

# Veerle Somers

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

3,358  
citations

109321

35  
h-index

155660

55  
g-index

91  
all docs

91  
docs citations

91  
times ranked

5183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying the clinical, radiological, histological, microbiological, and immunological evolution during the different COVID-19 disease stages using minimal invasive autopsy. <i>Scientific Reports</i> , 2022, 12, 1360.	3.3	7
2	Oligodendroglia-derived extracellular vesicles activate autophagy via LC3B/BAG3 to protect against oxidative stress with an enhanced effect for HSPB8 enriched vesicles. <i>Cell Communication and Signaling</i> , 2022, 20, 58.	6.5	10
3	Pulsed Thermal Method for Monitoring Cell Proliferation in Real-Time. <i>Sensors</i> , 2021, 21, 2440.	3.8	5
4	DNA methylation regulates the expression of the negative transcriptional regulators ID2 and ID4 during OPC differentiation. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6631-6644.	5.4	20
5	Microglial derived extracellular vesicles activate autophagy and mediate multi-target signaling to maintain cellular homeostasis. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12022.	12.2	28
6	Antibodies Against Three Novel Peptides in Early Axial Spondyloarthritis Patients From Two Independent Cohorts. <i>Arthritis and Rheumatology</i> , 2020, 72, 2094-2105.	5.6	9
7	Antigenic Targets of Patient and Maternal Autoantibodies in Autism Spectrum Disorder. <i>Frontiers in Immunology</i> , 2019, 10, 1474.	4.8	18
8	Raising to the Challenge: Building a Federated Biobank to Accelerate Translational Research – The University Biobank Limburg. <i>Frontiers in Medicine</i> , 2019, 6, 224.	2.6	16
9	Phenotypic and Ig Repertoire Analyses Indicate a Common Origin of IgD <sup>+</sup> CD27 <sup>+</sup> Double Negative B Cells in Healthy Individuals and Multiple Sclerosis Patients. <i>Journal of Immunology</i> , 2019, 203, 1650-1664.	0.8	42
10	Letter to the Editor concerning the article “Application of red light phototherapy in the treatment of radioactive dermatitis in patients with head and neck cancer”. <i>World Journal of Surgical Oncology</i> , 2019, 17, 57.	1.9	2
11	Methylglyoxal-Derived Advanced Glycation Endproducts Accumulate in Multiple Sclerosis Lesions. <i>Frontiers in Immunology</i> , 2019, 10, 855.	4.8	30
12	FRI0363 – AUTOANTIBODIES TO THREE NOVEL PEPTIDES IN EARLY AXIAL SPONDYLOARTHRITIS IN TWO INDEPENDENT COHORTS. , 2019, , .		0
13	Biophysical skin measurements to evaluate the effectiveness of photobiomodulation therapy in the prevention of acute radiation dermatitis in breast cancer patients. <i>Supportive Care in Cancer</i> , 2019, 27, 1245-1254.	2.2	25
14	Prevention of acute radiodermatitis by photobiomodulation: A randomized, placebo-controlled trial in breast cancer patients (TRANSDERMIS trial). <i>Lasers in Surgery and Medicine</i> , 2018, 50, 763-771.	2.1	40
15	Dimethyl fumarate treatment in multiple sclerosis: Recent advances in clinical and immunological studies. <i>Autoimmunity Reviews</i> , 2018, 17, 1240-1250.	5.8	90
16	Dimethyl fumarate induces a persistent change in the composition of the innate and adaptive immune system in multiple sclerosis patients. <i>Scientific Reports</i> , 2018, 8, 8194.	3.3	55
17	Interrelation of Diet, Gut Microbiome, and Autoantibody Production. <i>Frontiers in Immunology</i> , 2018, 9, 439.	4.8	52
18	Twelve Weeks of Medium-Intensity Exercise Therapy Affects the Lipoprotein Profile of Multiple Sclerosis Patients. <i>International Journal of Molecular Sciences</i> , 2018, 19, 193.	4.1	8

