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Exosomes: composition, biogenesis and function

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2201	Visualization of retroviral replication in living cells reveals budding into multivesicular bodies. 2003 , 4, 785-801		316
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2199	Cellular microparticles: what are they bad or good for?. 2003 , 1, 1655-62		352
2198	HIV-1 egress is gated through late endosomal membranes. 2003 , 4, 902-10		152
2197	Signal dispersal and transduction through the endocytic pathway. 2003 , 4, 213-24		118
2196	Dendritic cells, new tools for vaccination. 2003 , 5, 311-9		23

2195	Inhibition of proliferation by 1-8U in interferon-alpha-responsive and non-responsive cell lines. 2003 , 60, 1235-48	35
2194	Tetraspanins: molecular organisers of the leukocyte surface. 2003 , 24, 610-7	177
2193	Regulation of membrane trafficking and subcellular organization of endocytic compartments revealed with FM1-43 in resting and activated human T cells. 2003 , 291, 150-66	73
2192	Evidence that HIV budding in primary macrophages occurs through the exosome release pathway. 2003 , 278, 52347-54	247
2191	The Trojan exosome hypothesis. 2003 , 100, 10592-7	453
2190	Direct stimulation of naive T cells by membrane vesicles from antigen-presenting cells: distinct roles for CD54 and B7 molecules. 2003 , 100, 6670-5	138
2189	Exosomes with major histocompatibility complex class II and co-stimulatory molecules are present in human BAL fluid. 2003 , 22, 578-83	280
2188	The ALG-2-interacting protein Alix associates with CHMP4b, a human homologue of yeast Snf7 that is involved in multivesicular body sorting. 2003 , 278, 39104-13	172
2187	Exosome release is regulated by a calcium-dependent mechanism in K562 cells. 2003 , 278, 20083-90	525
2186	Infectious HIV-1 assembles in late endosomes in primary macrophages. 2003 , 162, 443-55	400
2185	After Hrs with HIV. 2003 , 162, 371-5	34
2184	The mouse secretome: functional classification of the proteins secreted into the extracellular environment. 2003 , 13, 1350-9	65
2183	Exosomes as a tumor vaccine: enhancing potency through direct loading of antigenic peptides. 2003 , 26, 440-50	119
2182	Lipid raft-associated protein sorting in exosomes. 2003 , 102, 4336-44	486
2181	Scrapie protein degradation by cysteine proteases in CD11c+ dendritic cells and GT1-1 neuronal cells. 2004 , 78, 4776-82	44
2180	Caveolin-1 and MAL are located on prostatesomes secreted by the prostate cancer PC-3 cell line. 2004 , 117, 5343-51	86
2179	Release of full-length 55-kDa TNF receptor 1 in exosome-like vesicles: a mechanism for generation of soluble cytokine receptors. 2004 , 101, 1297-302	174
2178	Profilin acts downstream of LDL to mediate diabetic endothelial cell dysfunction. 2004 , 18, 725-7	32

2177	Stabilin-1 localizes to endosomes and the trans-Golgi network in human macrophages and interacts with GGA adaptors. 2004 , 76, 1151-61	66
2176	Mechanisms of soluble cytokine receptor generation. 2004 , 173, 5343-8	132
2175	Incorporation of heterologous outer membrane and periplasmic proteins into Escherichia coli outer membrane vesicles. 2004 , 279, 2069-76	148
2174	Cellular protein is the source of cross-priming antigen in vivo. 2004 , 101, 3035-40	153
2173	Nedd4.1-mediated ubiquitination and subsequent recruitment of Tsg101 ensure HTLV-1 Gag trafficking towards the multivesicular body pathway prior to virus budding. 2004 , 117, 2357-67	122
2172	Exosomes as potent cell-free peptide-based vaccine. I. Dendritic cell-derived exosomes transfer functional MHC class I/peptide complexes to dendritic cells. 2004 , 172, 2126-36	357
2171	Exosomes for cancer immunotherapy. 2004 , 15 Suppl 4, iv141-4	62
2170	Apoptosis paves the detour path for CD8 T cell activation against intracellular bacteria. 2004 , 6, 599-607	72
2169	The ABCs of artificial antigen presentation. 2004 , 22, 403-10	144
2168	The microvesicle as a vehicle for EMMPRIN in tumor-stromal interactions. 2004 , 23, 956-63	220
2167	Exosomes: endosomal-derived vesicles shipping extracellular messages. 2004 , 16, 415-21	806
2166	TSAP6 facilitates the secretion of translationally controlled tumor protein/histamine-releasing factor via a nonclassical pathway. 2004 , 279, 46104-12	162
2165	Exosome-based immunotherapy. 2004 , 53, 234-9	91
2164	Proteomic analysis of melanoma-derived exosomes by two-dimensional polyacrylamide gel electrophoresis and mass spectrometry. 2004 , 4, 4019-31	257
2163	Hypothesis: could the signalling function of membrane microdomains involve a localized transition of lipids from liquid to solid state?. 2004 , 5, 3	16
2162	Association of hepatitis C virus envelope proteins with exosomes. 2004 , 34, 2834-42	155
2161	Expression of milk fat globule epidermal growth factor 8 in immature dendritic cells for engulfment of apoptotic cells. 2004 , 34, 1414-22	100
2160	Identification of protein associations in organelles, using mass spectrometry-based proteomics. 2004 , 23, 259-80	46

2159	Real time analysis of intact organelles using surface plasmon resonance. 2004 , 334, 367-75	15
2158	Identification and proteomic profiling of exosomes in human urine. 2004 , 101, 13368-73	1570
2157	Cells release prions in association with exosomes. 2004 , 101, 9683-8	774
2156	Endocytosis, intracellular sorting, and processing of exosomes by dendritic cells. 2004 , 104, 3257-66	730
2155	Retrovirus budding. 2004 , 20, 395-425	532
2154	Proteomic analysis of exosomes isolated from human malignant pleural effusions. 2004 , 31, 114-21	314
2153	Differences of soluble CD40L in sera and plasma: implications on CD40L assay as a marker of thrombotic risk. 2004 , 114, 143-8	69
2152	Endosomes, exosomes and Trojan viruses. 2004 , 12, 310-6	135
2151	Proteomic analysis of exosomes secreted by human mesothelioma cells. 2004 , 164, 1807-15	289
2150	Antigen delivery by dendritic cells. 2004 , 294, 337-44	26
2149	Immune response against dying tumor cells. 2004 , 84, 131-79	94
2148	Exosomes from plasmacytoma cells as a tumor vaccine. 2004 , 27, 282-8	66
2147	Microparticles shed from different antigen-presenting cells display an individual pattern of surface molecules and a distinct potential of allogeneic T-cell activation. 2005 , 61, 226-33	26
2146	Tolerosome-induced oral tolerance is MHC dependent. 2005 , 116, 464-76	63
2145	Tumour-derived exosomes and their role in cancer-associated T-cell signalling defects. 2005 , 92, 305-11	301
2144	Viral entry: a detour through multivesicular bodies. 2005 , 7, 641-2	16
2143	Proteomics of organelles and large cellular structures. 2005 , 6, 702-14	351
2142	Exosomes: a bubble ride for prions?. 2005 , 6, 10-7	85

2141	Maturation of function in dendritic cells for tolerance and immunity. 2005 , 9, 643-54	66
2140	Fractalkine-upregulated milk-fat globule EGF factor-8 protein in cultured rat microglia. 2005 , 160, 92-101	60
2139	Thymic cortical epithelium induces self tolerance. 2005 , 35, 709-17	21
2138	Exosomes: a new delivery system for tumor antigens in cancer immunotherapy. 2005 , 114, 613-22	124
2137	Salivary gland epithelial cell exosomes: A source of autoantigenic ribonucleoproteins. 2005 , 52, 1517-21	156
2136	An analysis of variability in the manufacturing of dexosomes: implications for development of an autologous therapy. 2005 , 92, 238-49	8
2135	Microarrays and expression profiling in microglia research and in inflammatory brain disorders. 2005 , 81, 327-41	27
2134	No life without death--apoptosis as prerequisite for T cell activation. 2005 , 10, 707-15	36
2133	Distinct proteome features of plasma microparticles. 2005 , 5, 1940-52	77
2132	Differential proteome analysis of conditioned media to detect Smad4 regulated secreted biomarkers in colon cancer. 2005 , 5, 2587-601	80
2131	Proteome of endothelial cell-derived procoagulant microparticles. 2005 , 5, 4443-55	78
2130	Heat Shock Protein Release and Naturally Occurring Exogenous Heat Shock Proteins. 2005 , 195-219	4
2129	Novel Pathways of Protein Secretion. 2005 , 45-60	6
2128	Proteasome inhibition induces TNFR1 shedding from human airway epithelial (NCI-H292) cells. 2005 , 289, L233-43	16
2127	Dendritic cell-derived exosomes in cancer immunotherapy: exploiting nature's antigen delivery pathway. 2005 , 5, 537-47	54
2126	Cleavage of L1 in exosomes and apoptotic membrane vesicles released from ovarian carcinoma cells. 2005 , 11, 2492-501	153
2125	Proteomic analysis of microglia-derived exosomes: metabolic role of the aminopeptidase CD13 in neuropeptide catabolism. 2005 , 175, 2237-43	266
2124	ICAM-1 on exosomes from mature dendritic cells is critical for efficient naive T-cell priming. 2005 , 106, 216-23	399

2123	Distinct signaling pathways are involved in leukosialin (CD43) down-regulation, membrane blebbing, and phospholipid scrambling during neutrophil apoptosis. 2005 , 280, 5843-53	32
2122	Tumour-derived exosomes or microvesicles: another mechanism of tumour escape from the host immune system?. 2005 , 92, 209-11	79
2121	Mixed Leukocyte Reactions. 2005 , 350-360	2
2120	Diacylglycerol kinase alpha regulates the secretion of lethal exosomes bearing Fas ligand during activation-induced cell death of T lymphocytes. 2005 , 280, 28439-50	91
2119	Interaction of the mammalian endosomal sorting complex required for transport (ESCRT) III protein hSnf7-1 with itself, membranes, and the AAA+ ATPase SKD1. 2005 , 280, 12799-809	125
2118	Gametes alter the oviductal secretory proteome. 2005 , 4, 1785-96	123
2117	Exosomes: Specific Intercellular Nano-Shuttles?. 2005 , 1, 1-6	14
2116	Cytoplasmic microvesicular form of Fas ligand in human early placenta: switching the tissue immune privilege hypothesis from cellular to vesicular level. 2005 , 11, 35-41	139
2115	Swapping molecules during cell-cell interactions. 2005 , 2005, pe8	26
2114	Cell biology of antigen processing in vitro and in vivo. 2005 , 23, 975-1028	883
2113	Exosome-dependent trafficking of HSP70: a novel secretory pathway for cellular stress proteins. 2005 , 280, 23349-55	432
2112	Exosomal-like vesicles are present in human blood plasma. 2005 , 17, 879-87	930
2111	The potential of exosomes in immunotherapy. 2005 , 5, 737-47	40
2110	Membrane microparticles: two sides of the coin. 2005 , 20, 22-7	475
2109	Release of extracellular membrane particles carrying the stem cell marker prominin-1 (CD133) from neural progenitors and other epithelial cells. 2005 , 118, 2849-58	350
2108	Escape strategies and reasons for failure in the interaction between tumour cells and the immune system: how can we tilt the balance towards immune-mediated cancer control?. 2005 , 5, 463-76	54
2107	Identification, proteomic profiling, and origin of ram epididymal fluid exosome-like vesicles. 2005 , 72, 1452-65	141
2106	Old lysosomes, new tricks: MHC II dynamics in DCs. 2005 , 26, 72-8	36

2105	Direct stimulation of naïve T cells by antigen-presenting cell vesicles. 2005 , 35, 17-20	43
2104	Exosome release by reticulocytes--an integral part of the red blood cell differentiation system. 2005 , 35, 21-6	73
2103	Accumulation of MFG-E8/lactadherin on exosomes from immature dendritic cells. 2005 , 35, 81-8	95
2102	The immunogenicity of dendritic cell-derived exosomes. 2005 , 35, 94-110	91
2101	Mature dendritic cells secrete exosomes with strong ability to induce antigen-specific effector immune responses. 2005 , 35, 89-93	195
2100	The potential of exosomes in immunotherapy of cancer. 2005 , 35, 111-5	36
2099	Human small intestinal epithelial cells constitutively express the key elements for antigen processing and the production of exosomes. 2005 , 35, 122-8	41
2098	Dexosomes as a therapeutic cancer vaccine: from bench to bedside. 2005 , 35, 129-35	28
2097	Prions and exosomes: from PrP ^C trafficking to PrP ^{Sc} propagation. 2005 , 35, 143-8	73
2096	Exosome secretion and red cell maturation: Exploring molecular components involved in the docking and fusion of multivesicular bodies in K562 cells. 2005 , 35, 153-7	33
2095	Exosome Display technology: applications to the development of new diagnostics and therapeutics. 2005 , 35, 158-68	120
2094	Exosomes contain ubiquitinated proteins. 2005 , 35, 398-403	118
2093	Vaccination of metastatic melanoma patients with autologous dendritic cell (DC) derived-exosomes: results of the first phase I clinical trial. 2005 , 3, 10	769
2092	A phase I study of dexosome immunotherapy in patients with advanced non-small cell lung cancer. 2005 , 3, 9	683
2091	The 3-hydroxy group and 4,5-trans double bond of sphingomyelin are essential for modulation of galactosylceramide transmembrane asymmetry. 2005 , 88, 2670-80	21
2090	MHC Class II. 2005 , 12-22	
2089	Exovesicles from human activated dendritic cells fuse with resting dendritic cells, allowing them to present alloantigens. 2006 , 169, 2127-36	75
2088	Exosomes: a common pathway for a specialized function. 2006 , 140, 13-21	649

2087	A central role for central tolerance. 2006 , 24, 571-606	566
2086	Circulating microparticles: a potential prognostic marker for atherosclerotic vascular disease. 2006 , 48, 180-6	303
2085	Immune protection effect of exosomes against attack of L1210 tumor cells. 2006 , 47, 913-8	26
2084	Intracellular assembly and budding of the Murine Leukemia Virus in infected cells. 2006 , 3, 12	18
2083	Exosomes biological significance: A concise review. 2006 , 36, 315-21	265
2082	Urinary gamma-glutamyltransferase (GGT) as a potential marker of bone resorption. 2006 , 39, 1276-82	10
2081	Exosomes are released by cultured cortical neurones. 2006 , 31, 642-8	603
2080	Apoptotic vesicles crossprime CD8 T cells and protect against tuberculosis. 2006 , 24, 105-17	297
2079	Migratory dendritic cells transfer antigen to a lymph node-resident dendritic cell population for efficient CTL priming. 2006 , 25, 153-62	551
2078	Dendritic cells regulate exposure of MHC class II at their plasma membrane by oligoubiquitination. 2006 , 25, 885-94	152
2077	Crossprocessing and Crosspresentation. 427-453	
2076	Crosspresentation and Loading of Tumor Antigens for Dendritic Cell Vaccination against Cancer. 1129-1142	
2075	Characterization and role of lentivirus-associated host proteins. 2006 , 231, 252-63	21
2074	Cellular prion protein is released on exosomes from activated platelets. 2006 , 107, 3907-11	108
2073	Patterns of expression, membrane localization, and effects of ectopic expression suggest a function for MS4a4B, a CD20 homolog in Th1 T cells. 2006 , 107, 2400-8	19
2072	Weaning-induced expression of a milk-fat globule protein, MFG-E8, in mouse mammary glands, as demonstrated by the analyses of its mRNA, protein and phosphatidylserine-binding activity. 2006 , 395, 21-30	44
2071	Ovine plasma prion protein levels show genotypic variation detected by C-terminal epitopes not exposed in cell-surface PrPC. 2006 , 400, 349-58	15
2070	Intercellular Communication via Protein Transfer. 499-515	

2069	A role for exosomes in the constitutive and stimulus-induced ectodomain cleavage of L1 and CD44. 2006 , 393, 609-18	199
2068	Citron kinase, a RhoA effector, enhances HIV-1 virion production by modulating exocytosis. 2006 , 7, 1643-53	44
2067	Sjögren's syndrome: why autoimmune epithelitis?. 2006 , 12, 523-32	63
2066	Dendritic-cell interactions with HIV: infection and viral dissemination. <i>Nature Reviews Immunology</i> , 2006 , 6, 859-68	36.5 426
2065	Mechanisms of pathogen entry through the endosomal compartments. 2006 , 7, 495-504	271
2064	Prions and their lethal journey to the brain. 2006 , 4, 201-11	154
2063	Increase of circulating neutrophil and platelet microparticles during acute vasculitis and hemodialysis. 2006 , 69, 1416-23	127
2062	Human tumor-derived vs dendritic cell-derived exosomes have distinct biologic roles and molecular profiles. 2006 , 36, 247-54	92
2061	Exosomes: from biogenesis and secretion to biological function. 2006 , 107, 102-8	651
2060	The immune regulatory effect of apoptotic cells and exosomes on dendritic cells: its impact on transplantation. 2006 , 6, 254-61	56
2059	Role of exosomes in immune regulation. 2006 , 10, 364-75	105
2058	Prospects for exosomes in immunotherapy of cancer. 2006 , 10, 376-88	125
2057	BCR-bound antigen is targeted to exosomes in human follicular lymphoma B-cells. 2006 , 98, 491-501	35
2056	Cell membrane microparticles in blood and blood products: potentially pathogenic agents and diagnostic markers. 2006 , 20, 1-26	265
2055	Exosomes released by EBV-infected nasopharyngeal carcinoma cells convey the viral latent membrane protein 1 and the immunomodulatory protein galectin 9. 2006 , 6, 283	188
2054	Efficient induction of antitumor T cell immunity by exosomes derived from heat-shocked lymphoma cells. 2006 , 36, 1598-607	141
2053	Prostasome-derived proteins capable of eliciting an immune response in prostate cancer patients. 2006 , 119, 847-53	18
2052	Multivesicular bodies and autophagy in erythrocyte maturation. 2006 , 2, 122-5	65

2051	Regulation and functional relevance of milk fat globules and their components in the mammary gland. 2006 , 70, 2019-27	37
2050	Role of carbonic anhydrases in the progression of renal cell carcinoma subtypes: proposal of a unified hypothesis. 2006 , 24, 754-79	27
2049	Immature dendritic cell-derived exosomes can mediate HIV-1 trans infection. 2006 , 103, 738-43	247
2048	Extracellular TNFR1 release requires the calcium-dependent formation of a nucleobindin 2-ARTS-1 complex. 2006 , 281, 6860-73	71
2047	Transgenic galectin-1 induces maturation of dendritic cells that elicit contrasting responses in naive and activated T cells. 2006 , 176, 7207-20	53
2046	The role of epithelial cells in the initiation and perpetuation of autoimmune lesions: lessons from Sjogren's syndrome (autoimmune epithelitis). 2006 , 15, 255-61	66
2045	Dendritic cell derived-exosomes: biology and clinical implementations. 2006 , 80, 471-8	103
2044	Mouse-adapted scrapie infection of SN56 cells: greater efficiency with microsome-associated versus purified PrP-res. 2006 , 80, 2106-17	64
2043	Endogenous myelin basic protein is presented in the periphery by both dendritic cells and resting B cells with different functional consequences. 2006 , 177, 2097-106	24
2042	Exosomes from bone marrow dendritic cells pulsed with diphtheria toxoid preferentially induce type 1 antigen-specific IgG responses in naive recipients in the absence of free antigen. 2006 , 177, 3757-62	81
2041	A eukaryotic capsular polysaccharide is synthesized intracellularly and secreted via exocytosis. 2006 , 17, 5131-40	128
2040	Direct stimulation of T lymphocytes by immunosomes: virus-like particles decorated with T cell receptor/CD3 ligands plus costimulatory molecules. 2006 , 103, 13144-9	49
2039	Proteomic and biochemical analysis of purified human immunodeficiency virus type 1 produced from infected monocyte-derived macrophages. 2006 , 80, 9039-52	355
2038	Murine mammary carcinoma exosomes promote tumor growth by suppression of NK cell function. 2006 , 176, 1375-85	380
2037	A membrane form of TNF-alpha presented by exosomes delays T cell activation-induced cell death. 2006 , 176, 7385-93	196
2036	Exosomes and HIV Gag bud from endosome-like domains of the T cell plasma membrane. 2006 , 172, 923-35	417
2035	TfR2 localizes in lipid raft domains and is released in exosomes to activate signal transduction along the MAPK pathway. 2006 , 119, 4486-98	163
2034	Exosomes with immune modulatory features are present in human breast milk. 2007 , 179, 1969-78	774

