

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 | 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 |
| 2 | The precursor protein of non-A β 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 |
| 3 | Distinct RNA profiles in subpopulations of extracellular vesicles: apoptotic bodies, microvesicles and exosomes. <i>Journal of Extracellular Vesicles</i> , 2013, 2, . | 12.2 | 774 |
| 4 | 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 |
| 5 | 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 |
| 6 | Low-density lipoprotein mimics blood plasma-derived exosomes and microvesicles during isolation and detection. <i>Scientific Reports</i> , 2016, 6, 24316. | 3.3 | 382 |
| 7 | 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 |
| 8 | Mice lacking histidine decarboxylase exhibit abnormal mast cells. <i>FEBS Letters</i> , 2001, 502, 53-56. | 2.8 | 361 |
| 9 | 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 |
| 10 | 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 |
| 11 | Comparison of brain capillary endothelial cell-based and epithelial (MDCK-MDR1, Caco-2, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Pharmaceutics and Biopharmaceutics, 2012, 82, 340-351. | 4.3 | 188 |
| 12 | Antibacterial effect of microvesicles released from human neutrophilic granulocytes. <i>Blood</i> , 2013, 121, 510-518. | 1.4 | 185 |
| 13 | Differential detergent sensitivity of extracellular vesicle subpopulations. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9775-9782. | 2.8 | 182 |
| 14 | 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 |
| 15 | 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 |
| 16 | Improved Characterization of EV Preparations Based on Protein to Lipid Ratio and Lipid Properties. <i>PLoS ONE</i> , 2015, 10, e0121184. | 2.5 | 151 |
| 17 | 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 |
| 18 | Improved Flow Cytometric Assessment Reveals Distinct Microvesicle (Cell-Derived Microparticle) Signatures in Joint Diseases. <i>PLoS ONE</i> , 2012, 7, e49726. | 2.5 | 129 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 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 | Antibiotic-induced release of small extracellular vesicles (exosomes) with surface-associated DNA. <i>Scientific Reports</i> , 2017, 7, 8202. | 3.3 | 102 |
| 23 | Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021, 19, e3001166. | 5.6 | 95 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Novel (Hetero)arylalkenyl propargylamine compounds are protective in toxin-induced models of Parkinson's disease. <i>Molecular Neurodegeneration</i> , 2016, 11, 6. | 10.8 | 55 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Sucrose Esters Increase Drug Penetration, But Do Not Inhibit P-glycoprotein in Caco-2 Intestinal Epithelial Cells. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3107-3119. | 3.3 | 41 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | <i>En bloc</i> release of MVB-like small extracellular vesicle clusters by colorectal carcinoma cells. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1596668. | 12.2 | 29 |
| 42 | Localization of NTPDase1/CD39 in Normal and Transformed Human Pancreas. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 549-555. | 2.5 | 28 |
| 43 | P2X7 receptors drive poly(I:C) induced autism-like behavior in mice. <i>Journal of Neuroscience</i> , 2019, 39, 1895-18. | 3.6 | 26 |
| 44 | Ecto-ATPases and 5'-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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Expression of NTPDase1 and caveolins in human cardiovascular disease. <i>Histochemistry and Cell Biology</i> , 2005, 124, 51-59. | 1.7 | 19 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Cerebrovascular Pathology in Hypertriglyceridemic APOB-100 Transgenic Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 380. | 3.7 | 9 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Transient changes in the localization and activity of ecto-nucleotidases in rat hippocampus following lipopolysaccharide treatment. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 275-282. | 1.6 | 7 |
| 57 | 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 |
| 58 | Ultrastructural localization of β -Arrestin-1 and -2 in rat lumbar spinal cord. , 1999, 412, 649-655. | | 6 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | Activated polymorphonuclear derived extracellular vesicles are potential biomarkers of periprosthetic joint infection. <i>PLoS ONE</i> , 2022, 17, e0268076. | 2.5 | 2 |
| 63 | 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 |
| 64 | 08.06...Circulating exosomes play a role in the regulation of human in vitro osteoclastogenesis. , 2017, , . | | 0 |
| 65 | 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 |