis and detection of subclinical infection. <i>Leprosy Review</i> , <b>2011</b> , 82, 389-401	0.6	36
39	Postgenomic Mycobacterium leprae antigens for cellular and serological diagnosis of M. leprae exposure, infection and leprosy disease. <i>Leprosy Review</i> , <b>2011</b> , 82, 402-421	0.6	33
38	Development of a Mouse Food Pad Model for Detection of Sub Clinical Leprosy. <i>Leprosy Review</i> , <b>2011</b> , 82, 432-444	0.6	6
37	The role of Mycobacterium leprae phenolic glycolipid I (PGL-I) in serodiagnosis and in the pathogenesis of leprosy. <i>Leprosy Review</i> , <b>2011</b> , 82, 344-57	0.6	42
36	Comparison of three immunological tests for leprosy diagnosis and detection of subclinical infection. <i>Leprosy Review</i> , <b>2011</b> , 82, 389-401	0.6	30
35	Postgenomic Mycobacterium leprae antigens for cellular and serological diagnosis of M. leprae exposure, infection and leprosy disease. <i>Leprosy Review</i> , <b>2011</b> , 82, 402-21	0.6	29
34	Development of a mouse food pad model for detection of sub clinical leprosy. <i>Leprosy Review</i> , <b>2011</b> , 82, 432-44	0.6	6
33	Multiple M. tuberculosis phenotypes in mouse and guinea pig lung tissue revealed by a dual-staining approach. <i>PLoS ONE</i> , <b>2010</b> , 5, e11108	3.7	61
32	A modified synthesis and serological evaluation of neoglycoproteins containing the natural disaccharide of PGL-I from Mycobacterium leprae. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3250-3	2.9	14
31	From genome-based in silico predictions to ex vivo verification of leprosy diagnosis. <i>Vaccine Journal</i> , <b>2009</b> , 16, 352-9		36
30	Comparative genomic and phylogeographic analysis of Mycobacterium leprae. <i>Nature Genetics</i> , <b>2009</b> , 41, 1282-9	36.3	293
29	Expression and characterization of recombinant interferon gamma (IFN-gamma) from the nine-banded armadillo ( <i>Dasyus novemcinctus</i> ) and its effect on Mycobacterium leprae-infected macrophages. <i>Cytokine</i> , <b>2008</b> , 43, 124-31	4	8

28	Identification of amino acids and domains required for catalytic activity of DPPR synthase, a cell wall biosynthetic enzyme of <i>Mycobacterium tuberculosis</i> . <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 736-743	2.9	22
27	A new <i>Mycobacterium</i> species causing diffuse lepromatous leprosy. <i>American Journal of Clinical Pathology</i> , <b>2008</b> , 130, 856-64	1.9	167
26	Deciphering the proteomic profile of <i>Mycobacterium leprae</i> cell envelope. <i>Proteomics</i> , <b>2008</b> , 8, 2477-91	4.8	38
25	The level of PPD-specific IFN-gamma-producing CD4+ T cells in the blood predicts the in vivo response to PPD. <i>Tuberculosis</i> , <b>2007</b> , 87, 202-11	2.6	9
24	XCL1 (lymphotactin) chemokine produced by activated CD8 T cells during the chronic stage of infection with <i>Mycobacterium tuberculosis</i> negatively affects production of IFN-gamma by CD4 T cells and participates in granuloma stability. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 82, 1221-9	6.5	44
23	Use of protein microarrays to define the humoral immune response in leprosy patients and identification of disease-state-specific antigenic profiles. <i>Infection and Immunity</i> , <b>2006</b> , 74, 6458-66	3.7	20
22	The carboxy terminus of EmbC from <i>Mycobacterium smegmatis</i> mediates chain length extension of the arabinan in lipoarabinomannan. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 19512-26	5.4	64