2033	Modulation of the immune response using dendritic cell-derived exosomes. 2007 , 380, 443-55	48
2032	Exosomes released from macrophages infected with intracellular pathogens stimulate a proinflammatory response in vitro and in vivo. 2007 , 110, 3234-44	429
2031	Human tumor-derived exosomes selectively impair lymphocyte responses to interleukin-2. 2007 , 67, 7458-66	394
2030	Identification and characterization of microvesicles secreted by 3T3-L1 adipocytes: redox- and hormone-dependent induction of milk fat globule-epidermal growth factor 8-associated microvesicles. 2007 , 148, 3850-62	131
2029	The brefeldin A-inhibited guanine nucleotide-exchange protein, BIG2, regulates the constitutive release of TNFR1 exosome-like vesicles. 2007 , 282, 9591-9599	43
2028	Gpnmb is induced in macrophages by IFN-gamma and lipopolysaccharide and acts as a feedback regulator of proinflammatory responses. 2007 , 178, 6557-66	148
2027	In vivo depletion of CD11c+ cells impairs scrapie agent neuroinvasion from the intestine. 2007 , 179, 7758-66	55
2026	Nonclassical IL-1 beta secretion stimulated by P2X7 receptors is dependent on inflammasome activation and correlated with exosome release in murine macrophages. 2007 , 179, 1913-25	433
2025	MHC class II+ exosomes in plasma suppress inflammation in an antigen-specific and Fas ligand/Fas-dependent manner. 2007 , 179, 2235-41	77
2024	The maturation potential of NK cell clones toward autologous dendritic cells correlates with HMGB1 secretion. 2007 , 81, 92-9	32
2023	Dendritic cell-derived exosomes express a Streptococcus pneumoniae capsular polysaccharide type 14 cross-reactive antigen that induces protective immunoglobulin responses against pneumococcal infection in mice. 2007 , 75, 220-30	47
2022	A new diagnostic marker for secreted Epstein-Barr virus encoded LMP1 and BARP1 oncoproteins in the serum and saliva of patients with nasopharyngeal carcinoma. 2007 , 13, 4993-5000	92
2021	Proteomics of lung cell biology and pulmonary disease. 2007 , 1, 255-69	4
2020	Higher-order oligomerization targets plasma membrane proteins and HIV gag to exosomes. 2007 , 5, e158	276
2019	CD24 is a marker of exosomes secreted into urine and amniotic fluid. 2007 , 72, 1095-102	257
2018	Prothrombotic effects of prostasomes isolated from prostatic cancer cell lines and seminal plasma. 2007 , 33, 80-6	10
2017	Identifikation von Exosomen im malignen Pleuraerguss und Aszites gynkologischer Patientinnen. 2007 , 67, 50-54	
2016	Midbody and primary cilium of neural progenitors release extracellular membrane particles enriched in the stem cell marker prominin-1. 2007 , 176, 483-95	219

2015	Protein kinase A-dependent translocation of Hsp90 alpha impairs endothelial nitric-oxide synthase activity in high glucose and diabetes. 2007 , 282, 9364-9371	75
2014	CD8+ dendritic cells use LFA-1 to capture MHC-peptide complexes from exosomes in vivo. 2007 , 179, 1489-96	198
2013	Nonspecific CD4(+) T cells with uptake of antigen-specific dendritic cell-released exosomes stimulate antigen-specific CD8(+) CTL responses and long-term T cell memory. 2007 , 82, 829-38	40
2012	Stimulation of P2 receptors causes release of IL-1beta-loaded microvesicles from human dendritic cells. 2007 , 109, 3856-64	192
2011	Normal prion protein trafficking in cultured human erythroblasts. 2007 , 110, 4518-25	23
2010	Aquaporin-2 protein dynamics within the cell. 2007 , 16, 348-52	23
2009	HIV-1 Gag trafficking. 2007 , 1, 427-438	11
2008	Bidirectional membrane molecule transfer between dendritic and T cells. 2007 , 359, 202-8	21
2007	CD4+ T cell acquisition of the bystander pMHC I colocalizing in the same immunological synapse comprising pMHC II and costimulatory CD40, CD54, CD80, OX40L, and 41BBL. 2007 , 362, 822-8	24
2006	Menstrual cycle-related sialidase activity of the female cervical mucus is associated with exosome-like vesicles. 2007 , 88, 1212-9	13
2005	New phosphatidylserine receptors: clearance of apoptotic cells and more. 2007 , 13, 759-60	41
2004	Microparticles of human atherosclerotic plaques enhance the shedding of the tumor necrosis factor-alpha converting enzyme/ADAM17 substrates, tumor necrosis factor and tumor necrosis factor receptor-1. 2007 , 171, 1713-23	85
2003	Immunological Tolerance. 2007 ,	
2002	The Biology of Dendritic Cells and HIV Infection. 2007 ,	2
2001	Proteomic analysis of microvesicles derived from human colorectal cancer cells. 2007 , 6, 4646-55	165
2000	Review: cancer immunotherapy by exosome-based vaccines. 2007 , 22, 692-703	48
1999	Exosomes released from infected macrophages contain Mycobacterium avium glycopeptidolipids and are proinflammatory. 2007 , 282, 25779-89	236
1998	Biomarker discovery from uveal melanoma secretomes: identification of gp100 and cathepsin D in patient serum. 2007 , 6, 2802-11	44

1997	Proteomic discovery of 21 proteins expressed in human plasma-derived but not platelet-derived microparticles. 2007 , 97, 67-80	86
1996	Epstein-Barr virus latent membrane protein 1 promotes concentration in multivesicular bodies of fibroblast growth factor 2 and its release through exosomes. 2007 , 121, 1494-506	66
1995	The transferrin receptor and the tetraspanin web molecules CD9, CD81, and CD9P-1 are differentially sorted into exosomes after TPA treatment of K562 cells. 2007 , 102, 650-64	39
1994	T cell exosomes induce cholesterol accumulation in human monocytes via phosphatidylserine receptor. 2007 , 212, 174-81	127
1993	A vaccine based on exosomes secreted by a dendritic cell line confers protection against <i>T. gondii</i> infection in syngeneic and allogeneic mice. 2007 , 9, 1614-22	101
1992	Packaging of prions into exosomes is associated with a novel pathway of PrP processing. 2007 , 211, 582-590	325
1991	A catalogue of proteins released by colorectal cancer cells in vitro as an alternative source for biomarker discovery. 2007 , 1, 47-61	28
1990	Oligodendrocytes secrete exosomes containing major myelin and stress-protective proteins: Trophic support for axons?. 2007 , 1, 1446-61	326
1989	Global proteomic profiling of native outer membrane vesicles derived from <i>Escherichia coli</i> . 2007 , 7, 3143-53	272
1988	Proteomic analysis identified N-cadherin, clusterin, and HSP27 as mediators of SPARC (secreted protein, acidic and rich in cysteines) activity in melanoma cells. 2007 , 7, 4123-34	31
1987	Tolerogenic dendritic cells and the quest for transplant tolerance. <i>Nature Reviews Immunology</i> , 2007 , 7, 610-21	36.5 722
1986	Extracellular heat shock protein-90alpha: linking hypoxia to skin cell motility and wound healing. 2007 , 26, 1221-33	225
1985	Identification of Tim4 as a phosphatidylserine receptor. 2007 , 450, 435-9	834
1984	Release of outer membrane vesicles by Gram-negative bacteria is a novel envelope stress response. 2007 , 63, 545-58	441
1983	Neurotoxic species in prion disease: a role for PrP isoforms?. 2007 , 103, 1709-20	14
1982	Expansion of human cytomegalovirus-specific T lymphocytes from unfractionated peripheral blood mononuclear cells with artificial antigen-presenting cells. 2007 , 47, 2143-52	10
1981	Autoimmune diseases caused by defects in clearing dead cells and nuclei expelled from erythroid precursors. 2007 , 220, 237-50	60
1980	Induction of autophagy promotes fusion of multivesicular bodies with autophagic vacuoles in k562 cells. 2008 , 9, 230-50	301

1979	Microparticles and exosomes: impact on normal and complicated pregnancy. 2007 , 58, 389-402	50
1978	Curcumin reverses breast tumor exosomes mediated immune suppression of NK cell tumor cytotoxicity. 2007 , 1773, 1116-23	105
1977	Malignant ascites-derived exosomes of ovarian carcinoma patients contain CD24 and EpCAM. 2007 , 107, 563-71	271
1976	Assessing the involvement of migratory dendritic cells in the transfer of the scrapie agent from the immune to peripheral nervous systems. 2007 , 187, 114-25	25
1975	Microparticles and immunomodulation in pregnancy and pre-eclampsia. 2007 , 76, 61-7	107
1974	Transferrin receptor 2 is emerging as a major player in the control of iron metabolism. 2007 , 2, 34-55	1
1973	Anti-Tumor Response and Heat Shock Proteins (HSP): A friend or Foe relationship?. 2007 , 321-336	
1972	Surface anchorage of superantigen SEA promotes induction of specific antitumor immune response by tumor-derived exosomes. 2007 , 85, 511-21	54
1971	Nonclassical export pathway: overexpression of NCE102 reduces protein and DNA damage and prolongs lifespan in an SGS1 deficient <i>Saccharomyces cerevisiae</i> . 2007 , 8, 527-35	9
1970	Increased induction of antitumor response by exosomes derived from interleukin-2 gene-modified tumor cells. 2007 , 133, 389-99	69
1969	The role of epithelial cells in the pathogenesis of Sjögren's syndrome. 2007 , 32, 225-30	62
1968	Antigen presentation by monocytes and monocyte-derived cells. 2008 , 20, 52-60	160
1967	Analysis of capturing skin antigens in the steady state using milk fat globule EGF factor 8-deficient skin-hyperpigmented mice. 2008 , 115, 131-7	4
1966	Dictyostelium extracellular vesicles containing hoechst 33342 transfer the dye into the nuclei of living cells: a fluorescence study. 2008 , 18, 319-28	13
1965	The role of exosomes in the processing of proteins associated with neurodegenerative diseases. 2008 , 37, 323-32	179
1964	Identification of collapsin response mediator protein-2 as a potential marker of colorectal carcinoma by comparative analysis of cancer cell secretomes. 2008 , 8, 316-32	109
1963	Proteomic profiling of exosomes: current perspectives. 2008 , 8, 4083-99	651
1962	Application of proteomic techniques to the study of urine and renal tissue. 2008 , 2, 1564-74	2

1961	Proteomic analysis of secretory proteins and vesicles in vascular research. 2008 , 2, 882-91	21
1960	Proteomics in gram-negative bacterial outer membrane vesicles. 2008 , 27, 535-55	222
1959	Generation of novel, secreted epidermal growth factor receptor (EGFR/ErbB1) isoforms via metalloprotease-dependent ectodomain shedding and exosome secretion. 2008 , 103, 1783-97	86
1958	Primary human keratinocytes externalize stratifin protein via exosomes. 2008 , 104, 2165-73	46
1957	Secretion of active membrane type 1 matrix metalloproteinase (MMP-14) into extracellular space in microvesicular exosomes. 2008 , 105, 1211-8	206
1956	B cell activation regulates exosomal HLA production. 2008 , 38, 1423-34	42
1955	Difference gel electrophoresis analysis of Ras-transformed fibroblast cell-derived exosomes. 2008 , 29, 2660-71	58
1954	Systemic transmigration of allosensitizing donor dendritic cells to host secondary lymphoid organs after rat liver transplantation. 2008 , 47, 1352-62	31
1953	Proteomic analysis of exosomes from human neural stem cells by flow field-flow fractionation and nanoflow liquid chromatography-tandem mass spectrometry. 2008 , 7, 3475-80	137
1952	The stem cell marker prominin-1/CD133 on membrane particles in human cerebrospinal fluid offers novel approaches for studying central nervous system disease. 2008 , 26, 698-705	76
1951	Biology of dendritic cells. 2008 , 2, 296-311	1
1950	Human herpesvirus-6 induces MVB formation, and virus egress occurs by an exosomal release pathway. 2008 , 9, 1728-42	141
1949	Exosome secretion, including the DNA damage-induced p53-dependent secretory pathway, is severely compromised in TSAP6/Steap3-null mice. 2008 , 15, 1723-33	236
1948	Glioblastoma microvesicles transport RNA and proteins that promote tumour growth and provide diagnostic biomarkers. 2008 , 10, 1470-6	3575
1947	Tumour-released exosomes and their implications in cancer immunity. 2008 , 15, 80-8	398
1946	Accelerated release of exosome-associated GM1 ganglioside (GM1) by endocytic pathway abnormality: another putative pathway for GM1-induced amyloid fibril formation. 2008 , 105, 217-24	62
1945	Exosomes - nanovesicles with possible roles in allergic inflammation. 2008 , 63, 404-8	87
1944	Endosomal sorting complex required for transport proteins in cancer pathogenesis, vesicular transport, and non-endosomal functions. 2008 , 99, 1293-303	49

1943	Different types of in vitro generated human monocyte-derived dendritic cells release exosomes with distinct phenotypes. 2008 , 123, 491-9	42
1942	Dendritic cells derived from bone marrow cells fail to acquire and present major histocompatibility complex antigens from other dendritic cells. 2008 , 124, 542-52	5
1941	Serum-derived exosomes from antigen-fed mice prevent allergic sensitization in a model of allergic asthma. 2008 , 125, 21-7	75
1940	Multiple roles of LMP1 in Epstein-Barr virus induced immune escape. 2008 , 18, 388-96	85
1939	Circulating microparticles in normal pregnancy and pre-eclampsia. 2008 , 29 Suppl A, S73-7	176
1938	T lymphocytes are targets for platelet- and trophoblast-derived microvesicles during pregnancy. 2008 , 29, 826-32	42
1937	Increased exosome production from tumour cell cultures using the Integra CELLline Culture System. 2008 , 335, 98-105	91
1936	Itinerant exosomes: emerging roles in cell and tissue polarity. 2008 , 18, 199-209	318
1935	Role of dendritic cells in the lung: in vitro models, animal models and human studies. 2008 , 2, 215-33	16
1934	Characterization and comprehensive proteome profiling of exosomes secreted by hepatocytes. 2008 , 7, 5157-66	427
1933	More insights into the immunosuppressive potential of tumor exosomes. 2008 , 6, 63	30
1932	Exosomes secreted by bacterially infected macrophages are proinflammatory. 2008 , 1, pe8	41
1931	Exosomes. 2008 , 484, 97-109	18
1930	Functional proteomics. Preface. 2008 , 484, v-vii	5
1929	Platelet microparticles and vascular cells interactions: a checkpoint between the haemostatic and thrombotic responses. 2008 , 19, 9-23	111
1928	Human tumor nanoparticles induce apoptosis of pancreatic cancer cells. 2008 , 22, 3358-69	117
1927	Virus-like vesicles and extracellular DNA produced by hyperthermophilic archaea of the order Thermococcales. 2008 , 159, 390-9	97
1926	Enrichment of prion protein in exosomes derived from ovine cerebral spinal fluid. 2008 , 124, 385-93	153

1925	Exosome-like vesicles in <i>Glycydus blomhoffii blomhoffii</i> venom. 2008 , 51, 984-93	29
1924	Ceramide triggers budding of exosome vesicles into multivesicular endosomes. 2008 , 319, 1244-7	2183
1923	Circulating TNFR1 exosome-like vesicles partition with the LDL fraction of human plasma. 2008 , 366, 579-84	35
1922	Exosomes as a short-range mechanism to spread alloantigen between dendritic cells during T cell allorecognition. 2008 , 180, 3081-90	174
1921	Tissue factor and its natural inhibitor in pre-eclampsia and SGA. 2008 , 21, 855-69	42
1920	Transfer of T cell surface molecules to dendritic cells upon CD4+ T cell priming involves two distinct mechanisms. 2008 , 181, 3965-73	26
1919	Phase I clinical trial of autologous ascites-derived exosomes combined with GM-CSF for colorectal cancer. 2008 , 16, 782-90	505
1918	Inhibition of gamma-secretase causes increased secretion of amyloid precursor protein C-terminal fragments in association with exosomes. 2008 , 22, 1469-78	205
1917	Molecular mechanisms of soluble cytokine receptor generation. 2008 , 283, 14177-81	109
1916	Adenosine receptors control a new pathway of Fas-associated death domain protein expression regulation by secretion. 2008 , 283, 17929-38	15
1915	Exosomes from bronchoalveolar fluid of tolerized mice prevent allergic reaction. 2008 , 181, 1519-25	132
1914	Human immunodeficiency virus type 1 vaccine development: recent advances in the cytotoxic T-lymphocyte platform "spotty business". 2008 , 82, 3166-80	29
1913	Transforming growth factor alpha (TGFalpha)-stimulated secretion of HSP90alpha: using the receptor LRP-1/CD91 to promote human skin cell migration against a TGFbeta-rich environment during wound healing. 2008 , 28, 3344-58	175
1912	cAMP-dependent protein kinase A (PKA) signaling induces TNFR1 exosome-like vesicle release via anchoring of PKA regulatory subunit RIIbeta to BIG2. 2008 , 283, 25364-25371	18
1911	Collective cell migration requires vesicular trafficking for chemoattractant delivery at the trailing edge. 2008 , 183, 949-61	82
1910	A fusion inhibitor prevents spread of immunodeficiency viruses, but not activation of virus-specific T cells, by dendritic cells. 2008 , 82, 5329-39	24
1909	A comprehensive platform for ex vivo T-cell expansion based on biodegradable polymeric artificial antigen-presenting cells. 2008 , 16, 765-72	138
1908	Plasma membrane deformation by circular arrays of ESCRT-III protein filaments. 2008 , 180, 389-402	343

1907	Thymus exosomes-like particles induce regulatory T cells. 2008 , 181, 5242-8	116
1906	Exosome-like vesicles with dipeptidyl peptidase IV in human saliva. 2008 , 31, 1059-62	182
1905	Ex vivo experiments of human ovarian cancer ascites-derived exosomes presented by dendritic cells derived from umbilical cord blood for immunotherapy treatment. 2008 , 2, 461-7	23
1904	High levels of exosomes expressing CD63 and caveolin-1 in plasma of melanoma patients. 2009 , 4, e5219	650
1903	Urinary exosomes. 2009 , 9, 1107-18	48
1902	Exosomes packaging APOBEC3G confer human immunodeficiency virus resistance to recipient cells. 2009 , 83, 512-21	124
1901	Noncytotoxic suppression of human immunodeficiency virus type 1 transcription by exosomes secreted from CD8+ T cells. 2009 , 83, 4354-64	59
1900	Vacuolar protein sorting pathway contributes to the release of Marburg virus. 2009 , 83, 2327-37	38
1899	No significant CTL cross-priming by dendritic cell-derived exosomes during murine lymphocytic choriomeningitis virus infection. 2009 , 182, 2213-20	16
1898	Cytomegalovirus-infected human endothelial cells can stimulate allogeneic CD4+ memory T cells by releasing antigenic exosomes. 2009 , 182, 1548-59	115
1897	Membrane microvesicles as actors in the establishment of a favorable prostatic tumoral niche: a role for activated fibroblasts and CX3CL1-CX3CR1 axis. 2009 , 69, 785-93	270
1896	Cancer and pregnancy: parallels in growth, invasion, and immune modulation and implications for cancer therapeutic agents. 2009 , 84, 985-1000	192
1895	The role of cbl family of ubiquitin ligases in gastric cancer exosome-induced apoptosis of Jurkat T cells. 2009 , 48, 1173-80	37
1894	Tumor apoptotic bodies inhibit CTL responses and antitumor immunity via membrane-bound transforming growth factor-beta1 inducing CD8+ T-cell anergy and CD4+ Tr1 cell responses. 2009 , 69, 7756-66	44
1893	Exosomal secretion of cytoplasmic prostate cancer xenograft-derived proteins. 2009 , 8, 1192-205	86
1892	Artificial exosomes as tools for basic and clinical immunology. 2009 , 344, 121-32	65
1891	Colorectal cancer cell-derived microvesicles are enriched in cell cycle-related mRNAs that promote proliferation of endothelial cells. 2009 , 10, 556	312
1890	Claudin-containing exosomes in the peripheral circulation of women with ovarian cancer. 2009 , 9, 244	175

