

Guillaume van Niel

List of Publications by Citations

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58

papers

12,664

citations

35

h-index

67

g-index

67

ext. papers

17,036

ext. citations

12.8

avg, IF

6.71

L-index

#	Paper	IF	Citations
58	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4	3642
57	Shedding light on the cell biology of extracellular vesicles. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 213-228	48.7	2729
56	Analysis of ESCRT functions in exosome biogenesis, composition and secretion highlights the heterogeneity of extracellular vesicles. <i>Journal of Cell Science</i> , 2013 , 126, 5553-65	5.3	788
55	Exosomes: a common pathway for a specialized function. <i>Journal of Biochemistry</i> , 2006 , 140, 13-21	3.1	649
54	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017 , 14, 228-232	21.6	560
53	Intestinal epithelial cells secrete exosome-like vesicles. <i>Gastroenterology</i> , 2001 , 121, 337-49	13.3	528
52	The tetraspanin CD63 regulates ESCRT-independent and -dependent endosomal sorting during melanogenesis. <i>Developmental Cell</i> , 2011 , 21, 708-21	10.2	495
51	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. <i>ACS Nano</i> , 2016 , 10, 3886-99	16.7	304
50	MHC II in dendritic cells is targeted to lysosomes or T cell-induced exosomes via distinct multivesicular body pathways. <i>Traffic</i> , 2009 , 10, 1528-42	5.7	284
49	Secretory IgA mediates retrotranscytosis of intact gliadin peptides via the transferrin receptor in celiac disease. <i>Journal of Experimental Medicine</i> , 2008 , 205, 143-54	16.6	215
48	Restricted Location of PSEN2/βSecretase Determines Substrate Specificity and Generates an Intracellular AβPool. <i>Cell</i> , 2016 , 166, 193-208	56.2	181
47	T84-intestinal epithelial exosomes bear MHC class II/peptide complexes potentiating antigen presentation by dendritic cells. <i>Gastroenterology</i> , 2007 , 132, 1866-76	13.3	178
46	Emerging roles of extracellular vesicles in the nervous system. <i>Journal of Neuroscience</i> , 2014 , 34, 15482-8	8.6	166
45	Dendritic cells regulate exposure of MHC class II at their plasma membrane by oligoubiquitination. <i>Immunity</i> , 2006 , 25, 885-94	32.3	152
44	Live Tracking of Inter-organ Communication by Endogenous Exosomes In Vivo. <i>Developmental Cell</i> , 2019 , 48, 573-589.e4	10.2	136
43	Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling. <i>Journal of Cell Biology</i> , 2018 , 217, 1129-1142	7.3	124
42	BACE2 processes PMEL to form the melanosome amyloid matrix in pigment cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10658-63	11.5	116

41	Exosomes released by keratinocytes modulate melanocyte pigmentation. <i>Nature Communications</i> , 2015 , 6, 7506	17.4	112
40	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1684862	16.4	97
39	PMEL: a pigment cell-specific model for functional amyloid formation. <i>Pigment Cell and Melanoma Research</i> , 2013 , 26, 300-15	4.5	96
38	Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. <i>Developmental Cell</i> , 2019 , 48, 554-572.e7	10.2	95
37	Distinct lipid compositions of two types of human prostasomes. <i>Proteomics</i> , 2013 , 13, 1660-6	4.8	95
36	N-terminal domains elicit formation of functional Pmel17 amyloid fibrils. <i>Journal of Biological Chemistry</i> , 2009 , 284, 35543-55	5.4	79
35	Apolipoprotein E Regulates Amyloid Formation within Endosomes of Pigment Cells. <i>Cell Reports</i> , 2015 , 13, 43-51	10.6	77
34	Tubular clathrin/AP-2 lattices pinch collagen fibers to support 3D cell migration. <i>Science</i> , 2017 , 356,	33.3	65
33	Endosomal sorting of MHC class II determines antigen presentation by dendritic cells. <i>Current Opinion in Cell Biology</i> , 2008 , 20, 437-44	9	56
32	PMEL Amyloid Fibril Formation: The Bright Steps of Pigmentation. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	53
31	PIKfyve activity regulates reformation of terminal storage lysosomes from endolysosomes. <i>Traffic</i> , 2017 , 18, 747-757	5.7	52
30	To be or not to be... secreted as exosomes, a balance finely tuned by the mechanisms of biogenesis. <i>Essays in Biochemistry</i> , 2018 , 62, 177-191	7.6	47
29	Liver Metastasis Is Facilitated by the Adherence of Circulating Tumor Cells to Vascular Fibronectin Deposits. <i>Cancer Research</i> , 2017 , 77, 3431-3441	10.1	46
28	Metastasis suppressor tetraspanin CD82/KAI1 regulates ubiquitylation of epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , 2013 , 288, 26323-26334	5.4	45
27	Real-time imaging of multivesicular body-plasma membrane fusion to quantify exosome release from single cells. <i>Nature Protocols</i> , 2020 , 15, 102-121	18.8	38
26	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , 2021 , 18, 1013-1026	10.26	38
25	A new ALK isoform transported by extracellular vesicles confers drug resistance to melanoma cells. <i>Molecular Cancer</i> , 2018 , 17, 145	42.1	37
24	The epithelial cell cytoskeleton and intracellular trafficking. II. Intestinal epithelial cell exosomes: perspectives on their structure and function. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, G251-5	5.1	36