21	ML0405 and ML2331 are antigens of <i>Mycobacterium leprae</i> with potential for diagnosis of leprosy. <i>Vaccine Journal</i> , <b>2006</b> , 13, 333-40		39
20	Identification of an Immunomodulating Agent from <i>Mycobacterium leprae</i> . <i>Infection and Immunity</i> , <b>2005</b> , 73, 2744-50	3.7	38
19	On the origin of leprosy. <i>Science</i> , <b>2005</b> , 308, 1040-2	33.3	345
18	Immunological characterization of novel secreted antigens of <i>Mycobacterium tuberculosis</i> . <i>Scandinavian Journal of Immunology</i> , <b>2005</b> , 61, 139-46	3.4	28
17	Identification of specific proteins and peptides in <i>Mycobacterium leprae</i> suitable for the selective diagnosis of leprosy. <i>Journal of Immunology</i> , <b>2005</b> , 175, 7930-8	5.3	61
16	Postgenomic approach to identify novel <i>Mycobacterium leprae</i> antigens with potential to improve immunodiagnosis of infection. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5636-44	3.7	51
15	Comparative analysis of B- and T-cell epitopes of <i>Mycobacterium leprae</i> and <i>Mycobacterium tuberculosis</i> culture filtrate protein 10. <i>Infection and Immunity</i> , <b>2004</b> , 72, 3161-70	3.7	34
14	Continued proteomic analysis of <i>Mycobacterium leprae</i> subcellular fractions. <i>Proteomics</i> , <b>2004</b> , 4, 2942-53	4.8	39
13	Antigenic specificity of the <i>Mycobacterium leprae</i> homologue of ESAT-6. <i>Infection and Immunity</i> , <b>2002</b> , 70, 1010-3	3.7	33
12	Immunological characterization of antigens encoded by the RD1 region of the <i>Mycobacterium tuberculosis</i> genome. <i>Scandinavian Journal of Immunology</i> , <b>2001</b> , 54, 448-52	3.4	55
11	The application of proteomics in defining the T cell antigens of <i>Mycobacterium tuberculosis</i> . <i>Proteomics</i> , <b>2001</b> , 1, 574-86	4.8	97

10	Cell-mediated immune response to tuberculosis antigens: comparison of skin testing and measurement of in vitro gamma interferon production in whole-blood culture. <i>Vaccine Journal</i> , <b>2001</b> , 8, 339-45		28
9	Characterization of the secreted MPT53 antigen of <i>Mycobacterium tuberculosis</i> . <i>Infection and Immunity</i> , <b>2001</b> , 69, 5936-9	3.7	10
8	Further biochemical characterization of <i>Mycobacterium leprae</i> laminin-binding proteins. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2001</b> , 34, 463-70	2.8	11
7	MTSA-10, the product of the Rv3874 gene of <i>Mycobacterium tuberculosis</i> , elicits tuberculosis-specific, delayed-type hypersensitivity in guinea pigs. <i>Infection and Immunity</i> , <b>2000</b> , 68, 990-3	3.7	57
6	Serodiagnostic potential of culture filtrate antigens of <i>Mycobacterium tuberculosis</i> . <i>Vaccine Journal</i> , <b>2000</b> , 7, 662-8		56
5	Characterization of defective I-A surface expression in a mixed isotype expressing murine B cell lymphoma: continued expression of E alpha d A beta d despite competition from restored A alpha d A beta d pairs. <i>International Immunology</i> , <b>1992</b> , 4, 905-15	4.9	1
4	Mixed isotype class II antigen expression. A novel class II molecule is expressed on a murine B cell lymphoma. <i>Journal of Experimental Medicine</i> , <b>1989</b> , 169, 625-40	16.6	22
3	Monoclonal antibodies specific for antigens expressed by rat type II alveolar epithelial and nonciliated bronchiolar cells. <i>Experimental Lung Research</i> , <b>1989</b> , 15, 635-49	2.3	16
2	Continued proteomic analysis of <i>Mycobacterium leprae</i> subcellular fractions 121-140		
1	Leprosy in wild chimpanzees		7