1889	TI-VAMP/VAMP7 and VAMP3/cellubrevin: two v-SNARE proteins involved in specific steps of the autophagy/multivesicular body pathways. 2009 , 1793, 1901-16	326
1888	Induced release of membrane vesicles from rat adipocytes containing glycosylphosphatidylinositol-anchored microdomain and lipid droplet signalling proteins. 2009 , 21, 324-38	59
1887	Long-lasting cross-presentation of tumor antigen in human DC. 2009 , 39, 380-90	49
1886	Profile of exosomes related proteins released by differentiated and undifferentiated human keratinocytes. 2009 , 221, 221-31	58
1885	Therapeutic effect of exosomes from indoleamine 2,3-dioxygenase-positive dendritic cells in collagen-induced arthritis and delayed-type hypersensitivity disease models. 2009 , 60, 380-9	120
1884	P2X7 receptors regulate multiple types of membrane trafficking responses and non-classical secretion pathways. 2009 , 5, 163-73	83
1883	On the origin of serum CD26 and its altered concentration in cancer patients. 2009 , 58, 1723-47	158
1882	Stimulation of glioma cell motility by expression, proteolysis, and release of the L1 neural cell recognition molecule. 2009 , 9, 27	21
1881	Autophagy and multivesicular bodies: two closely related partners. 2009 , 16, 70-8	318
1880	Multivesicular bodies associate with components of miRNA effector complexes and modulate miRNA activity. 2009 , 11, 1143-9	782
1879	M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex. 2009 , 11, 1427-32	227
1878	The molecular programme of tumour reversion: the steps beyond malignant transformation. 2009 , 9, 206-16	123
1877	Antigen presentation in the thymus for positive selection and central tolerance induction. <i>Nature Reviews Immunology</i> , 2009 , 9, 833-44	36.5 395
1876	A novel strategy for the invasive toxin: hijacking exosome-mediated intercellular trafficking. 2009 , 10, 411-24	26
1875	Dynamics of membrane trafficking downstream of B and T cell receptor engagement: impact on immune synapses. 2009 , 10, 629-36	27
1874	Sorting of MHC class II molecules into exosomes through a ubiquitin-independent pathway. 2009 , 10, 1518-27	52
1873	MHC II in dendritic cells is targeted to lysosomes or T cell-induced exosomes via distinct multivesicular body pathways. 2009 , 10, 1528-42	284
1872	Induced translocation of glycosylphosphatidylinositol-anchored proteins from lipid droplets to adiposomes in rat adipocytes. 2009 , 158, 749-70	25

1871	Cell-derived microparticles: a new challenge in neuroscience. 2009 , 110, 457-68	74
1870	Nanovesicles released by Dictyostelium cells: a potential carrier for drug delivery. 2009 , 380, 206-15	30
1869	Trypanosoma cruzi: parasite shed vesicles increase heart parasitism and generate an intense inflammatory response. 2009 , 11, 29-39	136
1868	Exosomes: proteomic insights and diagnostic potential. 2009 , 6, 267-83	760
1867	Cell secretome analysis using hollow fiber culture system leads to the discovery of CLIC1 protein as a novel plasma marker for nasopharyngeal carcinoma. 2009 , 8, 5465-74	53
1866	Immunomodulators released during rotavirus infection of polarized caco-2 cells. 2009 , 22, 163-72	18
1865	Characterization of vesicles secreted from insulinoma NIT-1 cells. 2009 , 8, 2851-62	46
1864	Microenvironmental pH is a key factor for exosome traffic in tumor cells. 2009 , 284, 34211-22	933
1863	MHC independent anti-tumor immune responses induced by Hsp70-enriched exosomes generate tumor regression in murine models. 2009 , 275, 256-65	97
1862	Systemic presence and tumor-growth promoting effect of ovarian carcinoma released exosomes. 2009 , 278, 73-81	235
1861	Massive secretion by T cells is caused by HIV Nef in infected cells and by Nef transfer to bystander cells. 2009 , 6, 218-30	132
1860	Proteomic profiling of human plasma exosomes identifies PPARgamma as an exosome-associated protein. 2009 , 378, 433-8	119
1859	Red blood cell Na pump: Insights from species differences. 2009 , 42, 192-200	9
1858	Exosomes are an effective vaccine against congenital toxoplasmosis in mice. 2009 , 27, 1750-7	74
1857	Mechanisms of interleukin-1beta release. 2009 , 214, 543-53	203
1856	Characterization of exosome-like vesicles released from human tracheobronchial ciliated epithelium: a possible role in innate defense. 2009 , 23, 1858-68	261
1855	Modulation of allergen-specific T-lymphocyte function by virus-like particles decorated with HLA class II molecules. 2009 , 124, 121-8	25
1854	Gastric cancer exosomes promote tumour cell proliferation through PI3K/Akt and MAPK/ERK activation. 2009 , 41, 875-80	212

1853	Isolation of extracellular membranous vesicles for proteomic analysis. 2009 , 528, 227-42	36
1852	Active uptake of dendritic cell-derived exovesicles by epithelial cells induces the release of inflammatory mediators through a TNF-alpha-mediated pathway. 2009 , 175, 696-705	77
1851	How sweet it is! Cell wall biogenesis and polysaccharide capsule formation in <i>Cryptococcus neoformans</i> . 2009 , 63, 223-47	156
1850	Proteomic analysis of human parotid gland exosomes by multidimensional protein identification technology (MudPIT). 2009 , 8, 1304-14	221
1849	Dendritic Cells in Cancer. 2009 ,	1
1848	Human placenta expresses and secretes NKG2D ligands via exosomes that down-modulate the cognate receptor expression: evidence for immunosuppressive function. 2009 , 183, 340-51	218
1847	Cancer and Pregnancy: Parallels in Growth, Invasion, and Immune Modulation and Implications for Cancer Therapeutic Agents. 2009 , 84, 985-1000	137
1846	Capture and transfer of HIV-1 particles by mature dendritic cells converges with the exosome-dissemination pathway. 2009 , 113, 2732-41	178
1845	Phospholipids: key players in apoptosis and immune regulation. 2009 , 14, 4892-914	98
1844	Exosomes derived from IL-12-anchored renal cancer cells increase induction of specific antitumor response in vitro: A novel vaccine for renal cell carcinoma. 2009 , 36,	7
1843	Endothelial cell-derived microparticles induce plasmacytoid dendritic cell maturation: potential implications in inflammatory diseases. 2009 , 94, 1502-12	75
1842	Antigen-loaded exosomes alone induce Th1-type memory through a B-cell-dependent mechanism. 2009 , 113, 2673-83	164
1841	CXCR4 expression and biologic activity in acute myeloid leukemia are dependent on oxygen partial pressure. 2009 , 113, 1504-12	99
1840	The role of the thymus in tolerance. 2010 , 90, 465-74	74
1839	Interleukin-12-anchored exosomes increase cytotoxicity of T lymphocytes by reversing the JAK/STAT pathway impaired by tumor-derived exosomes. 2010 , 25, 695-700	9
1838	Secreted Heat Shock Protein-90#: A More Effective and Safer Target for Anti-Cancer Drugs?. 2010 , 5, 121-127	7
1837	Structural-mechanical characterization of nanoparticle exosomes in human saliva, using correlative AFM, FESEM, and force spectroscopy. 2010 , 4, 1921-6	244
1836	Membrane-bound HSP70-engineered myeloma cell-derived exosomes stimulate more efficient CD8(+) CTL- and NK-mediated antitumour immunity than exosomes released from heat-shocked tumour cells expressing cytoplasmic HSP70. 2010 , 14, 2655-66	95

1835	Advances in the design and delivery of peptide subunit vaccines with a focus on toll-like receptor agonists. 2010 , 9, 157-73	134
1834	Circulating tumour-derived microvesicles in plasma of gastric cancer patients. 2010 , 59, 841-50	200
1833	Relevance of circulating tumor cells, extracellular nucleic acids, and exosomes in breast cancer. 2010 , 123, 613-25	60
1832	Secretion of extracellular hsp90alpha via exosomes increases cancer cell motility: a role for plasminogen activation. 2010 , 10, 294	215
1831	Immunoscreening of the extracellular proteome of colorectal cancer cells. 2010 , 10, 70	33
1830	Soluble adhesion molecules in human cancers: sources and fates. 2010 , 89, 415-27	39
1829	Inhibition of LINE-1 and Alu retrotransposition by exosomes encapsidating APOBEC3G and APOBEC3F. 2010 , 400, 68-75	27
1828	C2C12 myoblasts release micro-vesicles containing mtDNA and proteins involved in signal transduction. 2010 , 316, 1977-84	186
1827	Cardiomyocyte progenitor cell-derived exosomes stimulate migration of endothelial cells. 2010 , 14, 1064-70	170
1826	Use of SYTO 13, a fluorescent dye binding nucleic acids, for the detection of microparticles in in vitro systems. 2010 , 77, 294-301	24
1825	Sperm-egg interaction: is there a link between tetraspanin(s) and GPI-anchored protein(s)?. 2010 , 32, 143-52	18
1824	The cancer cell secretome: a good source for discovering biomarkers?. 2010 , 73, 1896-906	156
1823	Analysis of Differentially Expressed Proteome in Urinary Exosome from Non-small Cell Lung Cancer Patients. 2010 , 38, 325-331	2
1822	Proteomic analysis identifies highly antigenic proteins in exosomes from M. tuberculosis-infected and culture filtrate protein-treated macrophages. 2010 , 10, 3190-202	119
1821	Pre-eclampsia: fitting together the placental, immune and cardiovascular pieces. 2010 , 221, 363-78	145
1820	Atomic force microscopy: a novel approach to the detection of nanosized blood microparticles. 2010 , 8, 315-23	185
1819	Optical and non-optical methods for detection and characterization of microparticles and exosomes. 2010 , 8, 2596-607	382
1818	Transdifferentiated circulating monocytes release exosomes containing 14-3-3 proteins with matrix metalloproteinase-1 stimulating effect for dermal fibroblasts. 2010 , 18, 245-53	26

1817	Transfer of the glycosylphosphatidylinositol-anchored 5'-nucleotidase CD73 from adiposomes into rat adipocytes stimulates lipid synthesis. 2010 , 160, 878-91	32
1816	14-Deoxyandrographolide desensitizes hepatocytes to tumour necrosis factor-alpha-induced apoptosis through calcium-dependent tumour necrosis factor receptor superfamily member 1A release via the NO/cGMP pathway. 2010 , 160, 1823-43	15
1815	Cellular internalization of exosomes occurs through phagocytosis. 2010 , 11, 675-87	614
1814	99th Dahlem conference on infection, inflammation and chronic inflammatory disorders: microbes, apoptosis and TIM-1 in the development of asthma. 2010 , 160, 125-9	11
1813	Autoimmune response and target autoantigens in Sjogren's syndrome. 2010 , 40, 1026-36	49
1812	The role of placental exosomes in reproduction. 2010 , 63, 520-33	165
1811	Rab27a and Rab27b control different steps of the exosome secretion pathway. 2010 , 12, 19-30; sup pp 1-13	1505
1810	Tumor antigen presentation by dendritic cells. 2010 , 30, 345-86	44
1809	Tumor-derived microvesicles induce, expand and up-regulate biological activities of human regulatory T cells (Treg). 2010 , 5, e11469	304
1808	Preferential transfer of certain plasma membrane proteins onto T and B cells by trogocytosis. 2010 , 5, e8716	29
1807	Nanostructural and transcriptomic analyses of human saliva derived exosomes. 2010 , 5, e8577	236
1806	Glycosyl-Phosphatidylinositol-Anchored Interleukin-2 Expressed on Tumor-Derived Exosomes Induces Antitumor Immune Response in Vitro. 2010 , 96, 452-459	12
1805	Membrane-associated Hsp72 from tumor-derived exosomes mediates STAT3-dependent immunosuppressive function of mouse and human myeloid-derived suppressor cells. 2010 , 120, 457-71	651
1804	Cellular prion protein released on exosomes from macrophages binds to Hsp70. 2010 , 42, 345-50	14
1803	Exosomal membrane molecules are potent immune response modulators. 2010 , 3, 405-8	58
1802	Exosome release of Eatenin: a novel mechanism that antagonizes Wnt signaling. 2010 , 190, 1079-91	379
1801	CD23 Sheddase A disintegrin and metalloproteinase 10 (ADAM10) is also required for CD23 sorting into B cell-derived exosomes. 2010 , 285, 37531-41	40
1800	The release of microparticles by RAW 264.7 macrophage cells stimulated with TLR ligands. 2010 , 87, 1115-23	38

1799	Identification of essential filovirion-associated host factors by serial proteomic analysis and RNAi screen. 2010 , 9, 2690-703	56
1798	Let-7 microRNA family is selectively secreted into the extracellular environment via exosomes in a metastatic gastric cancer cell line. 2010 , 5, e13247	456
1797	Mycobacterium tuberculosis synergizes with ATP to induce release of microvesicles and exosomes containing major histocompatibility complex class II molecules capable of antigen presentation. 2010 , 78, 5116-25	85
1796	Dendritic cells recruit T cell exosomes via exosomal LFA-1 leading to inhibition of CD8+ CTL responses through downregulation of peptide/MHC class I and Fas ligand-mediated cytotoxicity. 2010 , 185, 5268-78	81
1795	Tumor necrosis factor gene-engineered J558 tumor cell-released exosomes stimulate tumor antigen P1A-specific CD8+ CTL responses and antitumor immunity. 2010 , 25, 21-8	21
1794	The herpes simplex virus-1 encoded glycoprotein B diverts HLA-DR into the exosome pathway. 2010 , 184, 236-43	85
1793	Ectosomes released by polymorphonuclear neutrophils induce a MerTK-dependent anti-inflammatory pathway in macrophages. 2010 , 285, 39914-21	92
1792	Exosome-driven antigen transfer for MHC class II presentation facilitated by the receptor binding activity of influenza hemagglutinin. 2010 , 185, 6608-16	44
1791	Inhibition of lipolysis by adiposomes containing glycosylphosphatidylinositol-anchored Gce1 protein in rat adipocytes. 2010 , 116, 28-41	22
1790	HIV and mature dendritic cells: Trojan exosomes riding the Trojan horse?. 2010 , 6, e1000740	134
1789	Circulating MicroRNAs in Cancer. 2010 , 129-145	1
1788	Direct detection of HSulf-1 and HSulf-2 activities on extracellular heparan sulfate and their inhibition by PI-88. 2010 , 20, 175-86	66
1787	Dendritic Cells and HIV-1 Trans-Infection. 2010 , 2, 1704-17	42
1786	Placental exosome-mediated immune protection of the fetus: feeling groovy in a cloud of exosomes. 2010 , 5, 619-634	7
1785	Screening for kidney cancer: is there a role for aquaporin-1 and adipophilin?. 2010 , 85, 410-2	9
1784	Therapeutic antibodies directed at G protein-coupled receptors. 2010 , 2, 594-606	121
1783	Using 'omics' to define pathogenesis and biomarkers of Parkinson's disease. 2010 , 10, 925-42	63
1782	Cell-produced alpha-synuclein is secreted in a calcium-dependent manner by exosomes and impacts neuronal survival. 2010 , 30, 6838-51	761

1781	Identification and characterization of venom proteins of two solitary wasps, <i>Eumenes pomiformis</i> and <i>Orancistrocerus drewseni</i> . 2010 , 56, 554-62	28
1780	HIV-1 is budded from CD4+ T lymphocytes independently of exosomes. 2010 , 7, 234	21
1779	Proteomic identification and characterization of secreted N-glycosylated NPC2 following cross-linking of the high-affinity receptor for IgE on mast cells. 2010 , 34, 353-9	3
1778	Secretome analysis of multiple pancreatic cancer cell lines reveals perturbations of key functional networks. 2010 , 9, 4376-92	40
1777	Serum microRNA signatures identified in a genome-wide serum microRNA expression profiling predict survival of non-small-cell lung cancer. 2010 , 28, 1721-6	673
1776	Dendritic cells as therapeutic agents against cancer. 2010 , 15, 321-47	12
1775	Secreted monocytic miR-150 enhances targeted endothelial cell migration. 2010 , 39, 133-44	944
1774	The role of intrinsic epithelial activation in the pathogenesis of Sjögren's syndrome. 2010 , 35, 219-24	111
1773	CpG-induced secretion of MHCIIbeta and exosomes from salmon (<i>Salmo salar</i>) APCs. 2010 , 34, 29-41	47
1772	A membranous form of ICAM-1 on exosomes efficiently blocks leukocyte adhesion to activated endothelial cells. 2010 , 397, 251-6	56
1771	Microfluidic isolation and transcriptome analysis of serum microvesicles. 2010 , 10, 505-11	377
1770	The role of microparticles in the pathogenesis of rheumatic diseases. 2010 , 6, 21-9	201
1769	Membrane microparticles in VTE and cancer. 2010 , 125 Suppl 2, S80-3	25
1768	The involvement of circulating microparticles in inflammation, coagulation and cardiovascular diseases. 2010 , 26, 140-5	134
1767	Insulin-degrading enzyme sorting in exosomes: a secretory pathway for a key brain amyloid-beta degrading protease. 2010 , 19, 79-95	104
1766	Bench-to-bedside review: circulating microparticles--a new player in sepsis?. 2010 , 14, 236	80
1765	Lipid rafts, pseudotyping, and virus-like particles: relevance of a novel, configurable, and modular antigen-presenting platform. 2011 , 154, 89-110	13
1764	Exosomes and the kidney: prospects for diagnosis and therapy of renal diseases. 2011 , 80, 1138-45	152

1763	The functions of microparticles in preeclampsia. 2011 , 1, 59-65	6
1762	MicroRNAs in body fluids--the mix of hormones and biomarkers. 2011 , 8, 467-77	1074
1761	Exosomes containing glycoprotein 350 released by EBV-transformed B cells selectively target B cells through CD21 and block EBV infection in vitro. 2011 , 186, 73-82	105
1760	Gene Expression Profiling. 2011 ,	3
1759	Macrophages and dendritic cells express tight junction proteins and exchange particles in an in vitro model of the human airway wall. 2011 , 216, 86-95	57
1758	Autonomous versus dendritic cell-dependent contributions of medullary thymic epithelial cells to central tolerance. 2011 , 32, 188-93	47
1757	Increasing vaccine potency through exosome antigen targeting. 2011 , 29, 9361-7	128
1756	Multivesicular bodies in neurons: distribution, protein content, and trafficking functions. 2011 , 93, 313-40	135
1755	Tumour microvesicles contain retrotransposon elements and amplified oncogene sequences. 2011 , 2, 180	765
1754	Exosomes and cancer: a newly described pathway of immune suppression. 2011 , 17, 959-64	212
1753	Immune recognition and rejection of allogeneic skin grafts. 2011 , 3, 757-70	93
1752	Induction of a tumour-specific CTL response by exosomes isolated from heat-treated malignant ascites of gastric cancer patients. 2011 , 27, 604-11	40
1751	Potential of soluble CD26 as a serum marker for colorectal cancer detection. 2011 , 2, 245-61	33
1750	Small interfering RNAs: heralding a new era in gene therapy. 2011 ,	1
1749	Exosomes Decrease In Vitro Infectivity of HIV-1 Preparations: Implication for CD4+T Lymphocyte Depletion In Vivo. 2011 ,	1
1748	Brain Tumor Exosomes and Microvesicles: Pleiotropic Effects from Tiny Cellular Surrogates. 2011 ,	1
1747	Effects of Alpha-Synuclein on Cellular Homeostasis. 2011 ,	
1746	Cell-Derived Microvesicles and Metastasis. 191-198	

1745	Exosome signaling in mammary gland development and cancer. 2011 , 55, 879-87	56
1744	Tumor-derived exosomes confer antigen-specific immunosuppression in a murine delayed-type hypersensitivity model. 2011 , 6, e22517	88
1743	Detachment of breast tumor cells induces rapid secretion of exosomes which subsequently mediate cellular adhesion and spreading. 2011 , 6, e24234	152
1742	Cell-derived vesicles exposing coagulant tissue factor in saliva. 2011 , 117, 3172-80	138
1741	The biology of incipient, pre-invasive or intraepithelial neoplasia. 2010 , 9, 21-39	20
1740	Proteomic analysis of two types of exosomes in human whole saliva. 2011 , 34, 13-23	179
1739	Tumor-derived exosomes as mediators of disease and potential diagnostic biomarkers. 2010 , 8, 281-91	34
1738	Exosomes and retroviruses: the chicken or the egg?. 2011 , 13, 10-7	56
1737	Ectosomes as modulators of inflammation and immunity. 2011 , 163, 26-32	100
1736	Exosomal-like vesicles with immune-modulatory features are present in human plasma and can induce CD4+ T-cell apoptosis in vitro. 2011 , 51, 1002-11	36
1735	Trafficking and proteolytic processing of RNF13, a model PA-TM-RING family endosomal membrane ubiquitin ligase. 2011 , 278, 69-77	9
1734	Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. 2011 , 589, 6119-27	100
1733	CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor immunity. 2011 , 8, 23-30	73
1732	Caspase-3-dependent export of TCTP: a novel pathway for antiapoptotic intercellular communication. 2011 , 18, 549-62	54
1731	The emergence of ADAM10 as a regulator of lymphocyte development and autoimmunity. 2011 , 48, 1319-27	27
1730	The secreted factors responsible for pre-metastatic niche formation: old sayings and new thoughts. 2011 , 21, 139-46	469
1729	Detection of integrin-linked kinase in the serum of patients with malignant pleural mesothelioma. 2011 , 142, 384-9	11
1728	Annexin A6 contributes to the invasiveness of breast carcinoma cells by influencing the organization and localization of functional focal adhesions. 2011 , 317, 823-37	53

