Eva-Maria Krmer-Albers

List of Publications by Citations

69 papers	11,967 citations	34 h-index	74 g-index
74 ext. papers	15,526 ext. citations	8.3 avg, IF	5.58 L-index

#	Paper	IF	Citations
69	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. *Journal of Extracellular Vesicles*, **2018**, 7, 1535750	16.4	3642
68	Biological properties of extracellular vesicles and their physiological functions. *Journal of Extracellular Vesicles*, **2015**, 4, 27066	16.4	2611
67	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. *PLoS Biology*, **2012**, 10, e1001450	9.7	800
66	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. *Journal of Extracellular Vesicles*, **2015**, 4, 30087	16.4	722
65	Neurotransmitter-triggered transfer of exosomes mediates oligodendrocyte-neuron communication. *PLoS Biology*, **2013**, 11, e1001604	9.7	503
64	Oligodendrocytes secrete exosomes containing major myelin and stress-protective proteins: Trophic support for axons?. *Proteomics - Clinical Applications*, **2007**, 1, 1446-61	3.1	326
63	Extracellular vesicles as mediators of neuron-glia communication. *Frontiers in Cellular Neuroscience*, **2013**, 7, 182	6.1	245
62	Assembly of myelin by association of proteolipid protein with cholesterol- and galactosylceramide-rich membrane domains. *Journal of Cell Biology*, **2000**, 151, 143-54	7.3	240
61	Lines of murine oligodendroglial precursor cells immortalized by an activated neu tyrosine kinase show distinct degrees of interaction with axons in vitro and in vivo. *European Journal of Neuroscience*, **1995**, 7, 1245-65	3.5	208
60	Process outgrowth of oligodendrocytes is promoted by interaction of fyn kinase with the cytoskeletal protein tau. *Journal of Neuroscience*, **2002**, 22, 698-707	6.6	202
59	Emerging roles of exosomes in neuron-glia communication. *Frontiers in Physiology*, **2012**, 3, 119	4.6	184
58	Compartmentation of Fyn kinase with glycosylphosphatidylinositol-anchored molecules in oligodendrocytes facilitates kinase activation during myelination. *Journal of Biological Chemistry*, **1999**, 274, 29042-9	5.4	181
57	Multifaceted effects of oligodendroglial exosomes on neurons: impact on neuronal firing rate, signal transduction and gene regulation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369,	5.8	167
56	Emerging roles of extracellular vesicles in the nervous system. *Journal of Neuroscience*, **2014**, 34, 15482-96	6.6	166
55	Physical exercise induces rapid release of small extracellular vesicles into the circulation. *Journal of Extracellular Vesicles*, **2015**, 4, 28239	16.4	152
54	Activation of oligodendroglial Fyn kinase enhances translation of mRNAs transported in hnRNP A2-dependent RNA granules. *Journal of Cell Biology*, **2008**, 181, 579-86	7.3	147
53	Overexpression of the myelin proteolipid protein leads to accumulation of cholesterol and proteolipid protein in endosomes/lysosomes: implications for Pelizaeus-Merzbacher disease. *Journal of Cell Biology*, **2002**, 157, 327-36	7.3	136

52	Oligodendrocytes direct glycosyl phosphatidylinositol-anchored proteins to the myelin sheath in glycosphingolipid-rich complexes. *Journal of Biological Chemistry*, **1997**, 272, 8937-45	5.4	100
51	Glial promoter selectivity following AAV-delivery to the immature brain. *PLoS ONE*, **2013**, 8, e65646	3.7	90
50	From axon-glial signalling to myelination: the integrating role of oligodendroglial Fyn kinase. *Cellular and Molecular Life Sciences*, **2011**, 68, 2003-12	10.3	84
49	Platelets, endothelial cells and leukocytes contribute to the exercise-triggered release of extracellular vesicles into the circulation. *Journal of Extracellular Vesicles*, **2019**, 8, 1615820	16.4	82
48	Cholesterol regulates the endoplasmic reticulum exit of the major membrane protein P0 required for peripheral myelin compaction. *Journal of Neuroscience*, **2009**, 29, 6094-104	6.6	76
47	Extracellular vesicles: interneural shuttles of complex messages. *Current Opinion in Neurobiology*, **2016**, 39, 101-7	7.6	75
46	A critical role for the cholesterol-associated proteolipids PLP and M6B in myelination of the central nervous system. *Glia*, **2013**, 61, 567-86	9	72
45	Membrane traffic in myelinating oligodendrocytes. *Microscopy Research and Technique*, **2001**, 52, 656-71	2.8	72
44	Perturbed interactions of mutant proteolipid protein/DM20 with cholesterol and lipid rafts in oligodendroglia: implications for dysmyelination in spastic paraplegia. *Journal of Neuroscience*, **2006**, 26, 11743-52	6.6	68
43	Distinct endocytic recycling of myelin proteins promotes oligodendroglial membrane remodeling. *Journal of Cell Science*, **2008**, 121, 834-42	5.3	65
42	Axon-glia interaction and membrane traffic in myelin formation. *Frontiers in Cellular Neuroscience*, **2014**, 7, 284	6.1	62
41	Release of bulk cell‐free DNA during physical exercise occurs independent of extracellular vesicles. *European Journal of Applied Physiology*, **2015**, 115, 2271-80	3.4	43
40	Heterogeneous nuclear ribonucleoprotein (hnRNP) F is a novel component of oligodendroglial RNA transport granules contributing to regulation of myelin basic protein (MBP) synthesis. *Journal of Biological Chemistry*, **2012**, 287, 1742-54	5.4	42
39	Transport of the major myelin proteolipid protein is directed by VAMP3 and VAMP7. *Journal of Neuroscience*, **2011**, 31, 5659-72	6.6	42
38	The power of imaging to understand extracellular vesicle biology in vivo. *Nature Methods*, **2021**, 18, 1013-1026	21.6	38
37	Oligodendrocytes Provide Antioxidant Defense Function for Neurons by Secreting Ferritin Heavy Chain. *Cell Metabolism*, **2020**, 32, 259-272.e10	24.6	37
36	Oligodendrocytes support axonal transport and maintenance via exosome secretion. *PLoS Biology*, **2020**, 18, e3000621	9.7	34
35	Serum-free media supplements carry miRNAs that co-purify with extracellular vesicles. *Journal of Extracellular Vesicles*, **2019**, 8, 1656042	16.4	32

