

# Agnes Kittel

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

9,476  
citations

101543

36  
h-index

118850

62  
g-index

65  
all docs

65  
docs citations

65  
times ranked

14616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating cardiomyocyte-derived extracellular vesicles reflect cardiac injury during systemic inflammatory response syndrome in mice. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 84.	5.4	16
2	Blood-brain barrier dysfunction in l-ornithine induced acute pancreatitis in rats and the direct effect of l-ornithine on cultured brain endothelial cells. <i>Fluids and Barriers of the CNS</i> , 2022, 19, 16.	5.0	8
3	Activated polymorphonuclear derived extracellular vesicles are potential biomarkers of periprosthetic joint infection. <i>PLoS ONE</i> , 2022, 17, e0268076.	2.5	2
4	Shared extracellular vesicle miRNA profiles of matched ductal pancreatic adenocarcinoma organoids and blood plasma samples show the power of organoid technology. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3005-3020.	5.4	17
5	Neutrophils produce proinflammatory or anti-inflammatory extracellular vesicles depending on the environmental conditions. <i>Journal of Leukocyte Biology</i> , 2021, 109, 793-806.	3.3	37
6	Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021, 19, e3001166.	5.6	95
7	Formation of a protein corona on the surface of extracellular vesicles in blood plasma. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12140.	12.2	150
8	Helium Conditioning Increases Cardiac Fibroblast Migration Which Effect Is Not Propagated via Soluble Factors or Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10504.	4.1	5
9	Extracellular vesicle release and uptake by the liver under normo- and hyperlipidemia. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7589-7604.	5.4	22
10	Role of Mac-1 integrin in generation of extracellular vesicles with antibacterial capacity from neutrophilic granulocytes. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1698889.	12.2	23
11	Calcium Ionophore-Induced Extracellular Vesicles Mediate Cytoprotection against Simulated Ischemia/Reperfusion Injury in Cardiomyocyte-Derived Cell Lines by Inducing Heme Oxygenase 1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7687.	4.1	7
12	Radio-detoxified LPS alters bone marrow-derived extracellular vesicles and endothelial progenitor cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 313.	5.5	6
13	P2X7 receptors drive poly(I:C) induced autism-like behavior in mice. <i>Journal of Neuroscience</i> , 2019, 39, 1895-18.	3.6	26
14	Trafficking of immune cells across the blood-brain barrier is modulated by neurofibrillary pathology in tauopathies. <i>PLoS ONE</i> , 2019, 14, e0217216.	2.5	47
15	In vivo release of MVB-like small extracellular vesicle clusters by colorectal carcinoma cells. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1596668.	12.2	29
16	Dual Action of the PN159/KLAL/MAP Peptide: Increase of Drug Penetration across Caco-2 Intestinal Barrier Model by Modulation of Tight Junctions and Plasma Membrane Permeability. <i>Pharmaceutics</i> , 2019, 11, 73.	4.5	38
17	Detection and proteomic characterization of extracellular vesicles in human pancreatic juice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 37-43.	2.1	36
18	Autophagy inhibition promotes SNCA/alpha-synuclein release and transfer via extracellular vesicles with a hybrid autophagosome-exosome-like phenotype. <i>Autophagy</i> , 2018, 14, 98-119.	9.1	193

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19	Isolation of High-Purity Extracellular Vesicles by the Combination of Iodixanol Density Gradient Ultracentrifugation and Bind-Elute Chromatography From Blood Plasma. <i>Frontiers in Physiology</i> , 2018, 9, 1479.	2.8	153
20	Cerebrovascular Pathology in Hypertriglyceridemic APOB-100 Transgenic Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 380.	3.7	9
21	Microglia control the spread of neurotropic virus infection via P2Y12 signalling and recruit monocytes through P2Y12-independent mechanisms. <i>Acta Neuropathologica</i> , 2018, 136, 461-482.	7.7	108
22	Maternal and offspring P2X7 receptors drive autism-like behavior in mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-79.	0.0	0
23	Claudin peptidomimetics modulate tissue barriers for enhanced drug delivery. <i>Annals of the New York Academy of Sciences</i> , 2017, 1397, 169-184.	3.8	58
24	Effect of rat spinal cord injury (hemisection) on the ex vivo uptake and release of [ 3 H]noradrenaline from a slice preparation. <i>Brain Research Bulletin</i> , 2017, 131, 150-155.	3.0	15
25	Extracellular vesicles regulate the human osteoclastogenesis: divergent roles in discrete inflammatory arthropathies. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3599-3611.	5.4	44
26	P2X7 Receptors Drive Spine Synapse Plasticity in the Learned Helplessness Model of Depression. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 813-822.	2.1	38
27	Antibiotic-induced release of small extracellular vesicles (exosomes) with surface-associated DNA. <i>Scientific Reports</i> , 2017, 7, 8202.	3.3	102
28	08.06â€¦..Circulating exosomes play a role in the regulation of human in vitro osteoclastogenesis. , 2017, , .		0
29	Low-density lipoprotein mimics blood plasma-derived exosomes and microvesicles during isolation and detection. <i>Scientific Reports</i> , 2016, 6, 24316.	3.3	382
30	Novel (Hetero)arylalkenyl propargylamine compounds are protective in toxin-induced models of Parkinsonâ€™s disease. <i>Molecular Neurodegeneration</i> , 2016, 11, 6.	10.8	55
31	Improved Characterization of EV Preparations Based on Protein to Lipid Ratio and Lipid Properties. <i>PLoS ONE</i> , 2015, 10, e0121184.	2.5	151
32	Isolation of Exosomes from Blood Plasma: Qualitative and Quantitative Comparison of Ultracentrifugation and Size Exclusion Chromatography Methods. <i>PLoS ONE</i> , 2015, 10, e0145686.	2.5	493
33	Differential detergent sensitivity of extracellular vesicle subpopulations. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9775-9782.	2.8	182
34	Functionally and morphologically distinct populations of extracellular vesicles produced by human neutrophilic granulocytes. <i>Journal of Leukocyte Biology</i> , 2015, 98, 583-589.	3.3	45
35	Restraint Stress-Induced Morphological Changes at the Blood-Brain Barrier in Adult Rats. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 88.	2.9	84
36	Sucrose Esters Increase Drug Penetration, But Do Not Inhibit Pâ€¦Glycoprotein in Cacoâ€¦2 Intestinal Epithelial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3107-3119.	3.3	41