1727	Morphologic and proteomic characterization of exosomes released by cultured extravillous trophoblast cells. 2011 , 317, 1192-202	117
1726	Human STEAP3 maintains tumor growth under hypoferric condition. 2011 , 317, 2582-91	21
1725	Loss of EpCAM expression in breast cancer derived serum exosomes: role of proteolytic cleavage. 2011 , 122, 437-46	194
1724	Amphiregulin exosomes increase cancer cell invasion. 2011 , 21, 779-86	266
1723	Exosomes as biomarker treasure chests for prostate cancer. 2011 , 59, 823-31	217
1722	Dissecting the diverse functions of the metastasis suppressor CD82/KAI1. 2011 , 585, 3166-73	58
1721	MicroRNAs as Blood-based Biomarkers of Cancer. 2011 , 499-532	3
1720	Proteolipidic composition of exosomes changes during reticulocyte maturation. 2011 , 286, 34426-39	126
1719	Quantitative nanostructural and single-molecule force spectroscopy biomolecular analysis of human-saliva-derived exosomes. 2011 , 27, 14394-400	137
1718	Isolation of exosomes for subsequent mRNA, MicroRNA, and protein profiling. 2011 , 784, 181-95	76
1717	Proteomic identification of exosomal LRG1: a potential urinary biomarker for detecting NSCLC. 2011 , 32, 1976-83	188
1716	Exosome-loaded dendritic cells elicit tumor-specific CD8+ cytotoxic T cells in patients with glioma. 2011 , 104, 659-67	91
1715	The immune functions of phosphatidylserine in membranes of dying cells and microvesicles. 2011 , 33, 497-516	70
1714	Body fluid derived exosomes as a novel template for clinical diagnostics. 2011 , 9, 86	496
1713	Human saliva, plasma and breast milk exosomes contain RNA: uptake by macrophages. 2011 , 9, 9	593
1712	Advances in membranous vesicle and exosome proteomics improving biological understanding and biomarker discovery. 2011 , 11, 709-20	217
1711	Differential gene expression of soluble CD8+ T-cell mediated suppression of HIV replication in three older children. 2011 , 83, 24-32	7
1710	Haematopoietic stem cell differentiation promotes the release of prominin-1/CD133-containing membrane vesicles--a role of the endocytic-exocytic pathway. 2011 , 3, 398-409	87

1709	The role of membrane vesicles in tumorigenesis. 2011 , 79, 213-23	46
1708	The functions of microparticles in pre-eclampsia. 2011 , 37, 146-52	38
1707	Antileukaemia immunity: effect of exosomes against NB4 acute promyelocytic leukaemia cells. 2011 , 39, 740-7	32
1706	Biogenesis of the posterior pole is mediated by the exosome/microvesicle protein-sorting pathway. 2011 , 286, 44162-44176	66
1705	Protein targeting to exosomes/microvesicles by plasma membrane anchors. 2011 , 286, 14383-95	198
1704	Vacuolar transport in tobacco leaf epidermis cells involves a single route for soluble cargo and multiple routes for membrane cargo. 2011 , 23, 3007-25	69
1703	The roles of tumor-derived exosomes in cancer pathogenesis. 2011 , 2011, 842849	210
1702	Natural killer (NK)-dendritic cell interactions generate MHC class II-dressed NK cells that regulate CD4+ T cells. 2011 , 108, 18360-5	72
1701	Exosomes in the ascites of ovarian cancer patients: origin and effects on anti-tumor immunity. 2011 , 25, 749-62	127
1700	The role of microvesicles in tissue repair. 2011 , 7, 105-15	88
1699	Exosomal evasion of humoral immunotherapy in aggressive B-cell lymphoma modulated by ATP-binding cassette transporter A3. 2011 , 108, 15336-41	240
1698	Identification of an inhibitory budding signal that blocks the release of HIV particles and exosome/microvesicle proteins. 2011 , 22, 817-30	52
1697	Introduction of the CIITA gene into tumor cells produces exosomes with enhanced anti-tumor effects. 2011 , 43, 281-90	50
1696	Lipid raft endocytosis and exosomal transport facilitate extracellular trafficking of annexin A2. 2011 , 286, 30911-30925	134
1695	T-cadherin is present on endothelial microparticles and is elevated in plasma in early atherosclerosis. 2011 , 32, 760-71	37
1694	Exosomes: vehicles for the transfer of toxic proteins associated with neurodegenerative diseases?. 2012 , 3, 124	275
1693	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. 2012 , 10, e1001450	800
1692	Expression of PTRF in PC-3 Cells modulates cholesterol dynamics and the actin cytoskeleton impacting secretion pathways. 2012 , 11, M111.012245	50

1691	Plasmacytoid dendritic cells sequester high prion titres at early stages of prion infection. 2012 , 8, e1002538	37
1690	Emerging role of neuronal exosomes in the central nervous system. 2012 , 3, 145	153
1689	ARF6-mediated endosomal transport of Telencephalin affects dendritic filopodia-to-spine maturation. 2012 , 31, 3252-69	37
1688	Physical characterization of mouse deep vein thrombosis derived microparticles by differential filtration with nanopore filters. 2011 , 2, 1-15	7
1687	MicroRNAs in Postischemic Vascular Repair. 2012 , 2012, 486702	28
1686	Lipid-based carriers of microRNAs and intercellular communication. 2012 , 23, 91-7	238
1685	Characterization of membrane-shed microvesicles from cytokine-stimulated E-cells using proteomics strategies. 2012 , 11, 230-43	84
1684	Small RNA deep sequencing reveals a distinct miRNA signature released in exosomes from prion-infected neuronal cells. 2012 , 40, 10937-49	327
1683	Highlights from this issue. 2012 , 61, i-i	
1682	Separate mechanisms act concurrently to shed and release the prion protein from the cell. 2012 , 6, 498-509	27
1681	Pathogenetic aspects of humoral autoimmunity in Sjögren's syndrome. 2012 , 21, 1151-4	8
1680	Supernatants derived from chemotherapy-treated cancer cell lines can modify angiogenesis. 2012 , 106, 896-903	7
1679	Prion-infected cells regulate the release of exosomes with distinct ultrastructural features. 2012 , 26, 4160-73	114
1678	Sphingolipid-modulated exosome secretion promotes clearance of amyloid- β by microglia. 2012 , 287, 10977-89	362
1677	Cancer cell-derived supernatants that support the carcinogenic process: a future cancer therapy target?. 2012 , 8, 767-9	2
1676	Suppression of inflammation by tumor-derived exosomes: a kind of natural liposome packaged with multifunctional proteins. 2012 , 22, 346-52	12
1675	Immunosuppressive exosomes: a new approach for treating arthritis. 2012 , 2012, 573528	59
1674	Application of proteomics to soft tissue sarcomas. 2012 , 2012, 876401	3

1673	Formation and release of arrestin domain-containing protein 1-mediated microvesicles (ARMMs) at plasma membrane by recruitment of TSG101 protein. 2012 , 109, 4146-51	395
1672	The exosome secretory pathway transports amyloid precursor protein carboxyl-terminal fragments from the cell into the brain extracellular space. 2012 , 287, 43108-15	242
1671	Current advances in vehicles for brain gene delivery. 2012 , 12, 423-36	9
1670	Liver extracellular vesicles in health and disease. 2012 , 1,	42
1669	Microvesicles/exosomes as potential novel biomarkers of metabolic diseases. 2012 , 5, 247-82	116
1668	ExoCarta as a resource for exosomal research. 2012 , 1,	240
1667	Comparison of methods for isolating exosomes from bovine milk. 2012 , 74, 1523-5	104
1666	Cellular stress conditions are reflected in the protein and RNA content of endothelial cell-derived exosomes. 2012 , 1,	392
1665	Profiling of circulating microRNAs: from single biomarkers to re-wired networks. 2012 , 93, 555-62	185
1664	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. 2012 , 18, 1835-40	521
1663	Vesicles as carriers of virulence factors in parasitic protozoan diseases. 2012 , 14, 1465-74	62
1662	A label-free electrical detection of exosomal microRNAs using microelectrode array. 2012 , 48, 11942-4	51
1661	Cell-to-cell miRNA transfer: from body homeostasis to therapy. 2012 , 136, 169-74	130
1660	P2X7 receptor regulation of non-classical secretion from immune effector cells. 2012 , 14, 1697-706	130
1659	Identification of a novel motif that affects the conformation and activity of the MARCH1 E3 ubiquitin ligase. 2013 , 126, 989-98	9
1658	FOXO3a and E-catenin co-localization: double trouble in colon cancer?. 2012 , 18, 854-6	11
1657	The endogenous retroviral envelope protein syncytin-1 inhibits LPS/PHA-stimulated cytokine responses in human blood and is sorted into placental exosomes. 2012 , 33, 933-41	84
1656	Exosomes mediate the cytoprotective action of mesenchymal stromal cells on hypoxia-induced pulmonary hypertension. 2012 , 126, 2601-11	574

1655	Purification and in vitro analysis of exosomes secreted by malignantly transformed human cells. 2012 , 6, 317-325	7
1654	Quantitative proteome profiling of normal human circulating microparticles. 2012 , 11, 2154-63	45
1653	Intercellular cytosolic transfer correlates with mesenchymal stromal cell rescue of umbilical cord blood cell viability during ex vivo expansion. 2012 , 14, 1064-79	11
1652	Analysis of urinary microRNAs in chronic kidney disease. 2012 , 40, 875-9	35
1651	Exosomes and immune surveillance of neoplastic lesions: a review. 2012 , 87, 161-8	47
1650	The protein interaction network of extracellular vesicles derived from human colorectal cancer cells. 2012 , 11, 1144-51	58
1649	HMGB1, an alarmin promoting HIV dissemination and latency in dendritic cells. 2012 , 19, 96-106	42
1648	Melanoma exosomes educate bone marrow progenitor cells toward a pro-metastatic phenotype through MET. 2012 , 18, 883-91	2530
1647	Immune surveillance properties of human NK cell-derived exosomes. 2012 , 189, 2833-42	260
1646	Exosomes and microvesicles: extracellular vesicles for genetic information transfer and gene therapy. 2012 , 21, R125-34	632
1645	Exosomes as biomarker enriched microvesicles: characterization of exosomal proteins derived from a panel of prostate cell lines with distinct AR phenotypes. 2012 , 11, 863-85	164
1644	Syndecan-syntenin-ALIX regulates the biogenesis of exosomes. 2012 , 14, 677-85	1043
1643	Microvesicles shed by oligodendrogloma cells and rheumatoid synovial fibroblasts contain aggrecanase activity. 2012 , 31, 229-33	50
1642	Pathogenesis of Sjögren's syndrome: what we know and what we should learn. 2012 , 39, 4-8	157
1641	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012 , 1820, 940-8	1295
1640	The role of mRNA translation in direct MHC class I antigen presentation. 2012 , 24, 71-6	18
1639	Hepatic cell-to-cell transmission of small silencing RNA can extend the therapeutic reach of RNA interference (RNAi). 2012 , 61, 1330-9	133
1638	Hypoxic enhancement of exosome release by breast cancer cells. 2012 , 12, 421	645

1637	Circulating microRNAs as noninvasive biomarkers in breast cancer. 2012 , 195, 151-61	61
1636	Liposomes and Other Nanoparticles as Cancer Vaccines and Immunotherapeutics. 2012 , 135-178	1
1635	Trial watch: Dendritic cell-based interventions for cancer therapy. 2012 , 1, 1111-1134	134
1634	Profiling of microRNAs in exosomes released from PC-3 prostate cancer cells. 2012 , 1819, 1154-63	117
1633	Extracellular miRNAs: the mystery of their origin and function. 2012 , 37, 460-5	370
1632	Immunomodulatory molecules are released from the first trimester and term placenta via exosomes. 2012 , 33, 982-90	113
1631	Autoantibodies in Sjögren's syndrome: clinical presentation and regulatory mechanisms. 2012 , 41, e451-60	41
1630	Gliomas and seizures. 2012 , 79, 622-6	13
1629	Membrane transfer from oocyte to sperm occurs in two CD9-independent ways that do not supply the fertilising ability of Cd9-deleted oocytes. 2012 , 144, 53-66	35
1628	Exosomal lipids impact notch signaling and induce death of human pancreatic tumoral SOJ-6 cells. 2012 , 7, e47480	56
1627	Proteomic analysis of microvesicles derived from human mesenchymal stem cells. 2012 , 11, 839-49	295
1626	Microvesicle-associated AAV vector as a novel gene delivery system. 2012 , 20, 960-71	188
1625	Minimal Residual Disease and Circulating Tumor Cells in Breast Cancer. 2012 ,	5
1624	Microfluidic filtration system to isolate extracellular vesicles from blood. 2012 , 12, 5202-10	252
1623	Exosomal cell-to-cell transmission of alpha synuclein oligomers. 2012 , 7, 42	545
1622	Plasma specific miRNAs as predictive biomarkers for diagnosis and prognosis of glioma. 2012 , 31, 97	130
1621	Therapeutic effects of autologous tumor-derived nanovesicles on melanoma growth and metastasis. 2012 , 7, e33330	41
1620	Biochemical and physical characterisation of urinary nanovesicles following CHAPS treatment. 2012 , 7, e37279	58

1619	Lysosomal fusion dysfunction as a unifying hypothesis for Alzheimer's disease pathology. 2012 , 2012, 752894	32
1618	The genomic and proteomic content of cancer cell-derived exosomes. 2012 , 2, 38	114
1617	Microparticles and Exosomes: Are They Part of Important Pathways in Sepsis Pathophysiology?. 2012 ,	
1616	Multidimensional Proteomics for the Identification of Endothelial Post Mortem Signals of Importance in Vascular Remodeling. 2012 ,	
1615	Identification and proteomic profiling of exosomes in human cerebrospinal fluid. 2012 , 10, 5	315
1614	Proteomic analysis of urine exosomes by multidimensional protein identification technology (MudPIT). 2012 , 12, 329-38	128
1613	Horizontal transfer of RNAs: exosomes as mediators of intercellular communication. 2012 , 3, 286-93	128
1612	Prostasomes are heterogeneous regarding size and appearance but affiliated to one DNA-containing exosome family. 2012 , 72, 1736-45	54
1611	Nanoparticle-induced exosomes target antigen-presenting cells to initiate Th1-type immune activation. 2012 , 8, 2841-8	56
1610	Anticancer drugs cause release of exosomes with heat shock proteins from human hepatocellular carcinoma cells that elicit effective natural killer cell antitumor responses in vitro. 2012 , 287, 15874-85	304
1609	Formation of liposomes using a 3D flow focusing microfluidic device with spatially patterned wettability by corona discharge. 2012 , 22, 055003	47
1608	Detection of highly curved membrane surfaces using a cyclic peptide derived from synaptotagmin-I. 2012 , 7, 1629-35	30
1607	Restoration of full-length APC protein in SW480 colon cancer cells induces exosome-mediated secretion of DKK-4. 2012 , 33, 1873-80	32
1606	Melanoma exosomes: messengers of metastasis. 2012 , 18, 853-4	39
1605	Role of myeloid-derived suppressor cells in tumor immunotherapy. 2012 , 4, 43-57	27
1604	Tumor microenvironment complexity: emerging roles in cancer therapy. 2012 , 72, 2473-80	371
1603	Exogenous plant MIR168a specifically targets mammalian LDLRAP1: evidence of cross-kingdom regulation by microRNA. 2012 , 22, 107-26	695
1602	Exosome removal as a therapeutic adjuvant in cancer. 2012 , 10, 134	252

1601	Is there a clinical future for polymeric nanoparticles as brain-targeting drug delivery agents?. 2012 , 17, 367-78	76
1600	Secreted heat shock protein-90 (Hsp90) in wound healing and cancer. 2012 , 1823, 730-41	128
1599	A membrane vesicle-based dual vaccine against melanoma and Lewis lung carcinoma. 2012 , 33, 6147-54	33
1598	Bovine milk exosome proteome. 2012 , 75, 1486-92	160
1597	Secreted microRNAs: a new form of intercellular communication. 2012 , 22, 125-32	554
1596	Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery. 2012 , 161, 635-44	290
1595	Role of exosomes released by chronic myelogenous leukemia cells in angiogenesis. 2012 , 130, 2033-43	143
1594	Circulating microRNAs: a novel class of biomarkers to diagnose and monitor human cancers. 2012 , 32, 326-48	355
1593	Horizontal transfer of microRNAs: molecular mechanisms and clinical applications. 2012 , 3, 28-37	198
1592	Exosomes released by K562 chronic myeloid leukemia cells promote angiogenesis in a Src-dependent fashion. 2012 , 15, 33-45	204
1591	Frontiers in preclinical safety biomarkers: microRNAs and messenger RNAs. 2013 , 41, 18-31	30
1590	Method for isolation and molecular characterization of extracellular microvesicles released from brain endothelial cells. 2013 , 10, 4	135
1589	Nature et signification des microparticules dans le sepsis. 2013 , 22, 343-351	
1588	Extracellular microRNAs in urologic malignancies: chances and challenges. 2013 , 14, 14785-99	87
1587	Biochemical and biological characterization of exosomes containing prominin-1/CD133. 2013 , 12, 62	83
1586	Recent advances in cardiovascular proteomics. 2013 , 81, 3-14	25
1585	Probing cell-cell communication with microfluidic devices. 2013 , 13, 3152-62	55
1584	Clinical impact of serum exosomal microRNA-21 as a clinical biomarker in human esophageal squamous cell carcinoma. 2013 , 119, 1159-67	320

1583	Circulating microparticles: square the circle. 2013 , 14, 23	165
1582	Characterization of human plasma-derived exosomal RNAs by deep sequencing. 2013 , 14, 319	662
1581	Exosomes: vesicular carriers for intercellular communication in neurodegenerative disorders. 2013 , 352, 33-47	216
1580	Silencing of human papillomavirus (HPV) E6/E7 oncogene expression affects both the contents and the amounts of extracellular microvesicles released from HPV-positive cancer cells. 2013 , 133, 1631-42	69
1579	Tumor cell-derived exosome-targeted dendritic cells stimulate stronger CD8+ CTL responses and antitumor immunities. 2013 , 436, 60-5	49
1578	Liposome-like Nanostructures for Drug Delivery. 2013 , 1,	127
1577	Exosomes as a novel way of interneuronal communication. 2013 , 41, 241-4	87
1576	Body fluid exosomes promote secretion of inflammatory cytokines in monocytic cells via Toll-like receptor signaling. 2013 , 288, 36691-702	167
1575	Exosome release from infected dendritic cells: a clue for a fast spread of prions in the periphery?. 2013 , 67, 359-68	20
1574	Natural CD8+25+ regulatory T cell-secreted exosomes capable of suppressing cytotoxic T lymphocyte-mediated immunity against B16 melanoma. 2013 , 438, 152-5	56
1573	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. 2013 , 13, 1672-86	255
1572	Comparative proteomics evaluation of plasma exosome isolation techniques and assessment of the stability of exosomes in normal human blood plasma. 2013 , 13, 3354-64	397
1571	Intercellular transport of microRNAs. 2013 , 33, 186-92	278
1570	Exosomes from retinal astrocytes contain antiangiogenic components that inhibit laser-induced choroidal neovascularization. 2013 , 288, 28058-67	81
1569	Membrane vesicles nucleate mineralo-organic nanoparticles and induce carbonate apatite precipitation in human body fluids. 2013 , 288, 30571-30584	26
1568	Exosomes with membrane-associated TGF- β 1 from gene-modified dendritic cells inhibit murine EAE independently of MHC restriction. 2013 , 43, 2461-72	59
1567	Detection of extracellular RNAs in cancer and viral infection via tethered cationic lipoplex nanoparticles containing molecular beacons. 2013 , 85, 11265-74	43
1566	Adrenergic regulation of IgE involves modulation of CD23 and ADAM10 expression on exosomes. 2013 , 191, 5383-97	19