34	Comprehensive analysis of expression, subcellular localization, and cognate pairing of SNARE proteins in oligodendrocytes. *Journal of Neuroscience Research*, **2009**, 87, 1760-72	4.4	27
33	International Society for Extracellular Vesicles: first annual meeting, April 17-21, 2012: ISEV-2012. *Journal of Extracellular Vesicles*, **2012**, 1, 19995	16.4	21
32	The NG2 Proteoglycan Protects Oligodendrocyte Precursor Cells against Oxidative Stress via Interaction with OMI/HtrA2. *PLoS ONE*, **2015**, 10, e0137311	3.7	21
31	Exosomes deliver ROS for regeneration. *Nature Cell Biology*, **2018**, 20, 225-226	23.4	15
30	β1-Integrin- and KV1.3 channel-dependent signaling stimulates glutamate release from Th17 cells. *Journal of Clinical Investigation*, **2020**, 130, 715-732	15.9	14
29	Non-Invasive Approach for Evaluation of Pulmonary Hypertension Using Extracellular Vesicle-Associated Small Non-Coding RNA. *Biomolecules*, **2019**, 9,	5.9	13
28	Extracellular Vesicles in neural cell interaction and CNS homeostasis. *FASEB BioAdvances*, **2021**, 3, 577-592	2.8	12
27	Ticket to Ride: Targeting Proteins to Exosomes for Brain Delivery. *Molecular Therapy*, **2017**, 25, 1264-1266	11.7	11
26	Cell motility and migration as determinants of stem cell efficacy. *EBioMedicine*, **2020**, 60, 102989	8.8	11
25	Extracellular vesicles in the oligodendrocyte microenvironment. *Neuroscience Letters*, **2020**, 725, 134915	3.3	9
24	Extracellular Vesicles: Goodies for the Brain?. *Neuropsychopharmacology*, **2016**, 41, 371-2	8.7	9
23	GPI-Anchored Proteins and Glycosphingolipid-Rich Rafts: Platforms for Adhesion and Signaling. *Neuroscientist*, **2000**, 6, 271-284	7.6	9
22	Considerations for the Analysis of Small Extracellular Vesicles in Physical Exercise. *Frontiers in Physiology*, **2020**, 11, 576150	4.6	7
21	Dual role of the RNA helicase DDX5 in post-transcriptional regulation of myelin basic protein in oligodendrocytes. *Journal of Cell Science*, **2018**, 131,	5.3	7
20	Modulating endothelial adhesion and migration impacts stem cell therapies efficacy. *EBioMedicine*, **2020**, 60, 102987	8.8	7
19	Kinetics and Topology of DNA Associated with Circulating Extracellular Vesicles Released during Exercise. *Genes*, **2021**, 12,	4.2	7
18	Novel pluripotential neural progenitor lines exhibiting rapid controlled differentiation to neurotransmitter receptor-expressing neurons and glia. *European Journal of Neuroscience*, **1998**, 10, 3246-56	3.5	6
17	Oligodendrocytes support axonal transport and maintenance via exosome secretion		5

List of Publications

16	Kinetics and topology of DNA associated with circulating extracellular vesicles released during exercise		4
15	Bardet-Biedl syndrome proteins modulate the release of bioactive extracellular vesicles. *Nature Communications*, **2021**, 12, 5671	17.4	3
14	Superfood for axons: Glial exosomes boost axonal energetics by delivery of SIRT2. *Neuron*, **2021**, 109, 3397-3400	13.9	1
13	Progressive axonopathy when oligodendrocytes lack the myelin protein CMTM5.. *ELife*, **2022**, 11,	8.9	1
12	Extracellular Vesicles at CNS barriers: Mode of action. *Current Opinion in Neurobiology*, **2022**, 75, 102569	7.6	1
11	Lieferung auf Abruf: Exosomen als Care-Pakete von Gliazellen für gestresste Neurone. *E-Neuroforum*, **2013**, 19, 146-155		
10	Brainstorming Extracellular Vesicles in Physical Activity and Neuronal Health. *Trillium Extracellular Vesicles*, **2020**, 2, 54-59	0.2	
9	Origin of Extracellular Vesicles Released During Exercise. *Medicine and Science in Sports and Exercise* , **2019**, 51, 654-654	1.2	
8	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
7	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
6	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
5	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
4	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
3	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
2	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		
1	Oligodendrocytes support axonal transport and maintenance via exosome secretion **2020**, 18, e3000621		