

Guillaume van Niel

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

21,064
citations

87843

38
h-index

133188

59
g-index

67
all docs

67
docs citations

67
times ranked

24440
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.5	6,961
2	Shedding light on the cell biology of extracellular vesicles. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 213-228.	16.1	5,024
3	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.	1.2	1,035
4	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017, 14, 228-232.	9.0	886
5	Exosomes: A Common Pathway for a Specialized Function. <i>Journal of Biochemistry</i> , 2006, 140, 13-21.	0.9	780
6	The Tetraspanin CD63 Regulates ESCRT-Independent and -Dependent Endosomal Sorting during Melanogenesis. <i>Developmental Cell</i> , 2011, 21, 708-721.	3.1	687
7	Intestinal epithelial cells secrete exosome-like vesicles. <i>Gastroenterology</i> , 2001, 121, 337-349.	0.6	597
8	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. <i>ACS Nano</i> , 2016, 10, 3886-3899.	7.3	397
9	Challenges and directions in studying cell-cell communication by extracellular vesicles. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 369-382.	16.1	365
10	MHC II in Dendritic Cells is Targeted to Lysosomes or T Cell-Induced Exosomes Via Distinct Multivesicular Body Pathways. <i>Traffic</i> , 2009, 10, 1528-1542.	1.3	347
11	Restricted Location of PSEN2/β ³ -Secretase Determines Substrate Specificity and Generates an Intracellular Aβ ² Pool. <i>Cell</i> , 2016, 166, 193-208.	13.5	260
12	Secretory IgA mediates retrotranscytosis of intact gliadin peptides via the transferrin receptor in celiac disease. <i>Journal of Experimental Medicine</i> , 2008, 205, 143-154.	4.2	257
13	Live Tracking of Inter-organ Communication by Endogenous Exosomes In Vivo. <i>Developmental Cell</i> , 2019, 48, 573-589.e4.	3.1	231
14	Quantifying exosome secretion from single cells reveals a modulatory role for GPCR signaling. <i>Journal of Cell Biology</i> , 2018, 217, 1129-1142.	2.3	227
15	T84-Intestinal Epithelial Exosomes Bear MHC Class II/Peptide Complexes Potentiating Antigen Presentation by Dendritic Cells. <i>Gastroenterology</i> , 2007, 132, 1866-1876.	0.6	224
16	Emerging Roles of Extracellular Vesicles in the Nervous System. <i>Journal of Neuroscience</i> , 2014, 34, 15482-15489.	1.7	219
17	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.	5.5	177
18	Dendritic Cells Regulate Exposure of MHC Class II at Their Plasma Membrane by Oligoubiquitination. <i>Immunity</i> , 2006, 25, 885-894.	6.6	163

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19	Exosomes released by keratinocytes modulate melanocyte pigmentation. <i>Nature Communications</i> , 2015, 6, 7506.	5.8	163
20	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , 2021, 18, 1013-1026.	9.0	163
21	Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. <i>Developmental Cell</i> , 2019, 48, 554-572.e7.	3.1	160
22	<scp>PMEL</scp>: a pigment cell-specific model for functional amyloid formation. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 300-315.	1.5	143
23	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, 10658-10663.	3.3	136
24	Distinct lipid compositions of two types of human prostasomes. <i>Proteomics</i> , 2013, 13, 1660-1666.	1.3	120
25	Apolipoprotein E Regulates Amyloid Formation within Endosomes of Pigment Cells. <i>Cell Reports</i> , 2015, 13, 43-51.	2.9	109
26	N-terminal Domains Elicit Formation of Functional Pmel17 Amyloid Fibrils. <i>Journal of Biological Chemistry</i> , 2009, 284, 35543-35555.	1.6	101
27	Tubular clathrin/AP-2 lattices pinch collagen fibers to support 3D cell migration. <i>Science</i> , 2017, 356, .	6.0	94
28	<scp>PIKfyve</scp> activity regulates reformation of terminal storage lysosomes from endolysosomes. <i>Traffic</i> , 2017, 18, 747-757.	1.3	85
29	Real-time imaging of multivesicular body-plasma membrane fusion to quantify exosome release from single cells. <i>Nature Protocols</i> , 2020, 15, 102-121.	5.5	84
30	PMEL Amyloid Fibril Formation: The Bright Steps of Pigmentation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1438.	1.8	76
31	Endosomal sorting of MHC class II determines antigen presentation by dendritic cells. <i>Current Opinion in Cell Biology</i> , 2008, 20, 437-444.	2.6	70
32	LAMP2A regulates the loading of proteins into exosomes. <i>Science Advances</i> , 2022, 8, eabm1140.	4.7	69
33	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.	2.1	65
34	Liver Metastasis Is Facilitated by the Adherence of Circulating Tumor Cells to Vascular Fibronectin Deposits. <i>Cancer Research</i> , 2017, 77, 3431-3441.	0.4	60
35	Metastasis Suppressor Tetraspanin CD82/KAI1 Regulates Ubiquitylation of Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 2013, 288, 26323-26334.	1.6	57
36	A new ALK isoform transported by extracellular vesicles confers drug resistance to melanoma cells. <i>Molecular Cancer</i> , 2018, 17, 145.	7.9	54