1565	Neurodegenerative Diseases: Integrative PPPM Approach as the Medicine of the Future. 2013 ,	3
1564	Exosome-mediated transmission of hepatitis C virus between human hepatoma Huh7.5 cells. 2013 , 110, 13109-13	330
1563	MHC class II antigen presentation by dendritic cells regulated through endosomal sorting. 2013 , 5, a016873	85
1562	MicroRNA-containing microvesicles regulating inflammation in association with atherosclerotic disease. 2013 , 100, 7-18	246
1561	The cell biology of prion-like spread of protein aggregates: mechanisms and implication in neurodegeneration. 2013 , 452, 1-17	116
1560	Ongoing activation of sphingosine 1-phosphate receptors mediates maturation of exosomal multivesicular endosomes. 2013 , 4, 2712	182
1559	Identification and characterization of proteins isolated from microvesicles derived from human lung cancer pleural effusions. 2013 , 13, 2125-34	66
1558	Serum exosomes in pregnancy-associated immune modulation and neuroprotection during CNS autoimmunity. 2013 , 149, 236-43	35
1557	Synthetic nucleic acids delivered by exosomes: a potential therapeutic for generelated metabolic brain diseases. 2013 , 28, 551-62	22
1556	Placental disease and the maternal syndrome of preeclampsia: missing links?. 2013 , 15, 590-9	51
1555	Exosome as a novel shuttle for innovation. Preface. 2013 , 65, v	5
1554	Reciprocal interactions between endothelial cells and macrophages in angiogenic vascular niches. 2013 , 319, 1626-34	71
1553	Renal carcinoma cell-derived exosomes induce human immortalized line of Jurkat T lymphocyte apoptosis in vitro. 2013 , 91, 363-9	26
1552	miR-21-containing microvesicles from injured tubular epithelial cells promote tubular phenotype transition by targeting PTEN protein. 2013 , 183, 1183-1196	58
1551	Current methods for the isolation of extracellular vesicles. 2013 , 394, 1253-62	367
1550	Characterization of multiple myeloma vesicles by label-free relative quantitation. 2013 , 13, 3013-29	28
1549	Circulating MicroRNAs as Cellular Messengers. 2013 , 589-605	
1548	Cardiac myocyte exosomes: stability, HSP60, and proteomics. 2013 , 304, H954-65	158

1547	Role of <i>Pseudomonas aeruginosa</i> peptidoglycan-associated outer membrane proteins in vesicle formation. 2013 , 195, 213-9	76
1546	RNA trafficking by acute myelogenous leukemia exosomes. 2013 , 73, 918-29	178
1545	Cardiac stem cell therapy to modulate inflammation upon myocardial infarction. 2013 , 1830, 2449-58	72
1544	The Application of MicroRNAs in Cancer Diagnostics. 2013 , 259-298	1
1543	Exosomes as nano-theranostic delivery platforms for gene therapy. 2013 , 65, 357-67	166
1542	The Effects of Exosomes and Related Vesicles on Cancer Development, Progression, and Dissemination. 2013 , 107-129	
1541	Extracellular vesicles in physiological and pathological conditions. 2013 , 27, 31-9	316
1540	RAFTsomes containing epitope-MHC-II complexes mediated CD4+ T cell activation and antigen-specific immune responses. 2013 , 30, 60-9	29
1539	Mesenchymal Stem Cell Therapy. 2013 ,	4
1538	The glycolytic enzyme aldolase C is up-regulated in rat forebrain microsomes and in the cerebrospinal fluid after repetitive fluoxetine treatment. 2013 , 1520, 1-14	14
1537	Tumor-derived exosomes and microvesicles in head and neck cancer: implications for tumor biology and biomarker discovery. 2013 , 13, 1608-23	91
1536	Tetraspanin-3 regulates protective immunity against <i>Eimeria tenella</i> infection following immunization with dendritic cell-derived exosomes. 2013 , 31, 4668-74	9
1535	Wnt interaction and extracellular release of prominin-1/CD133 in human malignant melanoma cells. 2013 , 319, 810-9	40
1534	Dendritic cell-derived exosomes need to activate both T and B cells to induce antitumor immunity. 2013 , 190, 2712-9	122
1533	Virus-modified exosomes for targeted RNA delivery; a new approach in nanomedicine. 2013 , 65, 348-56	93
1532	Contribution of proteomics to understanding the role of tumor-derived exosomes in cancer progression: state of the art and new perspectives. 2013 , 13, 1581-94	68
1531	Cross-Talk Between MSCs and Their Environments. 2013 , 169-192	
1530	Microvesiculation and disease. 2013 , 41, 237-40	8

1529	The therapeutic potential of mesenchymal stem cell-derived extracellular vesicles. 2013 , 13, 1637-53	270
1528	MicroRNAs as potential biomarkers in human solid tumors. 2013 , 329, 125-36	190
1527	Biogenesis of extracellular vesicles (EV): exosomes, microvesicles, retrovirus-like vesicles, and apoptotic bodies. 2013 , 113, 1-11	735
1526	The role of exosomes and microRNAs in senescence and aging. 2013 , 65, 368-75	93
1525	Extracellular Hsp90 (eHsp90) as the actual target in clinical trials: intentionally or unintentionally. 2013 , 303, 203-35	50
1524	Contribution of cells undergoing epithelial-mesenchymal transition to the tumour microenvironment. 2013 , 78, 545-57	37
1523	Regulation of miRNA biogenesis and turnover in the immune system. 2013 , 253, 304-16	61
1522	Mesenchymal Stem Cell Exosomes: The Future MSC-Based Therapy?. 2013 , 39-61	25
1521	Are extracellular microRNAs involved in type 2 diabetes and related pathologies?. 2013 , 46, 937-45	37
1520	Characterization and proteomic analysis of ovarian cancer-derived exosomes. 2013 , 80, 171-82	202
1519	Differential protein profiling of renal cell carcinoma urinary exosomes. 2013 , 9, 1220-33	114
1518	The cardiovascular exosome: current perspectives and potential. 2013 , 13, 1654-9	42
1517	How stem cells speak with host immune cells in inflammatory brain diseases. 2013 , 61, 1379-401	96
1516	Novel aspects of tRNA-derived small RNAs with potential impact in infectious diseases. 2013 , 04, 17-25	8
1515	Methods of analysis of dendritic cell-derived exosome-shuttle microRNA and its horizontal propagation between dendritic cells. 2013 , 1024, 19-40	22
1514	Proteomic footprints of a member of Glossinavirus (Hytrosaviridae): an expeditious approach to virus control strategies in tsetse factories. 2013 , 112 Suppl, S26-31	2
1513	CD73 expression on extracellular vesicles derived from CD4+ CD25+ Foxp3+ T cells contributes to their regulatory function. 2013 , 43, 2430-40	143
1512	Trojan horse at cellular level for tumor gene therapies. 2013 , 525, 208-16	32

1511	MicroRNA: function, detection, and bioanalysis. 2013 , 113, 6207-33	780
1510	Tetraspanins as Facilitators of Viral and Cellular Information Transfer. 2013 , 387-402	
1509	Vaccination as a Control Measure. 2013 , 113-141	
1508	Elevated concentration of microvesicles isolated from peripheral blood in breast cancer patients. 2013 , 44, 208-14	93
1507	Exosomes of BV-2 cells induced by alpha-synuclein: important mediator of neurodegeneration in PD. 2013 , 548, 190-5	94
1506	An Update on CSF Biomarkers of Parkinson's Disease. 2013 , 161-184	4
1505	The unconventional secretion of stress-inducible protein 1 by a heterogeneous population of extracellular vesicles. 2013 , 70, 3211-27	43
1504	Mesenchymal stem cell: an efficient mass producer of exosomes for drug delivery. 2013 , 65, 336-41	478
1503	Extracellular vesicles: communication, coercion, and conditioning. 2013 , 24, 1253-9	66
1502	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. 2013 , 319, 2113-2123	80
1501	Proteolytic factors in exosomes. 2013 , 13, 1624-36	72
1500	Ciliated micropillars for the microfluidic-based isolation of nanoscale lipid vesicles. 2013 , 13, 2879-82	224
1499	Tumor-derived microvesicles: the metastasomes. 2013 , 80, 75-82	19
1498	Exosomes neutralize synaptic-plasticity-disrupting activity of A β assemblies in vivo. 2013 , 6, 47	119
1497	Extracellular vesicles in chronic lymphocytic leukemia. 2013 , 54, 1826-30	12
1496	Heparin blocks transfer of extracellular vesicles between donor and recipient cells. 2013 , 115, 343-51	122
1495	Proteomic analysis of exosomes from mutant KRAS colon cancer cells identifies intercellular transfer of mutant KRAS. 2013 , 12, 343-55	355
1494	Immunostimulatory activity of murine keratinocyte-derived exosomes. 2013 , 22, 650-5	23

1493	Recovery of urinary nanovesicles from ultracentrifugation supernatants. 2013 , 28, 1425-33	33
1492	Immune modulation of T-cell and NK (natural killer) cell activities by TEXs (tumour-derived exosomes). 2013 , 41, 245-51	259
1491	Annexin A2 heterotetramer: structure and function. 2013 , 14, 6259-305	171
1490	The complete exosome workflow solution: from isolation to characterization of RNA cargo. 2013 , 2013, 253957	124
1489	Exosomes in prostate cancer: putting together the pieces of a puzzle. 2013 , 5, 1522-44	58
1488	The present and future of prostate cancer urine biomarkers. 2013 , 14, 12620-49	39
1487	Systemically circulating viral and tumor-derived microRNAs in KSHV-associated malignancies. 2013 , 9, e1003484	112
1486	Emerging Concepts of Tumor Exosome-Mediated Cell-Cell Communication. 2013 ,	5
1485	Identification of protein complex associated with LYT1 of Trypanosoma cruzi. 2013 , 2013, 493525	2
1484	Interactions of human monocytes with TMVs (tumour-derived microvesicles). 2013 , 41, 268-72	2
1483	Tetraspanins. 2013 ,	10
1482	Intercellular communication by exosome-derived microRNAs in cancer. 2013 , 14, 14240-69	336
1481	Synergistic induction of adaptive antitumor immunity by codelivery of antigen with β -galactosylceramide on exosomes. 2013 , 73, 3865-76	87
1480	Small RNA transcriptomes of two types of exosomes in human whole saliva determined by next generation sequencing. 2013 , 36, 66-75	112
1479	Soluble ligands for NK cell receptors promote evasion of chronic lymphocytic leukemia cells from NK cell anti-tumor activity. 2013 , 121, 3658-65	146
1478	[Exosomes are carriers for immunostimulatory viral RNA]. 2013 , 29, 104-6	0
1477	Plasma microRNA, a potential biomarker for acute rejection after liver transplantation. 2013 , 95, 991-9	55
1476	Exosomal Proteome Profiling: A Potential Multi-Marker Cellular Phenotyping Tool to Characterize Hypoxia-Induced Radiation Resistance in Breast Cancer. 2013 , 1, 87-108	39

1475	Non-coding RNAs in hepatitis C-induced hepatocellular carcinoma: dysregulation and implications for early detection, diagnosis and therapy. 2013 , 19, 7836-45	27
1474	Circulating miRNAs: cell-cell communication function?. 2013 , 4, 119	259
1473	Exosome: A Novel and Safer Therapeutic Refinement of Mesenchymal Stem Cell. 2013 , 1	23
1472	Tumour Cells Incorporate Exosomes Derived from Dendritic Cells Through a Mechanism Involving the Tetraspanin CD9. 2013 , 1	3
1471	Intestinal Transmission of Prions and Role of Exosomes in Enterocytes. 2013 , 1, 2013005-2013005	2
1470	Osteoprotegerin in exosome-like vesicles from human cultured tubular cells and urine. 2013 , 8, e72387	40
1469	MicroRNA and protein profiling of brain metastasis competent cell-derived exosomes. 2013 , 8, e73790	92
1468	Cell Infectivity in relation to bovine leukemia virus gp51 and p24 in bovine milk exosomes. 2013 , 8, e77359	15
1467	Expression and secretion of plasma membrane Ca ²⁺ -ATPase 4a (PMCA4a) during murine estrus: association with oviductal exosomes and uptake in sperm. 2013 , 8, e80181	100
1466	The Roles of Epithelial-to-Mesenchymal Transition (EMT) and Mesenchymal-to-Epithelial Transition (MET) in Breast Cancer Bone Metastasis: Potential Targets for Prevention and Treatment. 2013 , 2, 264-82	56
1465	Lamarckian evolution explains human brain evolution and psychiatric disorders. 2013 , 7, 224	13
1464	Impact of Microenvironment in Therapy-Induced Neovascularization of Glioblastoma. 2013 , 02,	4
1463	Isolation and characterization of CD34+ blast-derived exosomes in acute myeloid leukemia. 2014 , 9, e103310	121
1462	Isolation of urinary extracellular vesicles from Tamm- Horsfall protein-depleted urine and their application in the development of a lectin-exosome-binding assay. 2014 , 57, 143-9	45
1461	Proteomic analysis of C2C12 myoblast and myotube exosome-like vesicles: a new paradigm for myoblast-myotube cross talk?. 2014 , 9, e84153	95
1460	Development of glomerulus-, tubule-, and collecting duct-specific mRNA assay in human urinary exosomes and microvesicles. 2014 , 9, e109074	26
1459	[Tumor microenvironment and therapeutic resistance process]. 2014 , 30, 445-51	11
1458	Expression of serum exosomal microRNA-21 in human hepatocellular carcinoma. 2014 , 2014, 864894	172

1457	Exosomes/miRNAs as mediating cell-based therapy of stroke. 2014 , 8, 377	197
1456	MicroRNAs as lung cancer biomarkers. 2014 , 5, 604-20	66
1455	Role of Blood Sampling in Assessment of Concentration of Extracellular Nanovesicles in Isolates from Peripheral Blood. 2014 , 19, 175-189	1
1454	Prostatic acid phosphatase is the main acid phosphatase with 5'-ectonucleotidase activity in the male mouse saliva and regulates salivation. 2014 , 306, C1017-27	12
1453	Transcriptomics in Health and Disease. 2014 ,	0
1452	Exosomes Biogenesis and Potentials in Disease Diagnosis and Drug Delivery. 2014 , 04, 1441017	5
1451	Tumor-derived exosomes: A message delivery system for tumor progression. 2014 , 7, e28231	77
1450	Glioma diagnostics and biomarkers: an ongoing challenge in the field of medicine and science. 2014 , 14, 439-52	63
1449	Chicken biliary exosomes enhance CD4(+)T proliferation and inhibit ALV-J replication in liver. 2014 , 92, 145-51	15
1448	Investigation of soluble and transmembrane CTLA-4 isoforms in serum and microvesicles. 2014 , 193, 889-900	23
1447	Proteomic analysis of human placental syncytiotrophoblast microvesicles in preeclampsia. 2014 , 11, 40	64
1446	Local tumour hyperthermia as immunotherapy for metastatic cancer. 2014 , 30, 531-9	186
1445	microRNAs in the tumor microenvironment: solving the riddle for a better diagnostics. 2014 , 14, 565-74	42
1444	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. 2014 , 13, 78-89	116
1443	Extracellular vesicles: potential roles in regenerative medicine. 2014 , 5, 608	212
1442	Extracellular vesicles from Leishmania-infected macrophages confer an anti-infection cytokine-production profile to naïve macrophages. 2014 , 8, e3161	32
1441	Exosomes from hepatitis C infected patients transmit HCV infection and contain replication competent viral RNA in complex with Ago2-miR122-HSP90. 2014 , 10, e1004424	264
1440	Regulation of HIV-Gag expression and targeting to the endolysosomal/secretory pathway by the luminal domain of lysosomal-associated membrane protein (LAMP-1) enhance Gag-specific immune response. 2014 , 9, e99887	8

1439	Ecto-nucleotidases activities in the contents of ovarian endometriomas: potential biomarkers of endometriosis. 2014 , 2014, 120673	11
1438	HIV-1 capture and transmission by dendritic cells: the role of viral glycolipids and the cellular receptor Siglec-1. 2014 , 10, e1004146	71
1437	Exosomes Derived from Breast Cancer Cells, Small Trojan Horses?. 2014 , 19, 303-13	16
1436	Increased exosomal microRNA-21 and microRNA-146a levels in the cervicovaginal lavage specimens of patients with cervical cancer. 2014 , 15, 758-73	104
1435	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327	31
1434	More efficient induction of antitumor T cell immunity by exosomes from CD40L gene-modified lung tumor cells. 2014 , 9, 125-31	45
1433	Detecting exosomes specifically: a multiplexed device based on alternating current electrohydrodynamic induced nanoshearing. 2014 , 86, 11125-32	166
1432	Cell-free microRNAs as cancer biomarkers: the odyssey of miRNAs through body fluids. 2014 , 31, 295	34
1431	Secretory function of autophagy in innate immune cells. 2014 , 16, 1637-45	17
1430	Why is melanoma so metastatic?. 2014 , 27, 19-36	69
1429	Free-flow electrophoresis in proteome sample preparation. 2014 , 14, 629-36	27
1428	Circulating microRNAs in cardiovascular diseases: from biomarkers to therapeutic targets. 2014 , 8, 404-18	26
1427	Gold nanoparticles for photothermally controlled drug release. 2014 , 9, 2023-39	32
1426	Evaluation of desialylation effect on zeta potential of extracellular vesicles secreted from human prostate cancer cells by on-chip microcapillary electrophoresis. 2014 , 53, 06JL01	43
1425	MicroRNA in exosomes isolated directly from the liver circulation in patients with metastatic uveal melanoma. 2014 , 14, 962	65
1424	Regulatory T cell-derived exosomes: possible therapeutic and diagnostic tools in transplantation. 2014 , 5, 555	46
1423	Omics Approaches in Breast Cancer. 2014 ,	8
1422	Plasma exosomes as markers of therapeutic response in patients with acute myeloid leukemia. 2014 , 5, 160	141

1421	Saliva diagnostics: utilizing oral fluids to determine health status. 2014 , 24, 88-98	76
1420	Cancer Immunoediting: Elimination, Equilibrium, and Immune Escape in Solid Tumors. 2014 , 143-205	2
1419	Hyaluronan-coated extracellular vesicles--a novel link between hyaluronan and cancer. 2014 , 123, 121-48	55
1418	Oncogenic KIT-containing exosomes increase gastrointestinal stromal tumor cell invasion. 2014 , 111, 711-6	124
1417	Tolerance in organ transplantation: from conventional immunosuppression to extracellular vesicles. 2014 , 5, 416	30
1416	MicroRNAs Control Macrophage Formation and Activation: The Inflammatory Link between Obesity and Cardiovascular Diseases. 2014 , 3, 702-12	19
1415	Exosomes in the gut. 2014 , 5, 104	25
1414	The endocytic receptor megalin and its associated proteins in proximal tubule epithelial cells. 2014 , 4, 333-55	63
1413	Functions and therapeutic roles of exosomes in cancer. 2014 , 4, 127	172
1412	Extracellular vesicle profiling and their use as potential disease specific biomarker. 2014 , 5, 413	49
1411	Placenta-derived exosomes continuously increase in maternal circulation over the first trimester of pregnancy. 2014 , 12, 204	214
1410	MicroRNAs as biomarkers in pituitary tumors. 2014 , 75, 181-9; discussion 188-9	33
1409	Activity-associated miRNA are packaged in Map1b-enriched exosomes released from depolarized neurons. 2014 , 42, 9195-208	175
1408	Exosome poly-ubiquitin inhibits platelet activation, downregulates CD36 and inhibits pro-atherothrombotic cellular functions. 2014 , 12, 1906-17	57
1407	Cancer exosomes and NKG2D receptor-ligand interactions: impairing NKG2D-mediated cytotoxicity and anti-tumour immune surveillance. 2014 , 28, 24-30	84
1406	Exosomes: a new weapon to treat the central nervous system. 2014 , 49, 113-9	39
1405	Microparticles mediated cross-talk between tumoral and endothelial cells promote the constitution of a pro-metastatic vascular niche through Arf6 up regulation. 2014 , 7, 41-59	42
1404	Integrating new discoveries into the "vicious cycle" paradigm of prostate to bone metastases. 2014 , 33, 511-25	58

1403	Small but mighty: microparticles as mediators of tumor progression. 2014 , 7, 11-21	25
1402	Small molecule with big role: MicroRNAs in cancer metastatic microenvironments. 2014 , 344, 147-56	34
1401	A small noncoding RNA signature found in exosomes of GBM patient serum as a diagnostic tool. 2014 , 16, 520-7	236
1400	Exosomes: an overview of biogenesis, composition and role in ovarian cancer. 2014 , 7, 14	137
1399	Profiling of circulating microRNAs for prostate cancer biomarker discovery. 2014 , 4, 19-30	70
1398	Paper-based immunoaffinity devices for accessible isolation and characterization of extracellular vesicles. 2014 , 16, 849-856	23
1397	Ovarian cancer cell invasiveness is associated with discordant exosomal sequestration of Let-7 miRNA and miR-200. 2014 , 12, 4	139
1396	Regulation of immune responses by extracellular vesicles. <i>Nature Reviews Immunology</i> , 2014 , 14, 195-208	1294
1395	Microvesicle-mediated delivery of transforming growth factor β 1 miRNA for the suppression of tumor growth in mice. 2014 , 35, 4390-400	85
1394	Cellular phenotype and extracellular vesicles: basic and clinical considerations. 2014 , 23, 1429-36	61
1393	Optimising sample collection for placental research. 2014 , 35, 9-22	150
1392	Platelet-secreted microRNA-223 promotes endothelial cell apoptosis induced by advanced glycation end products via targeting the insulin-like growth factor 1 receptor. 2014 , 192, 437-46	166
1391	Liquid crystal droplet-based amplification of microvesicles that are shed by mammalian cells. 2014 , 139, 2386-96	11
1390	Hepatitis virus hijacks shuttle: exosome-like vesicles provide protection against neutralizing antibodies. 2014 , 59, 2416-8	5
1389	MiRNA in melanoma-derived exosomes. 2014 , 347, 29-37	85
1388	Proteomic analysis of cerebrospinal fluid extracellular vesicles: a comprehensive dataset. 2014 , 106, 191-204	172
1387	Tetraspanins as regulators of the tumour microenvironment: implications for metastasis and therapeutic strategies. 2014 , 171, 5462-90	64
1386	Emerging technologies in extracellular vesicle-based molecular diagnostics. 2014 , 14, 307-21	98

