Exosome markers associated with immune activation a antiretroviral therapy

Scientific Reports

8, 7227

DOI: 10.1038/s41598-018-25515-4

Citation Report

#	Article	IF	Citations
1	Seminal exosomes and HIVâ€1 transmission. Andrologia, 2018, 50, e13220.	1.0	22
2	HIV-Associated Neurocognitive Impairment in the Modern ART Era: Are We Close to Discovering Reliable Biomarkers in the Setting of Virological Suppression?. Frontiers in Aging Neuroscience, 2019, 11, 187.	1.7	55
3	Exosomes: Revisiting their role as â€œgarbage bagsâ€• Traffic, 2019, 20, 815-828.	1.3	96
4	Latest advances in extracellular vesicles: from bench to bedside. Science and Technology of Advanced Materials, 2019, 20, 746-757.	2.8	74
5	Microvesicles: ROS scavengers and ROS producers. Journal of Extracellular Vesicles, 2019, 8, 1626654.	5.5	165
6	Exosomes and STUB1/CHIP cooperate to maintain intracellular proteostasis. PLoS ONE, 2019, 14, e0223790.	1.1	14
7	Challenges in Exosome Isolation and Analysis in Health and Disease. International Journal of Molecular Sciences, 2019, 20, 4684.	1.8	261
8	Extracellular Vesicles Secreted by Astroglial Cells Transport Apolipoprotein D to Neurons and Mediate Neuronal Survival Upon Oxidative Stress. Frontiers in Cellular Neuroscience, 2018, 12, 526.	1.8	120
9	The functional roles of exosomal long non-coding RNAs in cancer. Cellular and Molecular Life Sciences, 2019, 76, 2059-2076.	2.4	100
10	Extracellular vesicles and chronic inflammation during HIV infection. Journal of Extracellular Vesicles, 2019, 8, 1687275.	5.5	44
11	Transcriptomic analysis of monocytes from HIV-positive men on antiretroviral therapy reveals effects of tobacco smoking on interferon and stress response systems associated with depressive symptoms. Human Genomics, 2019, 13, 59.	1.4	6
12	Cerebrospinal fluid extracellular vesicles and neurofilament light protein as biomarkers of central nervous system injury in HIV-infected patients on antiretroviral therapy. Aids, 2019, 33, 615-625.	1.0	41
13	Proteomic analysis of cerebrospinal fluid extracellular vesicles reveals synaptic injury, inflammation, and stress response markers in HIV patients with cognitive impairment. Journal of Neuroinflammation, 2019, 16, 254.	3.1	60
14	Emerging therapeutic roles of exosomes in HIV-1 infection. , 2020, , 147-178.		6
15	Neuronalâ€derived extracellular vesicles are enriched in the brain and serum of HIVâ€1 transgenic rats. Journal of Extracellular Vesicles, 2020, 9, 1703249.	5.5	31
16	An emerging interplay between extracellular vesicles and cytokines. Cytokine and Growth Factor Reviews, 2020, 51, 49-60.	3.2	35
17	Extracellular vesicle-mediated intercellular communication in HIV-1 infection and its role in the reservoir maintenance. Cytokine and Growth Factor Reviews, 2020, 51, 40-48.	3.2	6
18	Effects of the Oncoprotein PAX3-FOXO1 on Modulation of Exosomes Function and Protein Content: Implications on Oxidative Stress Protection and Enhanced Plasticity. Frontiers in Oncology, 2020, 10, 1784.	1.3	5