23	Role of the N-terminal transmembrane domain in the endo-lysosomal targeting and function of the human ABCB6 protein. <i>Biochemical Journal</i> , 2015 , 467, 127-39	3.8	27
22	Origin and role of the cerebrospinal fluid bidirectional flow in the central canal. <i>ELife</i> , 2020 , 9,	8.9	26
21	Extracellular Vesicles: Catching the Light in Zebrafish. <i>Trends in Cell Biology</i> , 2019 , 29, 770-776	18.3	24
20	Gastric Helicobacter infection inhibits development of oral tolerance to food antigens in mice. <i>Infection and Immunity</i> , 2003 , 71, 5219-24	3.7	22
19	International Society for Extracellular Vesicles: first annual meeting, April 17-21, 2012: ISEV-2012. <i>Journal of Extracellular Vesicles</i> , 2012 , 1, 19995	16.4	21
18	Challenges and directions in studying cell-cell communication by extracellular vesicles.. <i>Nature Reviews Molecular Cell Biology</i> , 2022 ,	48.7	20
17	Endosomally stored MHC class II does not contribute to antigen presentation by dendritic cells at inflammatory conditions. <i>Traffic</i> , 2011 , 12, 1025-36	5.7	17
16	Rab4A organizes endosomal domains for sorting cargo to lysosome-related organelles. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	13
15	The PIKfyve complex regulates the early melanosome homeostasis required for physiological amyloid formation. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	10
14	Transmissible Endosomal Intoxication: A Balance between Exosomes and Lysosomes at the Basis of Intercellular Amyloid Propagation. <i>Biomedicines</i> , 2020 , 8,	4.8	9
13	Study of Exosomes Shed New Light on Physiology of Amyloidogenesis. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 327-42	4.6	9
12	ABCB6 Resides in Melanosomes and Regulates Early Steps of Melanogenesis Required for PMEL Amyloid Matrix Formation. <i>Journal of Molecular Biology</i> , 2018 , 430, 3802-3818	6.5	9
11	LAMP2A regulates the loading of proteins into exosomes.. <i>Science Advances</i> , 2022 , 8, eabm1140	14.3	8
10	Recent electrokinetic strategies for isolation, enrichment and separation of extracellular vesicles. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116179	14.6	5
9	Live tracking of inter-organ communication by endogenous exosomes in vivo		4
8	Zebrafish as a preclinical model for Extracellular Vesicle-based therapeutic development. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113815	18.5	4
7	Rapid Isolation of Rare Isotype-Switched Hybridoma Variants: Application to the Generation of IgG2a and IgG2b MAb to CD63, a Late Endosome and Exosome Marker. <i>Antibodies</i> , 2020 , 9,	7	2
6	Extracellular vesicles and homeostasis-An emerging field in bioscience research. <i>FASEB BioAdvances</i> , 2021 , 3, 456-458	2.8	2

5	In vivo imaging of EVs in zebrafish: New perspectives from "the waterside". <i>FASEB BioAdvances</i> , 2021 , 3, 918-929	2.8	2
4	Studying the fate of tumor extracellular vesicles at high spatio-temporal resolution using the zebrafish embryo		1
3	Origin of the bidirectionality of cerebrospinal fluid flow and impact on long-range transport between brain and spinal cord		1
2	Secretory IgA mediates retrotranscytosis of intact gliadin peptides via the transferrin receptor in celiac disease. <i>Journal of Cell Biology</i> , 2008 , 180, i1-i1	7.3	0
1	Zebrafish Melanoma-Derived Interstitial EVs Are Carriers of ncRNAs That Induce Inflammation. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5510	6.3	