1385	Quantitative proteomics of fractionated membrane and lumen exosome proteins from isogenic metastatic and nonmetastatic bladder cancer cells reveal differential expression of EMT factors. 2014 , 14, 699-712	123
1384	A novel "salting-out" procedure for the isolation of tumor-derived exosomes. 2014 , 407, 120-6	63
1383	Characterization of the canine urinary proteome. 2014 , 43, 193-205	14
1382	Optimizing the purification and analysis of miRNAs from urinary exosomes. 2014 , 52, 345-54	38
1381	Elevated HERV-K mRNA expression in PBMC is associated with a prostate cancer diagnosis particularly in older men and smokers. 2014 , 35, 2074-83	51
1380	The emerging role of exosomes in Wnt secretion and transport. 2014 , 27, 14-9	56
1379	Parkinson's disease-linked human PARK9/ATP13A2 maintains zinc homeostasis and promotes α -Synuclein externalization via exosomes. 2014 , 23, 2816-33	172
1378	Role of exosomes in myocardial remodeling. 2014 , 114, 315-24	98
1377	Novel insights into exosome-induced, tumor-associated inflammation and immunomodulation. 2014 , 28, 51-7	58
1376	Concepts of tissue injury and cell death in inflammation: a historical perspective. <i>Nature Reviews Immunology</i> , 2014 , 14, 51-9	36.5 145
1375	Weighing nanoparticles in solution at the attogram scale. 2014 , 111, 1310-5	95
1374	Ovarian cancer microenvironment: implications for cancer dissemination and chemoresistance acquisition. 2014 , 33, 17-39	121
1373	Exosomes from myeloid-derived suppressor cells carry biologically active proteins. 2014 , 13, 836-43	105
1372	Curcumin, a promising anti-cancer therapeutic: a review of its chemical properties, bioactivity and approaches to cancer cell delivery. 2014 , 4, 10815	163
1371	A doxorubicin delivery platform using engineered natural membrane vesicle exosomes for targeted tumor therapy. 2014 , 35, 2383-90	993
1370	Exosomes: a novel pathway of local and distant intercellular communication that facilitates the growth and metastasis of neoplastic lesions. 2014 , 184, 28-41	243
1369	Clinical use of novel urine and blood based prostate cancer biomarkers: a review. 2014 , 47, 889-96	91
1368	Non-coding RNAs and Cancer. 2014 ,	6

1367	The emerging role of extracellular vesicles as biomarkers for urogenital cancers. 2014 , 11, 688-701	201
1366	Extracellular vesicles from MDA-MB-231 breast cancer cells stimulated with linoleic acid promote an EMT-like process in MCF10A cells. 2014 , 91, 299-310	43
1365	Benchtop isolation and characterization of functional exosomes by sequential filtration. 2014 , 1371, 125-35	168
1364	Microvesicle-shuttled miR-130b reduces fat deposition in recipient primary cultured porcine adipocytes by inhibiting PPAR-g expression. 2014 , 229, 631-9	68
1363	Adipocyte exosomes induce transforming growth factor beta pathway dysregulation in hepatocytes: a novel paradigm for obesity-related liver disease. 2014 , 192, 268-75	99
1362	Structural elucidation of cell membrane-derived nanoparticles using molecular probes. 2014 , 2, 8231-8238	31
1361	Cancer exosomes perform cell-independent microRNA biogenesis and promote tumorigenesis. 2014 , 26, 707-21	1032
1360	Liquid biopsies in lung cancer: the new ambrosia of researchers. 2014 , 1846, 539-46	95
1359	MSC microvesicles for the treatment of lung disease: a new paradigm for cell-free therapy. 2014 , 21, 1905-15	65
1358	Inflammatory cytokines, interleukin-1 beta and tumor necrosis factor-alpha, upregulated in glioblastoma multiforme, raise the levels of CRYAB in exosomes secreted by U373 glioma cells. 2014 , 453, 326-31	69
1357	Molecular characterization of exosomes and their microRNA cargo in human follicular fluid: bioinformatic analysis reveals that exosomal microRNAs control pathways involved in follicular maturation. 2014 , 102, 1751-61.e1	135
1356	The role of extracellular vesicles in Plasmodium and other protozoan parasites. 2014 , 16, 344-54	82
1355	Cellular disposal of miR23b by RAB27-dependent exosome release is linked to acquisition of metastatic properties. 2014 , 74, 5758-71	195
1354	Human exosomal placenta-associated miR-517a-3p modulates the expression of PRKG1 mRNA in Jurkat cells. 2014 , 91, 129	48
1353	Nodal/Gdf1 heterodimers with bound prodomains enable serum-independent nodal signaling and endoderm differentiation. 2014 , 289, 17854-71	30
1352	Integrated immunoisolation and protein analysis of circulating exosomes using microfluidic technology. 2014 , 14, 3773-80	306
1351	Secreted fibroblast-derived miR-34a induces tubular cell apoptosis in fibrotic kidney. 2014 , 127, 4494-506	38
1350	Fetuin-A associates with histones intracellularly and shuttles them to exosomes to promote focal adhesion assembly resulting in rapid adhesion and spreading in breast carcinoma cells. 2014 , 328, 388-400	26

1349	Label-free quantitative detection of tumor-derived exosomes through surface plasmon resonance imaging. 2014 , 86, 8857-64	176
1348	Extracellular microRNAs in saliva. 2014 , 56, 91-96	
1347	Large-scale generation of cell-derived nanovesicles. 2014 , 6, 12056-64	112
1346	Identification of microRNAs in exosomes isolated from serum and umbilical cord blood, as well as placentomes of gestational day 90 pregnant sheep. 2014 , 81, 983-93	34
1345	Circulating glioma biomarkers. 2015 , 17, 343-60	52
1344	The origin, function, and diagnostic potential of extracellular microRNAs in human body fluids. 2014 , 5, 285-300	51
1343	Single-cell imaging of Wnt palmitoylation by the acyltransferase porcupine. 2014 , 10, 61-8	115
1342	Isolation of biologically-active exosomes from human plasma. 2014 , 411, 55-65	278
1341	Serum integrin-linked kinase (siLK) concentration and survival in non-small cell lung cancer: a pilot study. 2014 , 16, 455-62	5
1340	Exosomal miRNAs as potential biomarkers of cardiovascular risk in children. 2014 , 12, 162	81
1339	Exosomes as mediators of neuroinflammation. 2014 , 11, 68	194
1338	Exosome encased spherical nucleic acid gold nanoparticle conjugates as potent microRNA regulation agents. 2014 , 10, 186-92	72
1337	Urinary extracellular microvesicles: isolation methods and prospects for urinary proteome. 2014 , 14, 1922-32	59
1336	Expression of B-cell surface antigens in subpopulations of exosomes released from B-cell lymphoma cells. 2014 , 36, 847-862.e1	103
1335	14-3-3 and Ectenin are secreted on extracellular vesicles to activate the oncogenic Wnt pathway. 2014 , 8, 894-911	32
1334	Regulation of exosome release from mammary epithelial and breast cancer cells - a new regulatory pathway. 2014 , 50, 1025-34	159
1333	Epigenetic and non-epigenetic regulation of syncytin-1 expression in human placenta and cancer tissues. 2014 , 26, 648-56	30
1332	Bladder cancer exosomes contain EDIL-3/Del1 and facilitate cancer progression. 2014 , 192, 583-92	134

1331	MicroRNAs as potential biomarkers in diseases and toxicology. 2014 , 764-765, 46-57	45
1330	Cancer-secreted miR-105 destroys vascular endothelial barriers to promote metastasis. 2014 , 25, 501-15	897
1329	Characterization and deep sequencing analysis of exosomal and non-exosomal miRNA in human urine. 2014 , 86, 433-44	231
1328	Neoplastic reprogramming of patient-derived adipose stem cells by prostate cancer cell-associated exosomes. 2014 , 32, 983-97	187
1327	Microfluidic fabrication of cell-derived nanovesicles as endogenous RNA carriers. 2014 , 14, 1261-9	88
1326	Lymph node stromal cells acquire peptide-MHCII complexes from dendritic cells and induce antigen-specific CD4+ T cell tolerance. 2014 , 211, 1153-66	153
1325	Exosomes as immunotheranostic nanoparticles. 2014 , 36, 820-9	62
1324	Potential of cancer cell-derived exosomes in clinical application: a review of recent research advances. 2014 , 36, 863-72	63
1323	Microvesicles mediate transfer of P-glycoprotein to paclitaxel-sensitive A2780 human ovarian cancer cells, conferring paclitaxel-resistance. 2014 , 738, 83-90	60
1322	Extracellular RNA mediates and marks cancer progression. 2014 , 28, 14-23	52
1321	Danger signalling during cancer cell death: origins, plasticity and regulation. 2014 , 21, 26-38	155
1320	Analysis of AKT and ERK1/2 protein kinases in extracellular vesicles isolated from blood of patients with cancer. 2014 , 3, 25657	24
1319	Tumor-associated circulating microRNAs as biomarkers of cancer. 2014 , 19, 1912-38	115
1318	Exosomal Heat Shock Proteins as New Players in Tumour Cell-to-Cell Communication. 2014 , 3, 4	30
1317	Recovery of extracellular vesicles from human breast milk is influenced by sample collection and vesicle isolation procedures. 2014 , 3,	148
1316	Effect of storage on physical and functional properties of extracellular vesicles derived from neutrophilic granulocytes. 2014 , 3, 25465	108
1315	Endothelial and cancer cells interact with mesenchymal stem cells via both microparticles and secreted factors. 2014 , 18, 2372-84	32
1314	The role of platelets in sepsis. 2014 , 112, 666-77	151

1313	Exosomes from breast milk inhibit HIV-1 infection of dendritic cells and subsequent viral transfer to CD4+ T cells. 2014 , 28, 171-80	102
1312	Interactions of tumour-derived micro(nano)vesicles with human gastric cancer cells. 2015 , 13, 376	20
1311	Understanding the biosynthesis of platelets-derived extracellular vesicles. 2015 , 3, 133-40	16
1310	The extracellular RNA complement of Escherichia coli. 2015 , 4, 252-266	107
1309	Ten years and counting: moving leucine-rich repeat kinase 2 inhibitors to the clinic. 2015 , 30, 180-9	51
1308	Pancreatic cancer-secreted miR-155 implicates in the conversion from normal fibroblasts to cancer-associated fibroblasts. 2015 , 106, 1362-9	112
1307	Quantitative and qualitative analysis of small RNAs in human endothelial cells and exosomes provides insights into localized RNA processing, degradation and sorting. 2015 , 4, 26760	180
1306	Exosomal proteins as potential diagnostic markers in advanced non-small cell lung carcinoma. 2015 , 4, 26659	189
1305	Size-exclusion chromatography-based enrichment of extracellular vesicles from urine samples. 2015 , 4, 27369	114
1304	TLR-3 stimulation improves anti-tumor immunity elicited by dendritic cell exosome-based vaccines in a murine model of melanoma. 2015 , 5, 17622	73
1303	Present, Emerging and Possible Future Biomarkers in Castration Resistant Prostate Cancer (CRPC). 2015 , 15, 243-55	14
1302	Noninvasive imaging of radiolabeled exosome-mimetic nanovesicle using (99m)Tc-HMPAO. 2015 , 5, 15636	137
1301	Targeted exosome-mediated delivery of opioid receptor Mu siRNA for the treatment of morphine relapse. 2015 , 5, 17543	167
1300	Current and emerging therapies for bone metastatic castration-resistant prostate cancer. 2015 , 22, 109-20	33
1299	Size Exclusion HPLC Detection of Small-Size Impurities as a Complementary Means for Quality Analysis of Extracellular Vesicles. 2015 , 4, 6	8
1298	Size-exclusion chromatography as a stand-alone methodology identifies novel markers in mass spectrometry analyses of plasma-derived vesicles from healthy individuals. 2015 , 4, 27378	125
1297	Oral administration of bovine milk derived extracellular vesicles attenuates arthritis in two mouse models. 2015 , 59, 1701-12	144
1296	FunRich proteomics software analysis, let the fun begin!. 2015 , 15, 2555-6	53

1295	Inflamed macrophage microvesicles induce insulin resistance in human adipocytes. 2015 , 12, 21	50
1294	Exosomes secreted by human-induced pluripotent stem cell-derived mesenchymal stem cells attenuate limb ischemia by promoting angiogenesis in mice. 2015 , 6, 10	225
1293	Signalling from Endosomes and Exosomes. 2015 , 1-7	
1292	The secret life of extracellular vesicles in metal homeostasis and neurodegeneration. 2015 , 107, 389-418	30
1291	Intercellular transfer of messenger RNAs in multiorgan tumorigenesis by tumor cell-derived exosomes. 2015 , 11, 4657-63	15
1290	The Uptake of Extracellular Vesicles is Affected by the Differentiation Status of Myeloid Cells. 2015 , 82, 506-14	27
1289	Exosomes: Nanoscale Packages Contain the Health-state [Status Quo] of the Cells that Secrete them. 2015 , 06,	2
1288	Exosome Function in miRNA-Mediated Paracrine Effects. 2015 , 37-62	4
1287	Exosomes are fingerprints of originating cells: potential biomarkers for ovarian cancer. 2015 , 101	5
1286	Therapeutic potential of CAR-T cell-derived exosomes: a cell-free modality for targeted cancer therapy. 2015 , 6, 44179-90	69
1285	Tumor-derived exosomes in cancer progression and treatment failure. 2015 , 6, 37151-68	157
1284	Acquisition and Presentation of Tumor Antigens by Dendritic Cells. 2015 , 35, 349-64	8
1283	The Dual Role of Exosomes in Hepatitis A and C Virus Transmission and Viral Immune Activation. 2015 , 7, 6707-15	52
1282	Exosomes as renal inductive signals in health and disease, and their application as diagnostic markers and therapeutic agents. 2015 , 3, 65	39
1281	MicroRNAs in Breastmilk and the Lactating Breast: Potential Immunoprotectors and Developmental Regulators for the Infant and the Mother. 2015 , 12, 13981-4020	112
1280	Neuroinflammation and Depression: Microglia Activation, Extracellular Microvesicles and microRNA Dysregulation. 2015 , 9, 476	308
1279	Characterization of RNA from Exosomes and Other Extracellular Vesicles Isolated by a Novel Spin Column-Based Method. 2015 , 10, e0136133	211
1278	Growth Arrest-Specific 6 Protein in Patients with Sjögren Syndrome: Determination of the Plasma Level and Expression in the Labial Salivary Gland. 2015 , 10, e0139955	7

1277	Commercial cow milk contains physically stable extracellular vesicles expressing immunoregulatory TGF- β 2015 , 10, e0121123	116
1276	Exosome-based strategies for Diagnosis and Therapy. 2015 , 10, 10-27	79
1275	Exosomes: a role for naturally occurring nanovesicles in cancer growth, diagnosis and treatment. 2015 , 15, 182-92	54
1274	Antibody-Based Assays for Phenotyping of Extracellular Vesicles. 2015 , 2015, 524817	18
1273	Extracellular Vesicles: Role in Inflammatory Responses and Potential Uses in Vaccination in Cancer and Infectious Diseases. 2015 , 2015, 832057	44
1272	Transmission of Information in Neoplasia by Extracellular Vesicles. 2015 , 2015, 289567	3
1271	MicroRNAs: Novel Players in the Dialogue between Pancreatic Islets and Immune System in Autoimmune Diabetes. 2015 , 2015, 749734	42
1270	Exosomes: novel biomarkers for clinical diagnosis. 2015 , 2015, 657086	287
1269	The Emerging Role of Extracellular Vesicle-Mediated Drug Resistance in Cancers: Implications in Advanced Prostate Cancer. 2015 , 2015, 454837	34
1268	Curcumin inhibits in vitro and in vivo chronic myelogenous leukemia cells growth: a possible role for exosomal disposal of miR-21. 2015 , 6, 21918-33	86
1267	The role of microRNAs in equine medicine: a review. 2015 , 35, 88-96	13
1266	Secretome protein signature of human gastrointestinal stromal tumor cells. 2015 , 336, 158-70	6
1265	Proteomics of microparticles with SILAC Quantification (PROMIS-Quan): a novel proteomic method for plasma biomarker quantification. 2015 , 14, 1127-36	32
1264	An Analysis of Exosomes from Keratinocytes and Fibroblasts. 2015 , 137-141	
1263	Emerging roles of exosomes in normal and pathological conditions: new insights for diagnosis and therapeutic applications. 2015 , 6, 203	377
1262	Extracellular vesicles such as prostate cancer cell fragments as a fluid biopsy for prostate cancer. 2015 , 18, 213-20	10
1261	Extracellular vesicles: potential applications in cancer diagnosis, prognosis, and epidemiology. 2015 , 15, 6	101
1260	A TRP Channel Senses Lysosome Neutralization by Pathogens to Trigger Their Expulsion. 2015 , 161, 1306-19	174

1259	Nano-plasmonic exosome diagnostics. 2015 , 15, 725-33	36
1258	microRNA: Cancer. 2015 ,	1
1257	Tumor-derived exosomes-based cancer early detection: a molecular dynamics simulation. 2015 ,	
1256	Intravenous injection of microvesicle-delivery miR-130b alleviates high-fat diet-induced obesity in C57BL/6 mice through translational repression of PPAR- α . 2015 , 22, 86	21
1255	Do endothelial cells belong to the primitive stem leukemic clone in CML? Role of extracellular vesicles. 2015 , 39, 921-4	10
1254	Acellular approaches for regenerative medicine: on the verge of clinical trials with extracellular membrane vesicles?. 2015 , 6, 227	43
1253	Effect of hyperthermic CO-treated dendritic cell-derived exosomes on the human gastric cancer AGS cell line. 2015 , 10, 71-76	11
1252	Role of CXC Chemokines in Liver Repair and Regeneration. 2015 , 113-123	
1251	Exosomes and their Therapeutic Applications. 2015 , 477-501	4
1250	microRNA and Ovarian Cancer. 2015 , 889, 119-51	27
1249	Glioblastoma exosomes and IGF-1R/AS-ODN are immunogenic stimuli in a translational research immunotherapy paradigm. 2015 , 64, 299-309	30
1248	Cell-free tumor microparticle vaccines stimulate dendritic cells via cGAS/STING signaling. 2015 , 3, 196-205	70
1247	The neutral sphingomyelinase pathway regulates packaging of the prion protein into exosomes. 2015 , 290, 3455-67	138
1246	Acoustic purification of extracellular microvesicles. 2015 , 9, 2321-7	287
1245	Colorimetric nanoplasmonic assay to determine purity and titrate extracellular vesicles. 2015 , 87, 4168-76	67
1244	ATG12-ATG3 interacts with Alix to promote basal autophagic flux and late endosome function. 2015 , 17, 300-10	165
1243	Differences between disease-associated endoplasmic reticulum aminopeptidase 1 (ERAP1) isoforms in cellular expression, interactions with tumour necrosis factor receptor 1 (TNF-R1) and regulation by cytokines. 2015 , 180, 289-304	6
1242	Roles and regulation of neutral sphingomyelinase-2 in cellular and pathological processes. 2015 , 57, 24-41	109

