Eva-Maria KrÃ¤mer-Albers

List of Publications by Year
in descending order

70 papers	18,653 citations	101543 36 h-index	144013 57 g-index
74 all docs	74 docs citations	74 times ranked	22985 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. Journal of Extracellular Vesicles, 2018, 7, 1535750.	12.2	6,961
2	Biological properties of extracellular vesicles and their physiological functions. Journal of Extracellular Vesicles, 2015, 4, 27066.	12.2	3,973
3	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. PLoS Biology, 2012, 10, e1001450.	5.6	1,064
4	Applying extracellular vesicles based therapeutics in clinical trials â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2015, 4, 30087.	12.2	1,020
5	Neurotransmitter-Triggered Transfer of Exosomes Mediates Oligodendrocyteâ€“Neuron Communication. PLoS Biology, 2013, 11, e1001604.	5.6	663
6	Oligodendrocytes secrete exosomes containing major myelin and stressâ€protective proteins: Trophic support for axons?. Proteomics - Clinical Applications, 2007, 1, 1446-1461.	1.6	423
7	Extracellular vesicles as mediators of neuron-glia communication. Frontiers in Cellular Neuroscience, 2013, 7, 182.	3.7	298
8	Assembly of Myelin by Association of Proteolipid Protein with Cholesterol- and Galactosylceramide-Rich Membrane Domains. Journal of Cell Biology, 2000, 151, 143-154.	5.2	264
9	Physical exercise induces rapid release of small extracellular vesicles into the circulation. Journal of Extracellular Vesicles, 2015, 4, 28239.	12.2	238
10	Lines of Murine Oligodendroglial Precursor Cells Immortalized by an ActivatedneuTyrosine Kinase Show Distinct Degrees of Interaction with AxonsIn VitroandIn Vivo. European Journal of Neuroscience, 1995, 7, 1245-1265.	2.6	233
11	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, 20130510.	4.0	232
12	Process Outgrowth of Oligodendrocytes Is Promoted by Interaction of Fyn Kinase with the Cytoskeletal Protein Tau. Journal of Neuroscience, 2002, 22, 698-707.	3.6	226
13	Emerging Roles of Exosomes in Neuronâ€“Glia Communication. Frontiers in Physiology, 2012, 3, 119.	2.8	225
14	Emerging Roles of Extracellular Vesicles in the Nervous System. Journal of Neuroscience, 2014, 34, 15482-15489.	3.6	219
15	Compartmentation of Fyn Kinase with Glycosylphosphatidylinositol-anchored Molecules in Oligodendrocytes Facilitates Kinase Activation during Myelination. Journal of Biological Chemistry, 1999, 274, 29042-29049.	3.4	198
16	Activation of oligodendroglial Fyn kinase enhances translation of mRNAs transported in hnRNP A2â€“dependent RNA granules. Journal of Cell Biology, 2008, 181, 579-586.	5.2	168
17	Platelets, endothelial cells and leukocytes contribute to the exerciseâ€triggered release of extracellular vesicles into the circulation. Journal of Extracellular Vesicles, 2019, 8, 1615820.	12.2	163
18	The power of imaging to understand extracellular vesicle biology in vivo. Nature Methods, 2021, 18, 1013-1026.	19.0	163

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19	Overexpression of the myelin proteolipid protein leads to accumulation of cholesterol and proteolipid protein in endosomes/lysosomes. Journal of Cell Biology, 2002, 157, 327-336.	5.2	154
20	Oligodendrocytes Direct Glycosyl Phosphatidylinositol-anchored Proteins to the Myelin Sheath in Glycosphingolipid-rich Complexes. Journal of Biological Chemistry, 1997, 272, 8937-8945.	3.4	108
21	Glial Promoter Selectivity following AAV-Delivery to the Immature Brain. PLoS ONE, 2013, 8, e65646.	2.5	108
22	Extracellular vesicles: interneural shuttles of complex messages. Current Opinion in Neurobiology, 2016, 39, 101-107.	4.2	103
23	From axonâ€“glial signalling to myelination: the integrating role of oligodendroglial Fyn kinase. Cellular and Molecular Life Sciences, 2011, 68, 2003-2012.	5.4	100
24	Oligodendrocytes Provide Antioxidant Defense Function for Neurons by Secreting Ferritin Heavy Chain. Cell Metabolism, 2020, 32, 259-272.e10.	16.2	98
25	Cholesterol Regulates the Endoplasmic Reticulum Exit of the Major Membrane Protein P0 Required for Peripheral Myelin Compaction. Journal of Neuroscience, 2009, 29, 6094-6104.	3.6	92
26	A critical role for the cholesterolâ€associated proteolipids PLP and M6B in myelination of the central nervous system. Glia, 2013, 61, 567-586.	4.9	91
27	Oligodendrocytes support axonal transport and maintenance via exosome secretion. PLoS Biology, 2020, 18, e3000621.	5.6	85
28	Membrane traffic in myelinating oligodendrocytes. Microscopy Research and Technique, 2001, 52, 656-671.	2.2	83
29	Axon-glia interaction and membrane traffic in myelin formation. Frontiers in Cellular Neuroscience, 2014, 7, 284.	3.7	82
30	Distinct endocytic recycling of myelin proteins promotes oligodendroglial membrane remodeling. Journal of Cell Science, 2008, 121, 834-842.	2.0	80
31	Transport of the Major Myelin Proteolipid Protein Is Directed by VAMP3 and VAMP7. Journal of Neuroscience, 2011, 31, 5659-5672.	3.6	78
32	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, 11743-11752.	3.6	71
33	Release of bulk cellÂfree DNA during physical exercise occurs independent of extracellular vesicles. European Journal of Applied Physiology, 2015, 115, 2271-2280.	2.5	60
34	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, 1742-1754.	3.4	51
35	Serumâ€free media supplements carry miRNAs that coâ€purify with extracellular vesicles. Journal of Extracellular Vesicles, 2019, 8, 1656042.	12.2	51
36	Extracellular Vesicles in neural cell interaction and CNS homeostasis. FASEB BioAdvances, 2021, 3, 577-592.	2.4	45

