

Marca H M Wauben

List of Publications by Year in descending order

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65
papers

13,363
citations

87888

38
h-index

106344

65
g-index

69
all docs

69
docs citations

69
times ranked

17303
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27066.	12.2	3,973
2	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. <i>PLoS Biology</i> , 2012, 10, e1001450.	5.6	1,064
3	Applying extracellular vesicles based therapeutics in clinical trials – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 30087.	12.2	1,020
4	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017, 14, 228-232.	19.0	886
5	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2016, 5, 32945.	12.2	703
6	Deep sequencing of RNA from immune cell-derived vesicles uncovers the selective incorporation of small non-coding RNA biotypes with potential regulatory functions. <i>Nucleic Acids Research</i> , 2012, 40, 9272-9285.	14.5	595
7	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1286095.	12.2	561
8	Fluorescent labeling of nano-sized vesicles released by cells and subsequent quantitative and qualitative analysis by high-resolution flow cytometry. <i>Nature Protocols</i> , 2012, 7, 1311-1326.	12.0	453
9	A novel community driven software for functional enrichment analysis of extracellular vesicles data. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1321455.	12.2	314
10	Concise Review: Developing Best-Practice Models for the Therapeutic Use of Extracellular Vesicles. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1730-1739.	3.3	247
11	MIFlowCyt–EV: a framework for standardized reporting of extracellular vesicle flow cytometry experiments. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1713526.	12.2	243
12	Quantitative and qualitative flow cytometric analysis of nanosized cell-derived membrane vesicles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 712-720.	3.3	221
13	Recovery of extracellular vesicles from human breast milk is influenced by sample collection and vesicle isolation procedures. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	12.2	219
14	Identification of Distinct Populations of Prostatomes That Differentially Express Prostate Stem Cell Antigen, Annexin A1, and GLIPR2 in Humans1. <i>Biology of Reproduction</i> , 2012, 86, 82.	2.7	183
15	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.	12.2	177
16	Prerequisites for the analysis and sorting of extracellular vesicle subpopulations by high-resolution flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 135-147.	1.5	162
17	Anergic T cells actively suppress T cell responses via the antigen-presenting cell. <i>European Journal of Immunology</i> , 1998, 28, 2902-2912.	2.9	160
18	Human adipocyte extracellular vesicles in reciprocal signaling between adipocytes and macrophages. <i>Obesity</i> , 2014, 22, 1296-1308.	3.0	142

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19	Comprehensive Proteomic Analysis of Human Milk-derived Extracellular Vesicles Unveils a Novel Functional Proteome Distinct from Other Milk Components. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3412-3423.	3.8	129
20	Effect of extracellular vesicles of human adipose tissue on insulin signaling in liver and muscle cells. <i>Obesity</i> , 2014, 22, 2216-2223.	3.0	128
21	Plasma vesicle miRNAs for therapy response monitoring in Hodgkin lymphoma patients. <i>JCI Insight</i> , 2016, 1, e89631.	5.0	121
22	Artificial antigen-presenting cells as a tool to exploit the immune 'synapse'. <i>Nature Medicine</i> , 2000, 6, 1406-1410.	30.7	117
23	Abundantly Present miRNAs in Milk-Derived Extracellular Vesicles Are Conserved Between Mammals. <i>Frontiers in Nutrition</i> , 2018, 5, 81.	3.7	110
24	The generation and use of recombinant extracellular vesicles as biological reference material. <i>Nature Communications</i> , 2019, 10, 3288.	12.8	96
25	Considerations towards a roadmap for collection, handling and storage of blood extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1647027.	12.2	96
26	CD4 ⁺ T cell activation promotes the differential release of distinct populations of nanosized vesicles. <i>Journal of Extracellular Vesicles</i> , 2012, 1, .	12.2	78
27	AFM-Based High-Throughput Nanomechanical Screening of Single Extracellular Vesicles. <i>Analytical Chemistry</i> , 2020, 92, 10274-10282.	6.5	72
28	The role of extracellular vesicles when innate meets adaptive. <i>Seminars in Immunopathology</i> , 2018, 40, 439-452.	6.1	66
29	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1473707.	12.2	60
30	Circulating Extracellular Vesicles Contain miRNAs and are Released as Early Biomarkers for Cardiac Injury. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 291-301.	2.4	59
31	Immune stimuli shape the small non-coding transcriptome of extracellular vesicles released by dendritic cells. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3857-3875.	5.4	57
32	Activation of Resolution Pathways to Prevent and Fight Chronic Inflammation: Lessons From Asthma and Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2019, 10, 1699.	4.8	54
33	T cell reactivity to an epitope of the mycobacterial 65-kDa heat-shock protein (hsp 65) corresponds with arthritis susceptibility in rats and is regulated by hsp 65-specific cellular responses. <i>European Journal of Immunology</i> , 1991, 21, 1289-1296.	2.9	51
34	Antigen presentation by T cells versus professional antigen-presenting cells (APC): differential consequences for T cell activation and subsequent T cell-APC interactions. <i>European Journal of Immunology</i> , 1999, 29, 1543-1550.	2.9	51
35	Human milk extracellular vesicles target nodes in interconnected signalling pathways that enhance oral epithelial barrier function and dampen immune responses. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12071.	12.2	50
36	Mast Cell Degranulation Is Accompanied by the Release of a Selective Subset of Extracellular Vesicles That Contain Mast Cell-Specific Proteases. <i>Journal of Immunology</i> , 2016, 197, 3382-3392.	0.8	49