1241	Immunomodulatory role of microRNAs transferred by extracellular vesicles. 2015 , 107, 61-77	86
1240	MicroRNAs and Exosomes in Cancer Diagnosis and Therapy. 2015 , 819-834	
1239	The $\alpha 5 \beta 1$ integrin is transferred intercellularly via exosomes. 2015 , 290, 4545-4551	119
1238	Extracellular vesicles--Their role in the packaging and spread of misfolded proteins associated with neurodegenerative diseases. 2015 , 40, 89-96	148
1237	Ciliary ectosomes: transmissions from the cell's antenna. 2015 , 25, 276-85	92
1236	Exosomes and their roles in immune regulation and cancer. 2015 , 40, 72-81	378
1235	Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins. 2015 , 205, 35-44	295
1234	Exosomal clusterin, identified in the pericardial fluid, improves myocardial performance following MI through epicardial activation, enhanced arteriogenesis and reduced apoptosis. 2015 , 197, 333-47	55
1233	Fibroblasts Rendered Antifibrotic, Antiapoptotic, and Angiogenic by Priming With Cardiosphere-Derived Extracellular Membrane Vesicles. 2015 , 66, 599-611	93
1232	Exosome release following activation of the dendritic cell immunoreceptor: a potential role in HIV-1 pathogenesis. 2015 , 484, 103-112	19
1231	Editorial: Extracellular vesicles: a paradigm shift in how we think about cell-cell communication. 2015 , 40, 1-3	1
1230	Signal enhancement from fluorescently labeled exosomes: Theoretical analysis of fluorescence in the presence of plasmonic nanoparticles. 2015 , 70, 108-116	
1229	Putting the Squeeze on Airway Epithelia. 2015 , 30, 293-303	25
1228	Extracellular vesicles from women with breast cancer promote an epithelial-mesenchymal transition-like process in mammary epithelial cells MCF10A. 2015 , 36, 9649-59	13
1227	Physical characterization and profiling of airway epithelial derived exosomes using light scattering. 2015 , 87, 59-63	64
1226	Glypican-1 identifies cancer exosomes and detects early pancreatic cancer. 2015 , 523, 177-82	1678
1225	Exosomes as potential alternatives to stem cell therapy in mediating cardiac regeneration. 2015 , 117, 7-9	43
1224	Functionally and morphologically distinct populations of extracellular vesicles produced by human neutrophilic granulocytes. 2015 , 98, 583-9	25

1223	Hierarchical paracrine interaction of breast cancer associated fibroblasts with cancer cells via hMAPK-microRNAs to drive ER-negative breast cancer phenotype. 2015 , 16, 1671-81	40
1222	Exosomes in cancer: small particle, big player. 2015 , 8, 83	475
1221	Serum Exosome MicroRNA as a Minimally-Invasive Early Biomarker of AML. 2015 , 5, 11295	144
1220	Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. 2015 , 6, 7321	447
1219	Circulating microRNAs: emerging biomarkers for diagnosis and prognosis in patients with gastrointestinal cancers. 2015 , 128, 1-15	36
1218	Hepatocellular carcinoma-derived exosomes promote motility of immortalized hepatocyte through transfer of oncogenic proteins and RNAs. 2015 , 36, 1008-18	167
1217	The redox biology network in cancer pathophysiology and therapeutics. 2015 , 5, 347-357	91
1216	Dysfunction of platelet-derived growth factor receptor α (PDGFR α) represses the production of oligodendrocytes from arylsulfatase A-deficient multipotential neural precursor cells. 2015 , 290, 7040-53	31
1215	Rapid inertial solution exchange for enrichment and flow cytometric detection of microvesicles. 2015 , 9, 014112	68
1214	Exosomes released from breast cancer carcinomas stimulate cell movement. 2015 , 10, e0117495	109
1213	Non-coding RNAs in saliva: emerging biomarkers for molecular diagnostics. 2015 , 16, 8676-98	50
1212	Integrated systems for exosome investigation. 2015 , 87, 31-45	134
1211	Oviduct binding ability of porcine spermatozoa develops in the epididymis and can be advanced by incubation with caudal fluid. 2015 , 83, 1502-13	7
1210	An optimized procedure for exosome isolation and analysis using serum samples: Application to cancer biomarker discovery. 2015 , 87, 26-30	51
1209	Buyang Huanwu Decoction (BYHWD) Enhances Angiogenic Effect of Mesenchymal Stem Cell by Upregulating VEGF Expression After Focal Cerebral Ischemia. 2015 , 56, 898-906	49
1208	MicroRNA-223 delivered by platelet-derived microvesicles promotes lung cancer cell invasion via targeting tumor suppressor EPB41L3. 2015 , 14, 58	115
1207	Exosomes released from human induced pluripotent stem cells-derived MSCs facilitate cutaneous wound healing by promoting collagen synthesis and angiogenesis. 2015 , 13, 49	373
1206	Signaling by exosomal microRNAs in cancer. 2015 , 34, 32	101

1205	Exosome-mediated transfer of microRNAs within the tumor microenvironment and neuroblastoma resistance to chemotherapy. 2015 , 107,	232
1204	Modulation of cellular function through immune-activated exosomes. 2015 , 34, 459-63	20
1203	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. 2015 , 6, 6999	363
1202	Generation of cardiac progenitor cells through epicardial to mesenchymal transition. 2015 , 93, 735-48	17
1201	Mass-spectrometry-based molecular characterization of extracellular vesicles: lipidomics and proteomics. 2015 , 14, 2367-84	148
1200	3D plasmonic nanobowl platform for the study of exosomes in solution. 2015 , 7, 9290-7	109
1199	Cell-derived vesicles for drug therapy and diagnostics: opportunities and challenges. 2015 , 10, 397-409	101
1198	Nanopatterning of Suspended Graphene Films by Local Catalytic Etching Using Atomic Force Microscopy Equipped with an Ag-Coated Probe. 2015 , 119, 11914-11921	4
1197	Paper-based devices for isolation and characterization of extracellular vesicles. 2015 , e52722	16
1196	Rapid and comprehensive 'shotgun' lipidome profiling of colorectal cancer cell derived exosomes. 2015 , 87, 83-95	108
1195	The new deal: a potential role for secreted vesicles in innate immunity and tumor progression. 2015 , 6, 66	70
1194	Liposome-based engineering of cells to package hydrophobic compounds in membrane vesicles for tumor penetration. 2015 , 15, 2938-44	115
1193	Size and shape characterization of hydrated and desiccated exosomes. 2015 , 407, 3285-301	105
1192	Use of mesenchymal stem cells for therapy of cardiac disease. 2015 , 116, 1413-30	284
1191	Exosomes as nanocarriers for immunotherapy of cancer and inflammatory diseases. 2015 , 160, 46-58	113
1190	Microvesicles in the brain: Biomarker, messenger or mediator?. 2015 , 288, 70-8	45
1189	Exosome-mediated microRNA transfer plays a role in radiation-induced bystander effect. 2015 , 12, 1355-63	98
1188	Identification and proteomic analysis of osteoblast-derived exosomes. 2015 , 467, 27-32	61

1187	Control of Macrophage Dynamics as a Potential Therapeutic Approach for Clinical Disorders Involving Chronic Inflammation. 2015 , 354, 240-50	28
1186	Oviductosome-Sperm Membrane Interaction in Cargo Delivery: DETECTION OF FUSION AND UNDERLYING MOLECULAR PLAYERS USING THREE-DIMENSIONAL SUPER-RESOLUTION STRUCTURED ILLUMINATION MICROSCOPY (SR-SIM). 2015 , 290, 17710-17723	59
1185	p75(NTR)-dependent activation of NF- κ B regulates microRNA-503 transcription and pericyte-endothelial crosstalk in diabetes after limb ischaemia. 2015 , 6, 8024	89
1184	Les exosomes en pratique clinique : exemple du cancer bronchique. 2015 , 17, 372-378	1
1183	Molecular characterisation of plasma membrane-derived vesicles. 2015 , 22, 68	17
1182	Use of solid-state nanopores for sensing co-translocational deformation of nano-liposomes. 2015 , 140, 4865-73	26
1181	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. 2015 , 22, 606-18	147
1180	Neuronal-Targeted TFEB Accelerates Lysosomal Degradation of APP, Reducing A β Generation and Amyloid Plaque Pathogenesis. 2015 , 35, 12137-51	134
1179	THERAPY OF ENDOCRINE DISEASE: Islet transplantation for type 1 diabetes: so close and yet so far away. 2015 , 173, R165-83	29
1178	Cross-dressing: an alternative mechanism for antigen presentation. 2015 , 168, 349-54	63
1177	Telomeric repeat-containing RNA (TERRA) constitutes a nucleoprotein component of extracellular inflammatory exosomes. 2015 , 112, E6293-300	60
1176	Regulation of cancer metastasis by cell-free miRNAs. 2015 , 1855, 24-42	58
1175	Exosome from chaperone-rich cell lysates-loaded dendritic cells produced by CELLline 1000 culture system exhibits potent immune activity. 2015 , 456, 513-8	7
1174	Exosomes in urine biomarker discovery. 2015 , 845, 43-58	44
1173	Extracellular vesicles and their synthetic analogues in aging and age-associated brain diseases. 2015 , 16, 147-85	41
1172	Endothelial barrier dysfunction in septic shock. 2015 , 277, 277-293	188
1171	Epigenetic impact of curcumin on stroke prevention. 2015 , 30, 427-35	29
1170	Human endogenous retrovirus K and cancer: Innocent bystander or tumorigenic accomplice?. 2015 , 137, 1249-57	85

1169	Formation and role of exosomes in cancer. 2015 , 72, 659-71	156
1168	Exosomes - structure, biogenesis and biological role in non-small-cell lung cancer. 2015 , 81, 2-10	125
1167	Extracellular vesicles including exosomes are mediators of signal transduction: are they protective or pathogenic?. 2015 , 15, 260-71	175
1166	RNA Interference. 2015 ,	1
1165	Magnetic bead-based isolation of exosomes. 2015 , 1218, 465-81	95
1164	Tumor-derived exosomes in oncogenic reprogramming and cancer progression. 2015 , 72, 1-10	81
1163	Exosomes: vehicles of intercellular signaling, biomarkers, and vectors of cell therapy. 2015 , 77, 13-27	418
1162	From hundreds to thousands: Widening the normal human Urinome (1). 2015 , 112, 53-62	35
1161	IFITM3-containing exosome as a novel mediator for anti-viral response in dengue virus infection. 2015 , 17, 105-18	69
1160	Exosomes as divine messengers: are they the Hermes of modern molecular oncology?. 2015 , 22, 34-45	205
1159	Pancreatic Cancer Exosomes: Shedding Off for a Meaningful Journey. 2016 , 6, e148	33
1158	Tumor Exosomes: Potential Biomarkers and Targets in Cancer. 2016 , 07,	
1157	Urine Proteome Biomarkers in Kidney Diseases. I. Limits, Perspectives, and First Focus on Normal Urine. 2016 , 11, 41-8	19
1156	Microparticles: A Pivotal Nexus in Vascular Homeostasis and Disease. 2016 , 11, 28-42	6
1155	Chemokine Receptors, CXCR1 and CXCR2, Differentially Regulate Exosome Release in Hepatocytes. 2016 , 11, e0161443	17
1154	Extracellular vesicle cross-talk in the bone marrow microenvironment: implications in multiple myeloma. 2016 , 7, 38927-38945	38
1153	Boar seminal plasma exosomes maintain sperm function by infiltrating into the sperm membrane. 2016 , 7, 58832-58847	47
1152	Recapitulating the Size and Cargo of Tumor Exosomes in a Tissue-Engineered Model. 2016 , 6, 1119-30	50

1151	Extracellular Vesicles in Molecular Diagnostics: An Overview with a Focus on CNS Diseases. 2016 , 76, 37-53	12
1150	Glandular Epithelium: Innocent Bystander or Leading Actor?. 2016 , 189-204	
1149	Phenotyping of Leukocytes and Leukocyte-Derived Extracellular Vesicles. 2016 , 2016, 6391264	24
1148	Mesenchymal Stem Cell-Derived Exosomes: New Opportunity in Cell-Free Therapy. 2016 , 6, 293-299	85
1147	Curcumin modulates chronic myelogenous leukemia exosomes composition and affects angiogenic phenotype via exosomal miR-21. 2016 , 7, 30420-39	60
1146	Emerging roles of exosomes in cancer invasion and metastasis. 2016 , 49, 18-25	57
1145	Stem Cell-Based Therapies, Remyelination, and Repair Promotion in the Treatment of Multiple Sclerosis. 2016 , 415-439	
1144	The Molecular Basis of the Immune Response to Stressed Cells and Tissues. 2016 , 53-79	
1143	Exosomes isolation and characterization in serum is feasible in non-small cell lung cancer patients: critical analysis of evidence and potential role in clinical practice. 2016 , 7, 28748-60	73
1142	Potential Therapies by Stem Cell-Derived Exosomes in CNS Diseases: Focusing on the Neurogenic Niche. 2016 , 2016, 5736059	54
1141	Role of exosomes in the reproductive tract Oviductosomes mediate interactions of oviductal secretion with gametes/early embryo. 2016 , 21, 1278-85	22
1140	Exosomes in Human Immunodeficiency Virus Type I Pathogenesis: Threat or Opportunity?. 2016 , 2016, 9852494	32
1139	Exosomes from Human Umbilical Cord Mesenchymal Stem Cells: Identification, Purification, and Biological Characteristics. 2016 , 2016, 1929536	55
1138	Epididymosomes: Role of extracellular microvesicles in sperm maturation. 2016 , 8, 106-14	38
1137	Exosomes: The Messengers of Health and Disease. 2017 , 15, 157-165	100
1136	Extracellular vesicles: masters of intercellular communication and potential clinical interventions. 2016 , 126, 1139-43	263
1135	Exosomes for Immunoregulation and Therapeutic Intervention in Cancer. 2016 , 7, 1081-7	27
1134	Exosomes: The Link between GPCR Activation and Metastatic Potential?. 2016 , 7, 56	16

1133	Melanoma Affects the Composition of Blood Cell-Derived Extracellular Vesicles. 2016 , 7, 282	25
1132	New Insights into Regulatory T Cells: Exosome- and Non-Coding RNA-Mediated Regulation of Homeostasis and Resident Treg Cells. 2016 , 7, 574	35
1131	Allorecognition by T Lymphocytes and Allograft Rejection. 2016 , 7, 582	99
1130	Ebola VP40 in Exosomes Can Cause Immune Cell Dysfunction. 2016 , 7, 1765	49
1129	Editorial: Tumor-Derived Extracellular Vesicles: Protocols, Models, and Clinical Evidence. 2016 , 6, 230	2
1128	Adapt, Recycle, and Move on: Proteostasis and Trafficking Mechanisms in Melanoma. 2016 , 6, 240	18
1127	Biology, Therapy and Implications of Tumor Exosomes in the Progression of Melanoma. 2016 , 8,	30
1126	Focus on Extracellular Vesicles: Introducing the Next Small Big Thing. 2016 , 17, 170	432
1125	MicroRNA Regulation of Human Breast Cancer Stem Cells. 2015 , 5,	60
1124	Release of extracellular vesicles containing small RNAs from the eggs of <i>Schistosoma japonicum</i> . 2016 , 9, 574	36
1123	Endothelial Cells Can Regulate Smooth Muscle Cells in Contractile Phenotype through the miR-206/ARF6&NCX1/Exosome Axis. 2016 , 11, e0152959	34
1122	Profile of Exosomal and Intracellular microRNA in Gamma-Herpesvirus-Infected Lymphoma Cell Lines. 2016 , 11, e0162574	38
1121	Identification and Characterization of 293T Cell-Derived Exosomes by Profiling the Protein, mRNA and MicroRNA Components. 2016 , 11, e0163043	60
1120	Uterosomes: Exosomal cargo during the estrus cycle and interaction with sperm. 2016 , 8, 115-22	14
1119	The biology and function of exosomes in cancer. 2016 , 126, 1208-15	919
1118	Biobanking of Exosomes in the Era of Precision Medicine: Are We There Yet?. 2015 , 17,	30
1117	Focus on Extracellular Vesicles: Physiological Role and Signalling Properties of Extracellular Membrane Vesicles. 2016 , 17, 171	162
1116	Circulating Extracellular Vesicles Contain miRNAs and are Released as Early Biomarkers for Cardiac Injury. 2016 , 9, 291-301	48

1115	Exosome-encapsulated microRNAs as circulating biomarkers for breast cancer. 2016 , 139, 1443-8	108
1114	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. 2016 , 55, 3914-8	31
1113	Biogenesis of a new type of extracellular vesicles in gastrointestinal stromal tumors: ultrastructural profiles of spherosomes. 2016 , 146, 557-567	14
1112	Proteomic profiling of dextran sulfate sodium induced acute ulcerative colitis mice serum exosomes and their immunomodulatory impact on macrophages. 2016 , 16, 1131-45	55
1111	miRNA signatures and transcriptional regulation of their target genes in vitiligo. 2016 , 84, 50-58	29
1110	AB0069 Follistatin-like 1 Promotes Osteoclast Differentiation via RANKL-Mediated Activation of NF- κ B and MAPK Signaling Pathways. 2016 , 75, 920.3-921	
1109	The Ste20 kinases SPAK and OSR1 travel between cells through exosomes. 2016 , 311, C43-53	7
1108	The use of mesenchymal stromal cells in acute and chronic heart disease. 2016 , 645-660	
1107	Changes in the Membrane-Associated Proteins of Exosomes Released from Human Macrophages after Mycobacterium tuberculosis Infection. 2016 , 6, 37975	41
1106	Proteomics analysis of vesicles isolated from plasma and urine of prostate cancer patients using a multiplex, aptamer-based protein array. 2016 , 5, 31209	49
1105	A novel multiplex bead-based platform highlights the diversity of extracellular vesicles. 2016 , 5, 29975	118
1104	Imaging of exosomes by broadband scanning microwave microscopy. 2016 ,	7
1103	Multimodal transfer of MDR by exosomes in human osteosarcoma. 2016 , 49, 189-96	77
1102	Nanoparticle analysis sheds budding insights into genetic drivers of extracellular vesicle biogenesis. 2016 , 5, 31295	80
1101	Nanosomes carrying doxorubicin exhibit potent anticancer activity against human lung cancer cells. 2016 , 6, 38541	91
1100	Microvesicles provide a mechanism for intercellular communication by embryonic stem cells during embryo implantation. 2016 , 7, 11958	123
1099	Human vaginal fluid contains exosomes that have an inhibitory effect on an early step of the HIV-1 life cycle. 2016 , 30, 2611-2616	36
1098	HIV Nef- and Notch1-dependent Endocytosis of ADAM17 Induces Vesicular TNF Secretion in Chronic HIV Infection. 2016 , 13, 294-304	32

1097	Methods Used for Noncoding RNAs Analysis. 2016 , 151-175	
1096	Cell-derived microvesicles mediate the delivery of miR-29a/c to suppress angiogenesis in gastric carcinoma. 2016 , 375, 331-339	78
1095	Microfluidic Exosome Analysis toward Liquid Biopsy for Cancer. 2016 , 21, 599-608	106
1094	The hnRNP family: insights into their role in health and disease. 2016 , 135, 851-67	409
1093	The potential of endurance exercise-derived exosomes to treat metabolic diseases. 2016 , 12, 504-17	191
1092	Monocyte exosomes induce adhesion molecules and cytokines via activation of NF- κ B in endothelial cells. 2016 , 30, 3097-106	105
1091	Effective isolation of exosomes with polyethylene glycol from cell culture supernatant for in-depth proteome profiling. 2016 , 141, 4640-6	111
1090	Microfluidic Methods for Molecular Biology. 2016 ,	3
1089	Exosome-associated release, uptake, and neurotoxicity of HIV-1 Tat protein. 2016 , 22, 774-788	44
1088	Extracellular vesicles in blood, milk and body fluids of the female and male urogenital tract and with special regard to reproduction. 2016 , 53, 379-95	51
1087	Cetuximab treatment alters the content of extracellular vesicles released from tumor cells. 2016 , 11, 881-90	14
1086	Exosomes in human atherosclerosis: An ultrastructural analysis study. 2016 , 40, 101-6	33
1085	miRNA for diagnosis and clinical implications of human hepatocellular carcinoma. 2016 , 46, 89-99	24
1084	Introduction to Extracellular Vesicles: Biogenesis, RNA Cargo Selection, Content, Release, and Uptake. 2016 , 36, 301-12	694
1083	Plasma-derived exosomes in acute myeloid leukemia for detection of minimal residual disease: are we ready?. 2016 , 16, 623-9	28
1082	Illuminating the physiology of extracellular vesicles. 2016 , 7, 55	62
1081	Neutrophil-Derived Exosomes: A New Mechanism Contributing to Airway Smooth Muscle Remodeling. 2016 , 55, 450-61	73
1080	Tumour cell-derived exosomes endow mesenchymal stromal cells with tumour-promotion capabilities. 2016 , 35, 6038-6042	55

