

# Vassili Soumelis

## List of Publications by Year in descending order

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71  
papers

13,823  
citations

87888

38  
h-index

85541

71  
g-index

80  
all docs

80  
docs citations

80  
times ranked

20244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiobjective semisupervised learning with a right-censored endpoint adapted to the multiple imputation framework. <i>Biometrical Journal</i> , 2022, 64, 1446-1466.	1.0	1
2	Transcriptome-based identification of novel endotypes in adult atopic dermatitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1486-1498.	5.7	8
3	A multivariate modeling framework to quantify immune checkpoint context-dependent stimulation on T cells. <i>Cell Discovery</i> , 2022, 8, 1.	6.7	14
4	INFLUENCE OF FLG LOSS-OF-FUNCTION MUTATIONS IN HOST-MICROBE INTERACTIONS DURING ATOPIC SKIN INFLAMMATION. <i>Journal of Dermatological Science</i> , 2022, , .	1.9	0
5	PD-L1 and ICOSL discriminate human Secretary and Helper dendritic cells in cancer, allergy and autoimmunity. <i>Nature Communications</i> , 2022, 13, 1983.	12.8	12
6	The MYCN inhibitor BGA002 restores the retinoic acid response leading to differentiation or apoptosis by the mTOR block in MYCN-amplified neuroblastoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 160.	8.6	8
7	TH cell diversity and response to dupilumab in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 756-759.	2.9	20
8	Clustering with missing and left-censored data: A simulation study comparing multiple-imputation-based procedures. <i>Biometrical Journal</i> , 2021, 63, 372-393.	1.0	7
9	Microbial and transcriptional differences elucidate atopic dermatitis heterogeneity across skin sites. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1173-1187.	5.7	16
10	SARS-CoV-2 induces human plasmacytoid dendritic cell diversification via UNC93B and IRAK4. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	107
11	MYCN Drives a Tumor Immunosuppressive Environment Which Impacts Survival in Neuroblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 625207.	2.8	21
12	Dissection of intercellular communication using the transcriptome-based framework ICELLNET. <i>Nature Communications</i> , 2021, 12, 1089.	12.8	105
13	Interplay between SMAD2 and STAT5A is a critical determinant of IL-17A/IL-17F differential expression. <i>Molecular Biomedicine</i> , 2021, 2, 9.	4.4	6
14	Single-cell RNA sequencing of blood antigen-presenting cells in severe COVID-19 reveals multi-process defects in antiviral immunity. <i>Nature Cell Biology</i> , 2021, 23, 538-551.	10.3	114
15	Modeling the Th17 and Tregs Paradigm: Implications for Cancer Immunotherapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 675099.	3.7	6
16	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , 2021, 6, .	11.9	267
17	Compartmentalized multicellular crosstalk in lymph nodes coordinates the generation of potent cellular and humoral immune responses. <i>European Journal of Immunology</i> , 2021, , .	2.9	5
18	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, .	12.6	1,749