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19	The Next Generation of Biomarker Research in Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2017, 54, 1482-1499.	4.0	16
20	Relapsing-remitting multiple sclerosis patients display an altered lipoprotein profile with dysfunctional HDL. <i>Scientific Reports</i> , 2017, 7, 43410.	3.3	45
21	Cytomegalovirus infection exacerbates autoimmune mediated neuroinflammation. <i>Scientific Reports</i> , 2017, 7, 663.	3.3	45
22	cDNA phage display for the discovery of theranostic autoantibodies in rheumatoid arthritis. <i>Immunologic Research</i> , 2017, 65, 307-325.	2.9	10
23	Cytotoxic CD4+ T Cells Drive Multiple Sclerosis Progression. <i>Frontiers in Immunology</i> , 2017, 8, 1160.	4.8	62
24	B cells and antibodies in progressive multiple sclerosis: Contribution to neurodegeneration and progression. <i>Autoimmunity Reviews</i> , 2016, 15, 896-899.	5.8	42
25	Anti-SPAG16 antibodies in primary progressive multiple sclerosis are associated with an elevated progression index. <i>European Journal of Neurology</i> , 2016, 23, 722-728.	3.3	11
26	The isotype repertoire of antibodies against novel UH-RA peptides in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 130.	3.5	1
27	Autoantibodies to two novel peptides in seronegative and early rheumatoid arthritis. <i>Rheumatology</i> , 2016, 55, 1431-1436.	1.9	23
28	B cells of multiple sclerosis patients induce autoreactive proinflammatory T cell responses. <i>Clinical Immunology</i> , 2016, 173, 124-132.	3.2	40
29	Antibody profiling identifies novel antigenic targets in spinal cord injury patients. <i>Journal of Neuroinflammation</i> , 2016, 13, 243.	7.2	21
30	Age-Associated B Cells with Proinflammatory Characteristics Are Expanded in a Proportion of Multiple Sclerosis Patients. <i>Journal of Immunology</i> , 2016, 197, 4576-4583.	0.8	145
31	Photobiomodulation for the prevention of radiodermatitis: Preliminary results of a randomized controlled clinical trial in breast cancer patients. <i>Annals of Oncology</i> , 2016, 27, vi511.	1.2	1
32	Detection of novel diagnostic antibodies in ankylosing spondylitis: An overview. <i>Autoimmunity Reviews</i> , 2016, 15, 820-832.	5.8	39
33	B Cells Are Multifunctional Players in Multiple Sclerosis Pathogenesis: Insights from Therapeutic Interventions. <i>Frontiers in Immunology</i> , 2015, 6, 642.	4.8	68
34	Real-time analysis of dual-display phage immobilization and autoantibody screening using quartz crystal microbalance with dissipation monitoring. <i>International Journal of Nanomedicine</i> , 2015, 10, 5237.	6.7	2
35	Circulating Follicular Regulatory T Cells Are Defective in Multiple Sclerosis. <i>Journal of Immunology</i> , 2015, 195, 832-840.	0.8	107
36	The prevalence of vertebral fractures in spondyloarthritis: relation to disease characteristics, bone mineral density, syndesmophytes and history of back pain and trauma. <i>Arthritis Research and Therapy</i> , 2015, 17, 294.	3.5	43