#	Article	IF	Citations
19	Novel association of genetic variants in non-coding regulatory regions with HIV-1 infection. Infection, Genetics and Evolution, 2020, 85, 104514.	1.0	1
20	Relationship between bovine oocytes developmental competence and mRNA expression of apoptotic and mitochondrial genes following the change of vitrification temperatures and cryoprotectant concentrations. Cryobiology, 2020, 97, 110-122.	0.3	7
21	Proteomics of Extracellular Vesicles: Update on Their Composition, Biological Roles and Potential Use as Diagnostic Tools in Atherosclerotic Cardiovascular Diseases. Diagnostics, 2020, 10, 843.	1.3	22
22	Immunocapture-based ELISA to characterize and quantify exosomes in both cell culture supernatants and body fluids. Methods in Enzymology, 2020, 645, 155-180.	0.4	41
23	Using neuronal extracellular vesicles and machine learning to predict cognitive deficits in HIV. Journal of NeuroVirology, 2020, 26, 880-887.	1.0	13
24	Comparison of methods and characterization of small RNAs from plasma extracellular vesicles of HIV/HCV coinfected patients. Scientific Reports, 2020, 10, 11140.	1.6	22
25	Improvement of stem cell-derived exosome release efficiency by surface-modified nanoparticles. Journal of Nanobiotechnology, 2020, 18, 178.	4.2	47
26	Small RNA sequencing of extracellular vesicles identifies circulating miRNAs related to inflammation and oxidative stress in HIV patients. BMC Immunology, 2020, 21, 57.	0.9	40
27	Biomarkers of Activation and Inflammation to Track Disparity in Chronological and Physiological Age of People Living With HIV on Combination Antiretroviral Therapy. Frontiers in Immunology, 2020, 11, 583934.	2.2	17
28	Distinct miRNA Profile of Cellular and Extracellular Vesicles Released from Chicken Tracheal Cells Following Avian Influenza Virus Infection. Vaccines, 2020, 8, 438.	2.1	4
29	Lead Compounds in the Context of Extracellular Vesicle Research. Pharmaceutics, 2020, 12, 716.	2.0	2
30	Molecular Characterization of the Coproduced Extracellular Vesicles in HEK293 during Virus-Like Particle Production. Journal of Proteome Research, 2020, 19, 4516-4532.	1.8	15
31	Alcohol Increases Exosome Release from Microglia to Promote Complement C1q-Induced Cellular Death of Proopiomelanocortin Neurons in the Hypothalamus in a Rat Model of Fetal Alcohol Spectrum Disorders. Journal of Neuroscience, 2020, 40, 7965-7979.	1.7	31
32	Extracellular Vesicle-Related Thrombosis in Viral Infection . International Journal of General Medicine, 2020, Volume 13, 559-568.	0.8	10
33	Extracellular Vesicles in HTLV-1 Communication: The Story of an Invisible Messenger. Viruses, 2020, 12, 1422.	1.5	10
34	Extracellular Vesicles: Roles in Human Viral Infections, Immune-Diagnostic, and Therapeutic Applications. Pathogens, 2020, 9, 1056.	1.2	34
35	Modulating Cytokine Production via Select Packaging and Secretion From Extracellular Vesicles. Frontiers in Immunology, 2020, 11, 1040.	2.2	48
36	Proteomic Analysis of MYB-Regulated Secretome Identifies Functional Pathways and Biomarkers: Potential Pathobiological and Clinical Implications. Journal of Proteome Research, 2020, 19, 794-804.	1.8	10

#	Article	IF	Citations
37	Persistent Immune Activation in HIV-1â€“Infected Ex Vivo Model Tissues Subjected to Antiretroviral Therapy: Soluble and Extracellular Vesicle-Associated Cytokines. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 45-53.	0.9	5
38	Extracellular Vesicles in Smoking-Mediated HIV Pathogenesis and their Potential Role in Biomarker Discovery and Therapeutic Interventions. Cells, 2020, 9, 864.	1.8	8
39	HIV and Proteomics: What We Have Learned from High Throughput Studies. Proteomics - Clinical Applications, 2021, 15, 2000040.	0.8	4
40	Acrolein and other toxicant exposures in relation to cardiovascular disease among marijuana and tobacco smokers in a longitudinal cohort of HIV-positive and negative adults. EClinicalMedicine, 2021, 31, 100697.	3.2	8
41	Exosomal Long Non-Coding RNA: Interaction Between Cancer Cells and Non-Cancer Cells. Frontiers in Oncology, 2020, 10, 617837.	1.3	15
42	Oncogenic Effects of HIV-1 Proteins, Mechanisms Behind. Cancers, 2021, 13, 305.	1.7	49
43	Plasma Extracellular Vesicle Subtypes May be Useful as Potential Biomarkers of Immune Activation in People With HIV. Pathogens and Immunity, 2021, 6, 1-28.	1.4	14
44	Circulating Exosomes Are Strongly Involved in SARS-CoV-2 Infection. Frontiers in Molecular Biosciences, 2021, 8, 632290.	1.6	140
45	Extracellular Vesicles in Oncology: from Immune Suppression to Immunotherapy. AAPS Journal, 2021, 23, 30.	2.2	22
46	Resistance Training Diminishes the Expression of Exosome CD63 Protein without Modification of Plasma miR-146a-5p and cfDNA in the Elderly. Nutrients, 2021, 13, 665.	1.7	19
47	Latent HIV-Exosomes Induce Mitochondrial Hyperfusion Due to Loss of Phosphorylated Dynamin-Related Protein 1 in Brain Endothelium. Molecular Neurobiology, 2021, 58, 2974-2989.	1.9	15
48	Extracellular Vesicles and Immune System in Ageing and Immune Diseases. Experimental Neurobiology, 2021, 30, 32-47.	0.7	3
49	Immune activation and arterial stiffness in lean adults with HIV on antiretroviral therapy. Southern African Journal of HIV Medicine, 2021, 22, 1190.	0.3	2
50	Insights into the molecular basis of tick-borne encephalitis from multiplatform metabolomics. PLoS Neglected Tropical Diseases, 2021, 15, e0009172.	1.3	14
51	Luminal microvesicles uniquely influence translocating bacteria after SIV infection. Mucosal Immunology, 2021, 14, 937-948.	2.7	3
52	Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). Archives of Toxicology, 2021, 95, 1899-1915.	1.9	42
53	Diurnal Variation of Plasma Extracellular Vesicle Is Disrupted in People Living with HIV. Pathogens, 2021, 10, 518.	1.2	5
54	Steroid Hormone Biosynthesis Metabolism Is Associated With Fatigue Related to Androgen Deprivation Therapy for Prostate Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 642307.	1.8	10