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37	Comprehensive analysis of expression, subcellular localization, and cognate pairing of SNARE proteins in oligodendrocytes. Journal of Neuroscience Research, 2009, 87, 1760-1772.	2.9	37
38	Î²1-Integrinâ€“ and KV1.3 channelâ€“dependent signaling stimulates glutamate release from Th17 cells. Journal of Clinical Investigation, 2020, 130, 715-732.	8.2	32
39	Non-Invasive Approach for Evaluation of Pulmonary Hypertension Using Extracellular Vesicle-Associated Small Non-Coding RNA. Biomolecules, 2019, 9, 666.	4.0	30
40	Cell motility and migration as determinants of stem cell efficacy. EBioMedicine, 2020, 60, 102989.	6.1	26
41	The NG2 Proteoglycan Protects Oligodendrocyte Precursor Cells against Oxidative Stress via Interaction with OMI/HtrA2. PLoS ONE, 2015, 10, e0137311.	2.5	26
42	Exosomes deliver ROS for regeneration. Nature Cell Biology, 2018, 20, 225-226.	10.3	25
43	Kinetics and Topology of DNA Associated with Circulating Extracellular Vesicles Released during Exercise. Genes, 2021, 12, 522.	2.4	23
44	Bardet-Biedl syndrome proteins modulate the release of bioactive extracellular vesicles. Nature Communications, 2021, 12, 5671.	12.8	23
45	International Society for Extracellular Vesicles: first annual meeting, April 17â€“21, 2012: ISEV-2012. Journal of Extracellular Vesicles, 2012, 1, 19995.	12.2	22
46	Extracellular vesicles in the oligodendrocyte microenvironment. Neuroscience Letters, 2020, 725, 134915.	2.1	20
47	Extracellular Vesicles at CNS barriers: Mode of action. Current Opinion in Neurobiology, 2022, 75, 102569.	4.2	15
48	GPI-Anchored Proteins and Glycosphingolipid-Rich Rafts: Platforms for Adhesion and Signaling. Neuroscientist, 2000, 6, 271-284.	3.5	14
49	Dual role of the RNA helicase DDX5 in post-transcriptional regulation of Myelin Basic Protein in oligodendrocytes. Journal of Cell Science, 2018, 131, .	2.0	14
50	Considerations for the Analysis of Small Extracellular Vesicles in Physical Exercise. Frontiers in Physiology, 2020, 11, 576150.	2.8	14
51	Ticket to Ride: Targeting Proteins to Exosomes for Brain Delivery. Molecular Therapy, 2017, 25, 1264-1266.	8.2	11
52	Extracellular Vesicles: Goodies for the Brain?. Neuropsychopharmacology, 2016, 41, 371-372.	5.4	10
53	Modulating endothelial adhesion and migration impacts stem cell therapies efficacy. EBioMedicine, 2020, 60, 102987.	6.1	10
54	Progressive axonopathy when oligodendrocytes lack the myelin protein CMTM5. ELife, 2022, 11, .	6.0	9

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55	Novel pluripotential neural progenitor lines exhibiting rapid controlled differentiation to neurotransmitter receptor-expressing neurons and glia. European Journal of Neuroscience, 1998, 10, 3246-3256.	2.6	6
56	Superfood for axons: Glial exosomes boost axonal energetics by delivery of SIRT2. Neuron, 2021, 109, 3397-3400.	8.1	4
57	Delivery on call: exosomes as â€œcare packagesâ€•from glial cells for stressed neurons. E-Neuroforum, 2013, 19, 85-91.	0.1	1
58	Lieferung auf Abruf: Exosomen als â€žCareâ€œ-Pakete von Gliazellen fÃ¼r gestresste Neurone. E-Neuroforum, 2013, 19, 146-155.	0.1	0
59	Origin of Extracellular Vesicles Released During Exercise. Medicine and Science in Sports and Exercise, 2019, 51, 654-654.	0.4	0
60	Association Of Circulating Cell-free Dna Released During Physical Exercise With Extracellular Vesicles. Medicine and Science in Sports and Exercise, 2019, 51, 576-576.	0.4	0
61	â€œBrainstormingâ€• Extracellular Vesicles in Physical Activity and Neuronal Health. Trillium Extracellular Vesicles, 2020, 2, 54-59.	0.3	0
62	Meeting report of the 4th autumn meeting of the German Society of Extracellular Vesicles (GSEV): cutting edge EV research driven by young scientists. , 0, , .		0
63	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
64	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
65	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
66	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
67	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
68	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
69	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0
70	Oligodendrocytes support axonal transport and maintenance via exosome secretion. , 2020, 18, e3000621.		0