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37	Leukemia inhibitory factor tips the immune balance towards regulatory T cells in multiple sclerosis. <i>Brain, Behavior, and Immunity</i> , 2015, 45, 180-188.	4.1	50
38	Heat-Transfer-Method-Based Cell Culture Quality Assay through Cell Detection by Surface Imprinted Polymers. <i>Langmuir</i> , 2015, 31, 2043-2050.	3.5	29
39	Improving the sensitivity of the heat-transfer method (HTM) for cancer cell detection with optimized sensor chips. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1320-1326.	1.8	13
40	IL-15 Amplifies the Pathogenic Properties of CD4+CD28 <sup>hi</sup> T Cells in Multiple Sclerosis. <i>Journal of Immunology</i> , 2015, 194, 2099-2109.	0.8	60
41	AB0262...Seroconversion and Fluctuation of Current and Novel Biomarkers during Disease Course of RA. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 891.1-891.	0.9	0
42	Clonal heterogeneity of thymic B cells from early-onset myasthenia gravis patients with antibodies against the acetylcholine receptor. <i>Journal of Autoimmunity</i> , 2014, 52, 101-112.	6.5	41
43	Taking a closer look at Spag16 in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2014, 275, 14.	2.3	0
44	Sperm-Associated Antigen 16 Is a Novel Target of the Humoral Autoimmune Response in Multiple Sclerosis. <i>Journal of Immunology</i> , 2014, 193, 2147-2156.	0.8	20
45	Targets of the humoral autoimmune response in multiple sclerosis. <i>Autoimmunity Reviews</i> , 2014, 13, 1126-1137.	5.8	74
46	Construction of helper plasmid-mediated dual-display phage for autoantibody screening in serum. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6365-6373.	3.6	4
47	Identification of a genetic variant for joint damage progression in autoantibody-positive rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 2038-2046.	0.9	40
48	Compositional Changes of B and T Cell Subtypes during Fingolimod Treatment in Multiple Sclerosis Patients: A 12-Month Follow-Up Study. <i>PLoS ONE</i> , 2014, 9, e111115.	2.5	78
49	Selective Identification of Macrophages and Cancer Cells Based on Thermal Transport through Surface-Imprinted Polymer Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7258-7267.	8.0	69
50	Autoantigen induced clonal expansion in immortalized B cells from the peripheral blood of multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2013, 261, 98-107.	2.3	6
51	Identification of coronin-1a as a novel antibody target for clinically isolated syndrome and multiple sclerosis. <i>Journal of Neurochemistry</i> , 2013, 126, 483-492.	3.9	13
52	OP0181...New Autoantibodies as Biomarkers for Early and Seronegative Rheumatoid Arthritis. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A114.2-A114.	0.9	0
53	CX3CR1 drives cytotoxic CD4+CD28 <sup>hi</sup> T cells into the brain of multiple sclerosis patients. <i>Journal of Autoimmunity</i> , 2012, 38, 10-19.	6.5	104
54	Novel cerebrospinal fluid and serum autoantibody targets for clinically isolated syndrome. <i>Journal of Neurochemistry</i> , 2012, 123, 568-577.	3.9	11

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55	Novel autoantibody markers for early and seronegative rheumatoid arthritis. Journal of Autoimmunity, 2011, 36, 33-46.	6.5	56
56	The Use of Phages and Aptamers as Alternatives to Antibodies in Medical and Food Diagnostics. , 2011, , .		2
57	Citrullineâ€modified phage display: A novel highâ€throughput discovery approach for the identification of citrullineâ€containing ligands. Proteomics, 2011, 11, 2550-2554.	2.2	3
58	Frameshifting in the P6 cDNA Phage Display System. Molecules, 2010, 15, 9380-9390.	3.8	6
59	A novel method for making human monoclonal antibodies. Journal of Autoimmunity, 2010, 35, 130-134.	6.5	36
60	cDNA phage display as a novel tool to screen for cellular targets of chemical compounds. Toxicology in Vitro, 2010, 24, 1435-1440.	2.4	22
61	The auto-antigen repertoire in myasthenia gravis. Autoimmunity, 2010, 43, 380-400.	2.6	48
62	Optimization of Highâ€throughput Autoantibody Profiling for the Discovery of Novel Antigenic Targets in Rheumatoid Arthritis. Annals of the New York Academy of Sciences, 2009, 1173, 92-102.	3.8	12
63	Multiplexing approaches for autoantibody profiling in multiple sclerosis. Autoimmunity Reviews, 2009, 8, 573-579.	5.8	31
64	B cell characterization and reactivity analysis in multiple sclerosis. Autoimmunity Reviews, 2009, 8, 654-658.	5.8	47
65	OR.11. Discovery of Novel Antigenic Targets and Autoantibody Markers in Rheumatoid Arthritis. Clinical Immunology, 2009, 131, S8-S9.	3.2	0
66	F.133. Antibody-producing Monoclonal B Cell Lines from Multiple Sclerosis Patients Obtained by B Cell Immortalization. Clinical Immunology, 2009, 131, S129-S130.	3.2	1
67	S.32. Antibodies Against Sperm Associated Antigen 16 as a Novel Disease Marker for Multiple Sclerosis. Clinical Immunology, 2009, 131, S141-S142.	3.2	0
68	Analysis of antibody reactivity in paired cerebrospinal fluid and serum of a relapsing remitting multiple sclerosis patient. Autoimmunity, 2009, 42, 699-704.	2.6	8
69	Compromised CD4 <sup>+</sup> â€fCD25 <sup>high</sup> regulatory Tâ€cell function in patients with relapsingâ€remitting multiple sclerosis is correlated with a reduced frequency of FOXP3â€positive cells and reduced FOXP3 expression at the singleâ€cell level. Immunology, 2008, 123, 79-89.	4.4	304
70	Autoantibody Profiling in Multiple Sclerosis Reveals Novel Antigenic Candidates. Journal of Immunology, 2008, 180, 3957-3963.	0.8	51
71	Noninvasive diagnosis of ruptured peripheral atherosclerotic lesions and myocardial infarction by antibody profiling. Journal of Clinical Investigation, 2008, 118, 2979-85.	8.2	19
72	Identification and Characterization of ErbB-3-Binding Protein-1 as a Target for Immunotherapy. Journal of Immunology, 2007, 179, 2005-2012.	0.8	14