#	Article	IF	Citations
55	Perspectives of Microscopy Methods for Morphology Characterisation of Extracellular Vesicles from Human Biofluids. Biomedicines, 2021, 9, 603.	1.4	43
56	Mechanisms of residual immune activation in HIV-1-infected human lymphoid tissue ex vivo. Aids, 2021, 35, 1179-1190.	1.0	2
57	Proteomic Exploration of Plasma Exosomes and Other Small Extracellular Vesicles in Pediatric Hodgkin Lymphoma: A Potential Source of Biomarkers for Relapse Occurrence. Diagnostics, 2021, 11, 917.	1.3	13
58	Potential Use of Exosomes as Diagnostic Biomarkers and in Targeted Drug Delivery: Progress in Clinical and Preclinical Applications. ACS Biomaterials Science and Engineering, 2021, 7, 2106-2149.	2.6	95
59	Viral Bad News Sent by EVAIL. Viruses, 2021, 13, 1168.	1.5	3
60	Plasma Metabolomics Reveals Dysregulated Metabolic Signatures in HIV-Associated Immune Reconstitution Inflammatory Syndrome. Frontiers in Immunology, 2021, 12, 693074.	2.2	11
61	Impact of human immunodeficiency virus on pulmonary vascular disease. Global Cardiology Science & Practice, 2021, 2021, e202112.	0.3	6
62	Extracellular Vesicles in Blood: Sources, Effects, and Applications. International Journal of Molecular Sciences, 2021, 22, 8163.	1.8	68
63	Boneâ€aâ€Petite: Engineering Exosomes towards Bone, Osteochondral, and Cartilage Repair. Small, 2021, 17, e2101741.	5.2	79
64	Fibrogenic signals persist in DAA-treated HCV patients after sustained virological response. Journal of Hepatology, 2021, 75, 1301-1311.	1.8	15
65	Mesenchymal Stem Cell-Derived Exosomes for COVID-19 Therapy, Preclinical and Clinical Evidence. International Journal of Stem Cells, 2021, 14, 252-261.	0.8	8
66	Plant-derived exosomal microRNAs inhibit lung inflammation induced by exosomes SARS-CoV-2 Nsp12. Molecular Therapy, 2021, 29, 2424-2440.	3.7	101
67	The versatile role of exosomes in human retroviral infections: from immunopathogenesis to clinical application. Cell and Bioscience, 2021, 11, 19.	2.1	61
68	Vehicles of intercellular communication: exosomes and HIV-1. Journal of General Virology, 2019, 100, 350-366.	1.3	30
69	Roles of Exosomes in Ocular Diseases. International Journal of Nanomedicine, 2020, Volume 15, 10519-10538.	3.3	53
70	Clinical Significance of Plasma CD9-Positive Exosomes in HIV Seronegative and Seropositive Lung Cancer Patients. Cancers, 2021, 13, 5193.	1.7	5
71	Exosomal Long NonCoding Rnas as Cancer Biomarkers and Therapeutic Targets. KreativnaÃ¢ HirurgiÃ¢ I OnkologiÃ¢, 2020, 9, 297-304.	0.1	2
72	Extracellular Vesicles in Precision Medicine. RSC Detection Science, 2020, , 35-57.	0.0	0