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19	MMP2 as an independent prognostic stratifier in oral cavity cancers. <i>Oncolmmunology</i> , 2020, 9, 1754094.	4.6	15
20	The discovery of human TSLP as a critical epithelial cytokine in type 2 immunity and allergic disease. <i>Nature Immunology</i> , 2020, 21, 1471-1473.	14.5	5
21	Deciphering the combinatorial landscape of immunity. <i>ELife</i> , 2020, 9, .	6.0	6
22	Aberrant fucosylation enables breast cancer clusterin to interact with dendritic cell-specific ICAM-grabbing non-integrin (DC-SIGN). <i>Oncolmmunology</i> , 2019, 8, e1629257.	4.6	18
23	Microbe-host interplay in atopic dermatitis and psoriasis. <i>Nature Communications</i> , 2019, 10, 4703.	12.8	217
24	A multiscale signalling network map of innate immune response in cancer reveals cell heterogeneity signatures. <i>Nature Communications</i> , 2019, 10, 4808.	12.8	44
25	A Novel MYCN-Specific Antigene Oligonucleotide Deregulates Mitochondria and Inhibits Tumor Growth in MYCN-Amplified Neuroblastoma. <i>Cancer Research</i> , 2019, 79, 6166-6177.	0.9	27
26	A Quantitative Multivariate Model of Human Dendritic Cell-T Helper Cell Communication. <i>Cell</i> , 2019, 179, 432-447.e21.	28.9	23
27	TLR1/2 orchestrate human plasmacytoid predendritic cell response to gram+ bacteria. <i>PLoS Biology</i> , 2019, 17, e3000209.	5.6	20
28	Wnt1 silences chemokine genes in dendritic cells and induces adaptive immune resistance in lung adenocarcinoma. <i>Nature Communications</i> , 2019, 10, 1405.	12.8	68
29	Plasmacytoid pre-dendritic cells (pDC): from molecular pathways to function and disease association. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 24-35.	5.0	47
30	Fibroblast Heterogeneity and Immunosuppressive Environment in Human Breast Cancer. <i>Cancer Cell</i> , 2018, 33, 463-479.e10.	16.8	1,074
31	Diversification of human plasmacytoid predendritic cells in response to a single stimulus. <i>Nature Immunology</i> , 2018, 19, 63-75.	14.5	106
32	EHD2 is a mechanotransducer connecting caveolae dynamics with gene transcription. <i>Journal of Cell Biology</i> , 2018, 217, 4092-4105.	5.2	63
33	Adjustment of dendritic cells to the breast-cancer microenvironment is subset specific. <i>Nature Immunology</i> , 2018, 19, 885-897.	14.5	152
34	TSLP-activated dendritic cells induce human T follicular helper cell differentiation through OX40-ligand. <i>Journal of Experimental Medicine</i> , 2017, 214, 1529-1546.	8.5	109
35	Of Human DC Migrants and Residents. <i>Immunity</i> , 2017, 46, 342-344.	14.3	11
36	Ligandâ€œreceptor dissociated expression explains high TSLP without prognostic impact in human primary head and neck squamous cell carcinoma. <i>Oncolmmunology</i> , 2016, 5, e1179414.	4.6	5

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37	No evidence for TSLP pathway activity in human breast cancer. <i>Oncolmunology</i> , 2016, 5, e1178438.	4.6	38
38	Breast Cancer Cellâ€‘Derived GM-CSF Licenses Regulatory Th2 Induction by Plasmacytoid Predendritic Cells in Aggressive Disease Subtypes. <i>Cancer Research</i> , 2015, 75, 2775-2787.	0.9	49
39	Using Transcriptional Signatures to Assess Immune Cell Function: From Basic Mechanisms to Immune-Related Disease. <i>Journal of Molecular Biology</i> , 2015, 427, 3356-3367.	4.2	6
40	Systems approaches to unravel innate immune cell diversity, environmental plasticity and functional specialization. <i>Current Opinion in Immunology</i> , 2015, 32, 42-47.	5.5	8
41	Combinatorial code governing cellular responses to complex stimuli. <i>Nature Communications</i> , 2015, 6, 6847.	12.8	32
42	Combinatorial flexibility of cytokine function during human T helper cell differentiation. <i>Nature Communications</i> , 2014, 5, 3987.	12.8	38
43	A sensory neuronâ€‘expressed IL-31 receptor mediates Thâ€‘dependent itch: Involvement of TRPV1 and TRPA1. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 448-460.e7.	2.9	556
44	Thymic stromal lymphopoietin links keratinocytes and dendritic cellâ€‘derived IL-23 in patients with psoriasis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 373-381.e4.	2.9	74
45	Model Checking to Assess T-Helper Cell Plasticity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 86.	4.1	82
46	Skin thymic stromal lymphopoietin initiates Th2 responses through an orchestrated immune cascade. <i>Nature Communications</i> , 2013, 4, 2847.	12.8	140
47	Human Inflammatory Dendritic Cells Induce Th17 Cell Differentiation. <i>Immunity</i> , 2013, 38, 336-348.	14.3	556
48	Epithelial control of the human pDC response to extracellular bacteria. <i>European Journal of Immunology</i> , 2013, 43, 1264-1273.	2.9	36
49	HCV glycoprotein E2 is a novel BDCA-2 ligand and acts as an inhibitor of IFN production by plasmacytoid dendritic cells. <i>Blood</i> , 2012, 120, 4544-4551.	1.4	58
50	Multiple-checkpoint inhibition of thymic stromal lymphopoietinâ€‘induced TH2 response by TH17-related cytokines. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 233-240.e5.	2.9	27
51	TSLP: From allergy to vaccine adjuvant. <i>European Journal of Immunology</i> , 2012, 42, 293-295.	2.9	10
52	A Modular View of Cytokine Networks in Atopic Dermatitis. <i>Clinical Reviews in Allergy and Immunology</i> , 2011, 41, 245-253.	6.5	56
53	Systematic cytokine receptor profiling reveals GM-CSF as a novel TLR-independent activator of human plasmacytoid predendritic cells. <i>Blood</i> , 2010, 115, 5037-5040.	1.4	48
54	Toll-like receptor control of glucocorticoid-induced apoptosis in human plasmacytoid predendritic cells (pDCs). <i>Blood</i> , 2010, 116, 3389-3397.	1.4	50