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73	CD4+CD28null T Cells in Autoimmune Disease: Pathogenic Features and Decreased Susceptibility to Immunoregulation. <i>Journal of Immunology</i> , 2007, 179, 6514-6523.	0.8	169
74	Analyses of immunosenescent markers in patients with autoimmune disease. <i>Clinical Immunology</i> , 2007, 123, 209-218.	3.2	132
75	Reduced Number of Blood Circulating Foxp3+CD25highCD4+ Regulatory T Cells and a Decreased Foxp3 Expression at the Single-cell Level in Patients with Relapsing-remitting Multiple Sclerosis. <i>Clinical Immunology</i> , 2007, 123, S150.	3.2	0
76	A CFSE based assay for measuring CD4+CD25+ regulatory T cell mediated suppression of auto-antigen specific and polyclonal T cell responses. <i>Journal of Immunological Methods</i> , 2007, 322, 1-11.	1.4	123
77	Exploring cDNA Phage Display for Autoantibody Profiling in the Serum of Multiple Sclerosis Patients: Optimization of the Selection Procedure. <i>Annals of the New York Academy of Sciences</i> , 2007, 1109, 372-384.	3.8	18
78	Lumbar Cerebrospinal Fluid Proteome in Multiple Sclerosis:Â Characterization by Ultrafiltration, Liquid Chromatography, and Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 1647-1657.	3.7	71
79	No association of leukemia inhibitory factor (LIF) DNA polymorphisms with multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2006, 171, 189-192.	2.3	5
80	Premature Immunosenescence in Rheumatoid Arthritis and Multiple Sclerosis Patients. <i>Annals of the New York Academy of Sciences</i> , 2005, 1051, 255-262.	3.8	113
81	Profiling the autoantibody repertoire by serological antigen selection. <i>Journal of Autoimmunity</i> , 2005, 25, 223-228.	6.5	24
82	Immunoregulation of Autoimmunity by Natural Killer T Cells. <i>Human Immunology</i> , 2005, 66, 1193-1202.	2.4	72
83	Peripheral blood but not synovial fluid natural killer T cells are biased towards a Th1-like phenotype in rheumatoid arthritis. <i>Arthritis Research</i> , 2005, 7, R493.	2.0	45
84	A Panel of Candidate Tumor Antigens in Colorectal Cancer Revealed by the Serological Selection of a Phage Displayed cDNA Expression Library. <i>Journal of Immunology</i> , 2002, 169, 2772-2780.	0.8	62
85	New Protocol for DNA Extraction of Stool. <i>BioTechniques</i> , 2000, 28, 286-290.	1.8	37
86	Additional value of Kâ€ras point mutations in bronchial wash fluids for diagnosis of peripheral lung tumours. <i>European Respiratory Journal</i> , 1999, 13, 1120.	6.7	5
87	Exonuclease enhances hybridization efficiency: Improved direct cycle sequencing and point mutation detection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1379, 42-52.	2.4	7
88	A rapid, reliable method for detection of known point mutations: Point-EXACCT. <i>Nucleic Acids Research</i> , 1994, 22, 4840-4841.	14.5	16
89	Altered Circulating Immune Cell Distribution in Traumatic Spinal Cord Injury Patients in Relation to Clinical Parameters. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8