#	Article	IF	Citations
73	Plasma extracellular vesicles in people living with HIV and type 2 diabetes are related to microbial translocation and cardiovascular risk. Scientific Reports, 2021, 11, 21936.	1.6	3
74	A guide to mass spectrometric analysis of extracellular vesicle proteins for biomarker discovery. Mass Spectrometry Reviews, 2023, 42, 844-872.	2.8	27
75	Blood Nanoparticles â€“ Influence on Extracellular Vesicle Isolation and Characterization. Frontiers in Pharmacology, 2021, 12, 773844.	1.6	22
76	Emerging Role of Cancer-Associated Fibroblasts-Derived Exosomes in Tumorigenesis. Frontiers in Immunology, 2021, 12, 795372.	2.2	27
77	Exosome-related Methods and Potential Use as Vaccines. Methods in Molecular Biology, 2022, 2435, 35-41.	0.4	2
78	Attenuated Total Reflectance-Fourier Transform Infrared (ATR-FTIR) Spectroscopy Discriminates the Elderly with a Low and High Percentage of Pathogenic CD4+ T Cells. Cells, 2022, 11, 458.	1.8	9
79	Exosomes and HIV-1 Association in AIDS-Defining Patients. Physiology, 0, , .	4.0	0
80	Extracellular Vesicles Derived From Human Corneal Endothelial Cells Inhibit Proliferation of Human Corneal Endothelial Cells. Frontiers in Medicine, 2021, 8, 753555.	1.2	1
81	Research Advance of Exosome in Infectious Diseases. Advances in Clinical Medicine, 2022, 12, 1735-1740.	0.0	0
82	Reinfection of Transplanted Livers in HCV- and HCV/HIV-Infected Patients Is Characterized by a Different MicroRNA Expression Profile. Cells, 2022, 11, 690.	1.8	4
83	Exosome Processing and Characterization Approaches for Research and Technology Development. Advanced Science, 2022, 9, e2103222.	5.6	89
84	Profiling Blood Serum Extracellular Vesicles in Plaque Psoriasis and Psoriatic Arthritis Patients Reveals Potential Disease Biomarkers. International Journal of Molecular Sciences, 2022, 23, 4005.	1.8	4
85	Characterization of the Role of Extracellular Vesicles Released from Chicken Tracheal Cells in the Antiviral Responses against Avian Influenza Virus. Membranes, 2022, 12, 53.	1.4	2
87	Blood biomarkers for HIV infection with focus on neurologic complicationsâ€”A review. Acta Neurologica Scandinavica, 2022, 146, 56-60.	1.0	2
88	Realistic biomarkers from plasma extracellular vesicles for detection of beryllium exposure. International Archives of Occupational and Environmental Health, 2022, 95, 1785-1796.	1.1	2
89	Antiretroviral Therapy-Induced Dysregulation of Gene Expression and Lipid Metabolism in HIV+ Patients: Beneficial Role of Antioxidant Phytochemicals. International Journal of Molecular Sciences, 2022, 23, 5592.	1.8	1
90	Effects of different ratios of omega-6:omega-3 fatty acids in the diet of sows on the proteome of milk-derived extracellular vesicles. Journal of Proteomics, 2022, 264, 104632.	1.2	2
91	Soluble factors influencing the neural stem cell niche in brain physiology, inflammation, and aging. Experimental Neurology, 2022, 355, 114124.	2.0	21

#	Article	IF	Citations
92	Exosomes as Targeted Delivery Drug System: Advances in Exosome Loading, Surface Functionalization and Potential for Clinical Application. Current Drug Delivery, 2024, 21, 473-487.	0.8	7
93	Nanozyme-Based Lateral Flow Immunoassay (LFIA) for Extracellular Vesicle Detection. Biosensors, 2022, 12, 490.	2.3	3
94	CD147 Promotes Tumorigenesis via Exosome-Mediated Signaling in Rhabdomyosarcoma. Cells, 2022, 11, 2267.	1.8	3
95	Extracellular RNAs from immune cells under obesityâ€"a narrative review. ExRNA, 0, 4, 18-18.	1.0	1
96	Isolation and characterization of plasma-derived exosomes from olive flounder (Paralichthys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 T 128, 196-205.	1.6	2
97	T Lymphocyte-Derived Exosomes Transport MEK1/2 and ERK1/2 and Induce NOX4-Dependent Oxidative Stress in Cardiac Microvascular Endothelial Cells. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-17.	1.9	6
98	The Interplay Among HIV, Monocytes/Macrophages, and Extracellular Vesicles: A Systematic Review. Journal of Leukocyte Biology, 0, , .	1.5	0
99	Immune Cells Release MicroRNA-155 Enriched Extracellular Vesicles That Promote HIV-1 Infection. Cells, 2023, 12, 466.	1.8	0
100	Circulating Plasma Exosomal Proteins of Either SHIV-Infected Rhesus Macaque or HIV-Infected Patient Indicates a Link to Neuropathogenesis. Viruses, 2023, 15, 794.	1.5	1
101	Exosome nanovesicles: A potential carrier for therapeutic delivery. Nano Today, 2023, 49, 101771.	6.2	23
102	miR-663-Containing Exosomes Secreted by Bone Marrow Mesenchymal Stem Cells Ameliorate Cardiomyocyte Oxidative Damage. Journal of Biomaterials and Tissue Engineering, 2023, 13, 223-230.	0.0	0