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55	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , 2010, 6, 10.	0.1	23
56	Developmental regulation of MHC II expression and transport in human plasmacytoid-derived dendritic cells. <i>Blood</i> , 2009, 113, 2127-2135.	1.4	35
57	A critical function for transforming growth factor- $\beta$ , interleukin 23 and proinflammatory cytokines in driving and modulating human TH-17 responses. <i>Nature Immunology</i> , 2008, 9, 650-657.	14.5	844
58	PI3K is critical for the nuclear translocation of IRF-7 and type I IFN production by human plasmacytoid dendritic cells in response to TLR activation. <i>Journal of Experimental Medicine</i> , 2008, 205, 315-322.	8.5	215
59	Cutting Edge: Proinflammatory and Th2 Cytokines Synergize to Induce Thymic Stromal Lymphopoietin Production by Human Skin Keratinocytes. <i>Journal of Immunology</i> , 2007, 178, 3373-3377.	0.8	250
60	TSLP: An Epithelial Cell Cytokine that Regulates T Cell Differentiation by Conditioning Dendritic Cell Maturation. <i>Annual Review of Immunology</i> , 2007, 25, 193-219.	21.8	566
61	Cutting Edge: Nonproliferating Mature Immune Cells Form a Novel Type of Organized Lymphoid Structure in Idiopathic Pulmonary Fibrosis. <i>Journal of Immunology</i> , 2006, 176, 5735-5739.	0.8	157
62	Human TSLP promotes CD40 ligand-induced IL-12 production by myeloid dendritic cells but maintains their Th2 priming potential. <i>Blood</i> , 2005, 105, 4749-4751.	1.4	59
63	Human thymic stromal lymphopoietin promotes dendritic cell-mediated CD4+ T cell homeostatic expansion. <i>Nature Immunology</i> , 2004, 5, 426-434.	14.5	217
64	Human thymic stromal lymphopoietin: a novel epithelial cell-derived cytokine and a potential key player in the induction of allergic inflammation. <i>Seminars in Immunopathology</i> , 2004, 25, 325-333.	4.0	80
65	Human Dendritic Cells Activated by TSLP and CD40L Induce Proallergic Cytotoxic T Cells. <i>Journal of Experimental Medicine</i> , 2003, 197, 1059-1063.	8.5	134
66	Natural type 1 interferon producing cells in HIV infection. <i>Human Immunology</i> , 2002, 63, 1206-1212.	2.4	37
67	Human epithelial cells trigger dendritic cell-mediated allergic inflammation by producing TSLP. <i>Nature Immunology</i> , 2002, 3, 673-680.	14.5	1,847
68	Depletion of circulating natural type 1 interferon-producing cells in HIV-infected AIDS patients. <i>Blood</i> , 2001, 98, 906-912.	1.4	349
69	Dendritic cell lineage, plasticity and cross-regulation. <i>Nature Immunology</i> , 2001, 2, 585-589.	14.5	552
70	Human Thymic Stromal Lymphopoietin Preferentially Stimulates Myeloid Cells. <i>Journal of Immunology</i> , 2001, 167, 336-343.	0.8	359
71	Reciprocal Control of T Helper Cell and Dendritic Cell Differentiation. <i>Science</i> , 1999, 283, 1183-1186.	12.6	1,735