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37	Origin and role of the cerebrospinal fluid bidirectional flow in the central canal. <i>ELife</i> , 2020, 9, .	2.8	52
38	II. Intestinal epithelial cell exosomes: perspectives on their structure and function. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, G251-G255.	1.6	43
39	Extracellular Vesicles: Catching the Light in Zebrafish. <i>Trends in Cell Biology</i> , 2019, 29, 770-776.	3.6	38
40	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, 127-139.	1.7	36
41	Gastric <i>Helicobacter</i> Infection Inhibits Development of Oral Tolerance to Food Antigens in Mice. <i>Infection and Immunity</i> , 2003, 71, 5219-5224.	1.0	24
42	International Society for Extracellular Vesicles: first annual meeting, April 17-21, 2012: ISEV-2012. <i>Journal of Extracellular Vesicles</i> , 2012, 1, 19995.	5.5	22
43	PIKfyve complex regulates early melanosome homeostasis required for physiological amyloid formation. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	22
44	Endosomally Stored MHC Class II Does Not Contribute to Antigen Presentation by Dendritic Cells at Inflammatory Conditions. <i>Traffic</i> , 2011, 12, 1025-1036.	1.3	20
45	Rab4A organizes endosomal domains for sorting cargo to lysosome-related organelles. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	18
46	Transmissible Endosomal Intoxication: A Balance between Exosomes and Lysosomes at the Basis of Intercellular Amyloid Propagation. <i>Biomedicines</i> , 2020, 8, 272.	1.4	18
47	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.	2.0	17
48	Study of Exosomes Shed New Light on Physiology of Amyloidogenesis. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 327-342.	1.7	13
49	Extracellular vesicles and homeostasis: An emerging field in bioscience research. <i>FASEB BioAdvances</i> , 2021, 3, 456-458.	1.3	13
50	Zebrafish as a preclinical model for Extracellular Vesicle-based therapeutic development. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113815.	6.6	12
51	Recent electrokinetic strategies for isolation, enrichment and separation of extracellular vesicles. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116179.	5.8	11
52	In vivo imaging of EVs in zebrafish: New perspectives from "the waterside". <i>FASEB BioAdvances</i> , 2021, 3, 918-929.	1.3	7
53	Rapid Isolation of Rare Isotype-Switched Hybridoma Variants: Application to the Generation of IgG2a and IgG2b MAbs to CD63, a Late Endosome and Exosome Marker. <i>Antibodies</i> , 2020, 9, 29.	1.2	6
54	Extracellular vesicles: eat glutamine and spit acidic bubbles. <i>EMBO Journal</i> , 2020, 39, e105119.	3.5	3

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55	Zebrafish Melanoma-Derived Interstitial EVs Are Carriers of ncRNAs That Induce Inflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5510.	1.8	3
56	Technological and translational challenges for extracellular vesicle in therapy and diagnosis. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114026.	6.6	2
57	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.	2.3	2
58	Real-time imaging assay of multivesicular body-PM fusion to quantify exosome release from single cells. <i>Protocol Exchange</i> , 0, , .	0.3	1