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37	Cardioprotection by remote ischemic preconditioning of the rat heart is mediated by extracellular vesicles. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 68, 75-78.	1.9	238
38	Critical role of extracellular vesicles in modulating the cellular effects of cytokines. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4055-4067.	5.4	44
39	Effect of storage on physical and functional properties of extracellular vesicles derived from neutrophilic granulocytes. <i>Journal of Extracellular Vesicles</i> , 2014, 3, 25465.	12.2	166
40	Antibacterial effect of microvesicles released from human neutrophilic granulocytes. <i>Blood</i> , 2013, 121, 510-518.	1.4	185
41	The absence of P2X7 receptors (P2rx7) on non-haematopoietic cells leads to selective alteration in mood-related behaviour with dysregulated gene expression and stress reactivity in mice. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 213-233.	2.1	83
42	Distinct RNA profiles in subpopulations of extracellular vesicles: apoptotic bodies, microvesicles and exosomes. <i>Journal of Extracellular Vesicles</i> , 2013, 2, .	12.2	774
43	Neurochemical Changes in the Mouse Hippocampus Underlying the Antidepressant Effect of Genetic Deletion of P2X7 Receptors. <i>PLoS ONE</i> , 2013, 8, e66547.	2.5	95
44	A novel flow cytometric approach reveals abundant CD8+ T cell derived microvesicles in rheumatoid arthritis synovial fluid samples. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A19.2-A19.	0.9	3
45	The effect of sucrose esters on a culture model of the nasal barrier. <i>Toxicology in Vitro</i> , 2012, 26, 445-454.	2.4	46
46	Comparison of brain capillary endothelial cell-based and epithelial (MDCK-MDR1, Caco-2, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Pharmaceutics and Biopharmaceutics, 2012, 82, 340-351.	4.3	188
47	Improved Flow Cytometric Assessment Reveals Distinct Microvesicle (Cell-Derived Microparticle) Signatures in Joint Diseases. <i>PLoS ONE</i> , 2012, 7, e49726.	2.5	129
48	Exposure to Lipopolysaccharide and/or Unconjugated Bilirubin Impair the Integrity and Function of Brain Microvascular Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e35919.	2.5	93
49	Detection and isolation of cell-derived microparticles are compromised by protein complexes resulting from shared biophysical parameters. <i>Blood</i> , 2011, 117, e39-e48.	1.4	363
50	Proteomic characterization of thymocyte-derived microvesicles and apoptotic bodies in BALB/c mice. <i>Journal of Proteomics</i> , 2011, 74, 2025-2033.	2.4	128
51	Membrane vesicles, current state-of-the-art: emerging role of extracellular vesicles. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2667-2688.	5.4	1,719
52	Flow cytometric diagnostic assessment of cell-derived microparticles is severely confounded by immune complexes in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A11-A12.	0.9	1
53	A new blood-brain barrier model using primary rat brain endothelial cells, pericytes and astrocytes. <i>Neurochemistry International</i> , 2009, 54, 253-263.	3.8	605
54	Transient changes in the localization and activity of ectonucleotidases in rat hippocampus following lipopolysaccharide treatment. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 275-282.	1.6	7

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55	Expression of NTPDase1 and caveolins in human cardiovascular disease. <i>Histochemistry and Cell Biology</i> , 2005, 124, 51-59.	1.7	19
56	Localization of Nucleoside Triphosphate Diphosphohydrolase-1 (NTPDase1) and NTPDase2 in Pancreas and Salivary Gland. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 861-871.	2.5	37
57	Localization of NTPDase1/CD39 in Normal and Transformed Human Pancreas. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 549-555.	2.5	28
58	Mice lacking histidine decarboxylase exhibit abnormal mast cells. <i>FEBS Letters</i> , 2001, 502, 53-56.	2.8	361
59	Purification, characterization, and localization of an ATP diphosphohydrolase in porcine kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, F978-F988.	2.7	17
60	Lipopolysaccharide Treatment Modifies pH- and Cation-dependent Ecto-ATPase Activity of Endothelial Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 393-399.	2.5	20
61	Ultrastructural localization of $\beta$ -Arrestin-1 and -2 in rat lumbar spinal cord. , 1999, 412, 649-655.		6
62	NACP, a Synaptic Protein Involved in Alzheimer's Disease, Is Differentially Regulated during Megakaryocyte Differentiation. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 611-616.	2.1	121
63	Early endocytotic steps in elicited macrophages: omega-shaped plasma membrane vesicles at their cell surface.. <i>Cell Biology International</i> , 1995, 19, 527-538.	3.0	14
64	The precursor protein of non-A $\beta$ component of Alzheimer's disease amyloid is a presynaptic protein of the central nervous system. <i>Neuron</i> , 1995, 14, 467-475.	8.1	1,246
65	Ecto-ATPases and 5 $\alpha$ -nucleotidases in the caveolae of smooth muscle. Enzyme-histochemical evidence may indicate a role for caveolae in neurotransmission.. <i>Cell Biology International</i> , 1994, 18, 875-880.	3.0	23