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37	Dynamics of dendritic cell-derived vesicles: high-resolution flow cytometric analysis of extracellular vesicle quantity and quality. <i>Journal of Leukocyte Biology</i> , 2012, 93, 395-402.	3.3	48
38	Picornavirus infection induces temporal release of multiple extracellular vesicle subsets that differ in molecular composition and infectious potential. <i>PLoS Pathogens</i> , 2019, 15, e1007594.	4.7	46
39	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. <i>Cardiovascular Research</i> , 2023, 119, 45-63.	3.8	44
40	Highlights of the São Paulo ISEV workshop on extracellular vesicles in cross-kingdom communication. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1407213.	12.2	38
41	Regular Industrial Processing of Bovine Milk Impacts the Integrity and Molecular Composition of Extracellular Vesicles. <i>Journal of Nutrition</i> , 2021, 151, 1416-1425.	2.9	37
42	Immune Cell-derived Vesicles: Modulators and Mediators of Inflammation. <i>Current Pharmaceutical Design</i> , 2012, 18, 2357-2368.	1.9	35
43	Beneficial effect of modified peptide inhibitor of $\alpha 4$ integrins on experimental allergic encephalomyelitis in Lewis rats. <i>Journal of Neuroscience Research</i> , 2002, 67, 191-199.	2.9	34
44	Extracellular Vesicles in Joint Disease and Therapy. <i>Frontiers in Immunology</i> , 2018, 9, 2575.	4.8	34
45	Augmented Colorimetric Nanoplasmonic (CONAN) Method for Grading Purity and Determine Concentration of EV Microliter Volume Solutions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 452.	4.1	29
46	(Altered) Self Peptides and the Regulation of Self Reactivity in the Peripheral T cell Pool. <i>Immunological Reviews</i> , 1996, 149, 55-73.	6.0	28
47	Synovial fluid pretreatment with hyaluronidase facilitates isolation of CD44+ extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2016, 5, 31751.	12.2	28
48	Efficient Neutrophil Activation Requires Two Simultaneous Activating Stimuli. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10106.	4.1	28
49	Notochordal-cell derived extracellular vesicles exert regenerative effects on canine and human nucleus pulposus cells. <i>Oncotarget</i> , 2017, 8, 88845-88856.	1.8	27
50	Inhibition of experimental autoimmune myasthenia gravis by major histocompatibility complex class II competitor peptides results not only in a suppressed but also in an altered immune response. <i>European Journal of Immunology</i> , 1996, 26, 2866-2875.	2.9	19
51	Selection of T-cell epitopes from foot-and-mouth disease virus reflects the binding affinity to different cattle MHC class II molecules. <i>Immunogenetics</i> , 2000, 51, 733-742.	2.4	17
52	Improved Flow Cytometric Light Scatter Detection of Submicron-Sized Particles by Reduction of Optical Background Signals. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 610-619.	1.5	17
53	Liposomes with incorporated MHC class II/peptide complexes as antigen presenting vesicles for specific T cell activation. <i>Pharmaceutical Research</i> , 1999, 16, 198-204.	3.5	15
54	Secretion of pro-angiogenic extracellular vesicles during hypoxia is dependent on the autophagy-related protein GABARAP1. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12166.	12.2	14

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55	Searching for the Cartilage-associated Mimicry Epitope in Adjuvant Arthritis. <i>Autoimmunity</i> , 2002, 35, 201-210.	2.6	11
56	Inhibition of entire myelin basic protein-induced experimental autoimmune encephalomyelitis in Lewis rats by major histocompatibility complex class II-binding competitor peptides. <i>European Journal of Immunology</i> , 1994, 24, 1053-1060.	2.9	9
57	Heat-shock proteins as antigens in autoimmunity. <i>Biochemical Society Transactions</i> , 1991, 19, 171-175.	3.4	8
58	Induction of T cell energy by liposomes with incorporated major histocompatibility complex (MHC) II/peptide complexes. <i>Pharmaceutical Research</i> , 2000, 17, 720-726.	3.5	8
59	Natural Tâ€cell ligands that are created by genetic variants can be transferred between cells by extracellular vesicles. <i>European Journal of Immunology</i> , 2018, 48, 1621-1631.	2.9	7
60	Nasal application of a naturally processed and presented T cell epitope derived from TCR AV11 protects against adjuvant arthritis. <i>International Immunology</i> , 2000, 12, 1715-1721.	4.0	3
61	Extracellular Vesicles: A New Source of Biomarkers in Pediatric Solid Tumors? A Systematic Review. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	3
62	Coimmunization of MHC Class II Competitor Peptides during Experimental Autoimmune Myasthenia Gravis Induction Resulted Not Only in a Suppressed, but Also in an Altered Immune Response. <i>Annals of the New York Academy of Sciences</i> , 1998, 841, 338-341.	3.8	2
63	Modulation of T cell responses after cross-talk between antigen presenting cells and T cells: a give-and-take relationship. <i>Novartis Foundation Symposium</i> , 2003, 252, 211-20; discussion 220-5, 257-67.	1.1	2
64	Modulation of T Cell Responses after Cross-Talk between Antigen Presenting Cells and T Cells: A Give-And-Take Relationship. <i>Novartis Foundation Symposium</i> , 2008, , 211-225.	1.1	1
65	CBM-14GLIOBLASTOMA CELLS EXPOSED TO 5-ALA RELEASE PROTOPORPHYRIN IX CONTAINING EXTRACELLULAR VESICLES DETECTABLE BY HIGH-RESOLUTION FLOW CYTOMETRY. <i>Neuro-Oncology</i> , 2015, 17, v72.1-v72.	1.2	1