1079	Induction of miR-146a by multiple myeloma cells in mesenchymal stromal cells stimulates their pro-tumoral activity. 2016 , 377, 17-24	81
1078	Transglutaminase type 2-dependent selective recruitment of proteins into exosomes under stressful cellular conditions. 2016 , 1863, 2084-92	29
1077	Induction of protective immunity against experimental Eimeria tenella infection using serum exosomes. 2016 , 224, 1-6	30
1076	Induction of expression and phosphorylation of heat shock protein B5 (CRYAB) in rat myometrium during pregnancy and labour. 2016 , 152, 69-79	6
1075	Exosomal non-coding RNAs: a promising cancer biomarker. 2016 , 54, 1871-1879	29
1074	Imaging and Intracellular Tracking of Cancer-Derived Exosomes Using Single-Molecule Localization-Based Super-Resolution Microscope. 2016 , 8, 25825-25833	70
1073	Mechanisms of mesenchymal stem/stromal cell function. 2016 , 7, 125	411
1072	Serum microRNAs-217 and -375 as biomarkers of acute pancreatic injury in rats. 2016 , 368-369, 1-9	13
1071	Toll-like receptor 3-activated macrophages confer anti-HCV activity to hepatocytes through exosomes. 2016 , 30, 4132-4140	33
1070	The functional interplay between systemic cancer and the hematopoietic stem cell niche. 2016 , 168, 53-60	12
1069	Diagnostic technologies for circulating tumour cells and exosomes. 2015 , 36, e00292	50
1068	Metabolic and Signaling Functions of Cancer Cell-Derived Extracellular Vesicles. 2016 , 326, 175-99	34
1067	Different Phenotyping Approaches Lead to Dissimilar Biologic Profiles in Men With Chronic Fatigue After Radiation Therapy. 2016 , 52, 832-840	12
1066	Extracellular Vesicles and Vascular Injury: New Insights for Radiation Exposure. 2016 , 186, 203-18	28
1065	Fibrogenic Signaling Is Suppressed in Hepatic Stellate Cells through Targeting of Connective Tissue Growth Factor (CCN2) by Cellular or Exosomal MicroRNA-199a-5p. 2016 , 186, 2921-2933	45
1064	Good things come in small packages: Overcoming challenges to harness extracellular vesicles for therapeutic delivery. 2016 , 241, 174-185	91
1063	Adipocyte-derived microvesicles from obese mice induce M1 macrophage phenotype through secreted miR-155. 2016 , 8, 505-517	98
1062	Exosomes secreted by cardiosphere-derived cells reduce scarring, attenuate adverse remodelling, and improve function in acute and chronic porcine myocardial infarction. 2017 , 38, 201-211	282

1061	More than just innate affairs - on the role of annexins in adaptive immunity. 2016 , 397, 1017-29	12
1060	Multivesicular body formation enhancement and exosome release during endoplasmic reticulum stress. 2016 , 480, 166-172	95
1059	Exosomes as biomimetic tools for stem cell differentiation: Applications in dental pulp tissue regeneration. 2016 , 111, 103-115	144
1058	Exosome-based tumor antigens-adjuvant co-delivery utilizing genetically engineered tumor cell-derived exosomes with immunostimulatory CpG DNA. 2016 , 111, 55-65	166
1057	The Intracellular Cholesterol Transport Inhibitor U18666A Inhibits the Exosome-Dependent Release of Mature Hepatitis C Virus. 2016 , 90, 11181-11196	55
1056	Glial Cells in Health and Disease of the CNS. 2016 ,	6
1055	Schwann Cell and Axon: An Interlaced Unit-From Action Potential to Phenotype Expression. 2016 , 949, 183-201	7
1054	Transfer of malignant trait to BRCA1 deficient human fibroblasts following exposure to serum of cancer patients. 2016 , 35, 80	31
1053	Integrins and heparan sulfate proteoglycans on hepatic stellate cells (HSC) are novel receptors for HSC-derived exosomes. 2016 , 590, 4263-4274	46
1052	Elucidating diversity of exosomes: biophysical and molecular characterization methods. 2016 , 11, 2359-77	52
1051	Endocrine Disruptors: A Potential Risk Factor for Gestational Diabetes Mellitus. 2016 , 33, 1313-1318	60
1050	The Controlling Cancer Summit, 17-19 May 2016, London, UK. 2016 , 12, 2363-5	
1049	Update on extracellular vesicles inside red blood cell storage units: Adjust the sails closer to the new wind. 2016 , 55, 92-104	33
1048	Exosomes from hypoxic endothelial cells have increased collagen crosslinking activity through up-regulation of lysyl oxidase-like 2. 2016 , 20, 342-50	68
1047	Exosomes in carcinogenesis: molecular palkis carry signals for the regulation of cancer progression and metastasis. 2016 , 10, 241-249	17
1046	Elucidation of Exosome Migration across the Blood-Brain Barrier Model In Vitro. 2016 , 9, 509-529	229
1045	The Tumor Microenvironment. 2016 ,	3
1044	Analysis of Extracellular Vesicles in the Tumor Microenvironment. 2016 , 1458, 195-202	1

1043	Extracellular Vesicles Move Toward Use in Clinical Laboratories. 2016 , 36, 587-602	4
1042	Appearance of claudin-5 leukocytes in the central nervous system during neuroinflammation: a novel role for endothelial-derived extracellular vesicles. 2016 , 13, 292	46
1041	Exosomal microRNA miR-92a concentration in serum reflects human brown fat activity. 2016 , 7, 11420	105
1040	Characterization of Induced Pluripotent Stem Cell Microvesicle Genesis, Morphology and Pluripotent Content. 2016 , 6, 19743	27
1039	Emerging roles of extracellular vesicles in neurodegenerative disorders: focus on HIV-associated neurological complications. 2016 , 7, e2481	34
1038	Port-to-port delivery: Mobilization of toxic sphingolipids via extracellular vesicles. 2016 , 94, 1333-40	12
1037	The biology of extracellular vesicles with focus on platelet microparticles and their role in cancer development and progression. 2016 , 37, 14391-14401	53
1036	Circulating microRNAs in cancer: Hope or hype?. 2016 , 381, 113-21	53
1035	PIKfyve inhibition increases exosome release and induces secretory autophagy. 2016 , 73, 4717-4737	127
1034	Self-Renewal of Bone Marrow Stem Cells by Nanovesicles Engineered from Embryonic Stem Cells. 2016 , 5, 3148-3156	19
1033	Exosomes as nanocarriers for systemic delivery of the Helicobacter pylori virulence factor CagA. 2016 , 6, 18346	77
1032	Bone marrow-derived mesenchymal stem cells improve diabetes-induced cognitive impairment by exosome transfer into damaged neurons and astrocytes. 2016 , 6, 24805	122
1031	Exosome engineering for efficient intracellular delivery of soluble proteins using optically reversible protein-protein interaction module. 2016 , 7, 12277	287
1030	Donor exosomes rather than passenger leukocytes initiate alloreactive T cell responses after transplantation. 2016 , 1,	103
1029	Lymphatic transport of exosomes as a rapid route of information dissemination to the lymph node. 2016 , 6, 24436	94
1028	Insight of brain degenerative protein modifications in the pathology of neurodegeneration and dementia by proteomic profiling. 2016 , 9, 92	27
1027	Isolation and characterization of vesicular and non-vesicular microRNAs circulating in sera of partially hepatectomized rats. 2016 , 6, 31869	12
1026	Proteome Profiling of Urinary Exosomes Identifies Alpha 1-Antitrypsin and H2B1K as Diagnostic and Prognostic Biomarkers for Urothelial Carcinoma. 2016 , 6, 34446	49

1025	Characterisation of mouse epididymosomes reveals a complex profile of microRNAs and a potential mechanism for modification of the sperm epigenome. 2016 , 6, 31794	121
1024	The Biodistribution and Immune Suppressive Effects of Breast Cancer-Derived Exosomes. 2016 , 76, 6816-6827	162
1023	Retinal pigment epithelium cell-derived exosomes: Possible relevance to CNV in wet-age related macular degeneration. 2016 , 97, 98-101	12
1022	Combining Exosomes Derived from Immature DCs with Donor Antigen-Specific Treg Cells Induces Tolerance in a Rat Liver Allograft Model. 2016 , 6, 32971	29
1021	Isolation and mass spectrometry analysis of urinary extraexosomal proteins. 2016 , 6, 36331	32
1020	Exosomal miRNA Analysis in Non-small Cell Lung Cancer (NSCLC) Patients' Plasma Through qPCR: A Feasible Liquid Biopsy Tool. 2016 ,	38
1019	The Role of Isolation Methods on a Nanoscale Surface Structure and its Effect on the Size of Exosomes. 2016 , 5, 11	24
1018	Novel blood test to predict neoplastic activity in healthy patients and metastatic recurrence after primary tumor resection. 2016 , 5, 1849454416663661	4
1017	Exosomal Long Noncoding RNAs are Differentially Expressed in the Cervicovaginal Lavage Samples of Cervical Cancer Patients. 2016 , 30, 1116-1121	87
1016	Lysosomal Dysfunction and α -Synuclein Aggregation in Parkinson's Disease: Diagnostic Links. 2016 , 31, 791-801	96
1015	Lentiviral Vectors and Exosomes as Gene and Protein Delivery Tools. 2016 ,	1
1014	Biogenesis and Functions of Exosomes and Extracellular Vesicles. 2016 , 1448, 201-16	68
1013	Cardiac Myocyte Exosome Isolation. 2016 , 1448, 237-48	9
1012	Rebuilding the Damaged Heart: Mesenchymal Stem Cells, Cell-Based Therapy, and Engineered Heart Tissue. 2016 , 96, 1127-68	190
1011	Cancer Tills the Premetastatic Field: Mechanistic Basis and Clinical Implications. 2016 , 22, 3725-33	62
1010	MSC surface markers (CD44, CD73, and CD90) can identify human MSC-derived extracellular vesicles by conventional flow cytometry. 2016 , 14, 2	137
1009	Protocols for Exosome Isolation and RNA Profiling. 2016 , 1434, 153-67	18
1008	Effects of methotrexate and salazosulfapyridine on protein profiles of exosomes derived from a human synovial sarcoma cell line of SW982. 2016 , 10, 164-71	13

1007	Exosome-mediated small RNA delivery for gene therapy. 2016 , 7, 758-771	62
1006	The roles and implications of exosomes in sarcoma. 2016 , 35, 377-90	26
1005	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. 2016 , 128, 3982-3986	2
1004	Exosomes as a Nanodelivery System: a Key to the Future of Neuromedicine?. 2016 , 53, 818-834	142
1003	Mass spectrometry of extracellular vesicles. 2016 , 35, 3-21	74
1002	Protein kinase D1/2 is involved in the maturation of multivesicular bodies and secretion of exosomes in T and B lymphocytes. 2016 , 23, 99-109	48
1001	Microparticle analysis in disorders of hemostasis and thrombosis. 2016 , 89, 111-22	79
1000	Exosome-based therapeutic approach for muscle regeneration. 2016 , 222, 176	4
999	Physiological and pathological roles of exosomes in the nervous system. 2016 , 7, 53-68	36
998	Integrated Magneto-Electrochemical Sensor for Exosome Analysis. 2016 , 10, 1802-9	274
997	Characterization of a Secretory Annexin in Echinococcus granulosus. 2016 , 94, 626-33	11
996	Mimotope mimicking epidermal growth factor receptor alleviates mononuclear cell infiltration in exocrine glands induced by muscarinic acetylcholine 3 receptor. 2016 , 163, 111-9	6
995	Chromatography and its hyphenation to mass spectrometry for extracellular vesicle analysis. 2016 , 1439, 26-41	28
994	Secreted Oral Epithelial Cell Membrane Vesicles Induce Epstein-Barr Virus Reactivation in Latently Infected B Cells. 2016 , 90, 3469-79	22
993	Exosomal miRNAs in Heart Disease. 2016 , 31, 16-24	30
992	Exosomes from HIV-1-infected Cells Stimulate Production of Pro-inflammatory Cytokines through Trans-activating Response (TAR) RNA. 2016 , 291, 1251-66	128
991	Emergence of exosomal miRNAs as a diagnostic biomarker for Alzheimer's disease. 2016 , 360, 141-52	82
990	Exosomes Derived from Hypoxic Oral Squamous Cell Carcinoma Cells Deliver miR-21 to Normoxic Cells to Elicit a Prometastatic Phenotype. 2016 , 76, 1770-80	313

989	Stem cell-based therapies for the newborn lung and brain: Possibilities and challenges. 2016 , 40, 138-51	46
988	The emerging roles of exosomes in tumor-stroma interaction. 2016 , 142, 1897-907	55
987	Schwann Cell Exosomes Mediate Neuron-Glia Communication and Enhance Axonal Regeneration. 2016 , 36, 429-36	58
986	MicroRNA as Biomarkers and Diagnostics. 2016 , 231, 25-30	370
985	Exosomes derived from atorvastatin-modified bone marrow dendritic cells ameliorate experimental autoimmune myasthenia gravis by up-regulated levels of IDO/Treg and partly dependent on FasL/Fas pathway. 2016 , 13, 8	23
984	Plant derived edible nanoparticles as a new therapeutic approach against diseases. 2016 , 4, e1134415	119
983	Development of exosome surface display technology in living human cells. 2016 , 472, 53-9	90
982	Colorectal cancer-derived microvesicles modulate differentiation of human monocytes to macrophages. 2016 , 14, 36	35
981	Enterovirus 71 transmission by exosomes establishes a productive infection in human neuroblastoma cells. 2016 , 52, 189-94	41
980	Proteinase 3 Is a Phosphatidylserine-binding Protein That Affects the Production and Function of Microvesicles. 2016 , 291, 10476-89	31
979	From structures to functions: insights into exosomes as promising drug delivery vehicles. 2016 , 4, 910-21	77
978	Exosomal MicroRNAs Are Diagnostic Biomarkers and Can Mediate Cell-Cell Communication in Renal Cell Carcinoma. 2016 , 2, 210-218	73
977	Extracellular Vesicles Originate from the Conceptus and Uterus During Early Pregnancy in Sheep. 2016 , 94, 56	87
976	Cellular Engineering with Membrane Fusogenic Liposomes to Produce Functionalized Extracellular Vesicles. 2016 , 8, 6790-5	58
975	Multi-Dimensional Nanostructures for Microfluidic Screening of Biomarkers: From Molecular Separation to Cancer Cell Detection. 2016 , 44, 847-62	12
974	Extracellular vesicles: new tool for joint repair and regeneration. 2016 , 12, 243-9	100
973	HIV Protocols. 2016 ,	
972	Minimally invasive genomic and transcriptomic profiling of visceral cancers by next-generation sequencing of circulating exosomes. 2016 , 27, 635-41	128

971	Exosomes from differentiating human skeletal muscle cells trigger myogenesis of stem cells and provide biochemical cues for skeletal muscle regeneration. 2016 , 222, 107-15	87
970	Role of extracellular vesicles in autoimmune diseases. 2016 , 15, 174-83	86
969	A microfluidic ExoSearch chip for multiplexed exosome detection towards blood-based ovarian cancer diagnosis. 2016 , 16, 489-96	382
968	Mimicking the Cell: Bio-Inspired Functions of Supramolecular Assemblies. 2016 , 116, 2023-78	204
967	Exosome-inspired targeting of cancer cells with enhanced affinity. 2016 , 4, 768-778	10
966	Toll-Like Receptor 4 Engagement Mediates Prolyl Endopeptidase Release from Airway Epithelia via Exosomes. 2016 , 54, 359-69	39
965	Nuclear Trapping through Inhibition of Exosomal Export by Indomethacin Increases Cytostatic Efficacy of Doxorubicin and Pixantrone. 2016 , 22, 395-404	75
964	Environmental Influences on Endothelial to Mesenchymal Transition in Developing Implanted Cardiovascular Tissue-Engineered Grafts. 2016 , 22, 58-67	12
963	Behavioral experiences as drivers of oligodendrocyte lineage dynamics and myelin plasticity. 2016 , 110, 548-562	34
962	Development of an aptasensor for electrochemical detection of exosomes. 2016 , 97, 88-93	155
961	Serum exosomes and cytokines promote a T-helper cell type 2 environment in the peripheral blood of glioblastoma patients. 2016 , 18, 206-15	53
960	Plasma membrane vesicles decorated with glycolipid-anchored antigens and adjuvants via protein transfer as an antigen delivery platform for inhibition of tumor growth. 2016 , 74, 231-44	27
959	Plasmonic Exosome Biosensors for Medical Diagnostics. 2016 , 249-272	
958	Hepatocyte exosomes mediate liver repair and regeneration via sphingosine-1-phosphate. 2016 , 64, 60-8	168
957	Circulating miRNAs as biomarkers for endocrine disorders. 2016 , 39, 1-10	13
956	Placenta-derived extracellular vesicles: their cargo and possible functions. 2017 , 29, 433-447	29
955	The modulation of co-stimulatory molecules by circulating exosomes in primary biliary cirrhosis. 2017 , 14, 276-284	37
954	Quantification of Exosomes. 2017 , 232, 1587-1590	89

953	Transmission of HBV DNA Mediated by Ceramide-Triggered Extracellular Vesicles. 2017 , 3, 272-283	23
952	Aptamers for CD Antigens: From Cell Profiling to Activity Modulation. 2017 , 6, 29-44	27
951	Re-Engineering Extracellular Vesicles as Smart Nanoscale Therapeutics. 2017 , 11, 69-83	286
950	Exosome-SIRP α CD47 blockade increases cancer cell phagocytosis. 2017 , 121, 121-129	159
949	Hepatitis B Virus-Encoded MicroRNA Controls Viral Replication. 2017 , 91,	49
948	Exosomes: Key mediators of metastasis and pre-metastatic niche formation. 2017 , 67, 3-10	144
947	Extracellular vesicle mediated intercellular communication at the porcine maternal-fetal interface: A new paradigm for conceptus-endometrial cross-talk. 2017 , 7, 40476	82
946	Intracellular fate of <i>Ureaplasma parvum</i> entrapped by host cellular autophagy. 2017 , 6, e00441	11
945	RNA in extracellular vesicles. 2017 , 8, e1413	245
944	The role of exosomes in hepatitis, liver cirrhosis and hepatocellular carcinoma. 2017 , 21, 986-992	40
943	RAB27A, RAB27B and VPS36 are downregulated in advanced prostate cancer and show functional relevance in prostate cancer cells. 2017 , 50, 920-932	23
942	Stem Cell Technology in Cardiac Regeneration: A Pluripotent Stem Cell Promise. 2017 , 16, 30-40	63
941	The role of exosomes in cancer metastasis. 2017 , 44, 170-181	234
940	Prognostic role of circulating exosomal miRNAs in multiple myeloma. 2017 , 129, 2429-2436	161
939	Extracellular vesicles: An overview of biogenesis, function, and role in breast cancer. 2017 , 39, 1010428317691182	182
938	Exosome-based immunomodulation during aging: A nano-perspective on inflamm-aging. 2017 , 168, 44-53	51
937	Virus-Mimetic Fusogenic Exosomes for Direct Delivery of Integral Membrane Proteins to Target Cell Membranes. 2017 , 29, 1605604	65
936	Exosome separation using microfluidic systems: size-based, immunoaffinity-based and dynamic methodologies. 2017 , 12, 1600699	103

935	Accurate quantitation of circulating cell-free mitochondrial DNA in plasma by droplet digital PCR. 2017 , 409, 2727-2735	18
934	Nanoplasmonic Quantification of Tumor-derived Extracellular Vesicles in Plasma Microsamples for Diagnosis and Treatment Monitoring. 2017 , 1,	210
933	DNA vaccines for prostate cancer. 2017 , 174, 27-42	25
932	<i>C. elegans</i> neurons jettison protein aggregates and mitochondria under neurotoxic stress. 2017 , 542, 367-371	176
931	The Role of Exosomal VP40 in Ebola Virus Disease. 2017 , 36, 243-248	22
930	A direct-imaging cryo-EM study of shedding extracellular vesicles from leukemic monocytes. 2017 , 198, 177-185	32
929	Systematic Analysis of Cell-Type Differences in the Epithelial Secretome Reveals Insights into the Pathogenesis of Respiratory Syncytial Virus-Induced Lower Respiratory Tract Infections. 2017 , 198, 3345-3364	36
928	Biomonitoring. 2017 , 125-158	3
927	Acridine Orange/exosomes increase the delivery and the effectiveness of Acridine Orange in human melanoma cells: A new prototype for theranostics of tumors. 2017 , 32, 648-657	71
926	Effect of age on pro-inflammatory miRNAs contained in mesenchymal stem cell-derived extracellular vesicles. 2017 , 7, 43923	44
925	MicroRNA-155 Controls Exosome Synthesis and Promotes Gemcitabine Resistance in Pancreatic Ductal Adenocarcinoma. 2017 , 7, 42339	141
924	Exosome-delivered EGFR regulates liver microenvironment to promote gastric cancer liver metastasis. 2017 , 8, 15016	285
923	Rapid magnetic isolation of extracellular vesicles via lipid-based nanoprobe. 2017 , 1,	127
922	Functional Delivery of Lipid-Conjugated siRNA by Extracellular Vesicles. 2017 , 25, 1580-1587	99
921	Regulatory T cells: tolerance induction in solid organ transplantation. 2017 , 189, 197-210	41
920	Characterization of the chondrocyte secretome in photoclickable poly(ethylene glycol) hydrogels. 2017 , 114, 2096-2108	16
919	Exosomal MicroRNA Transfer Into Macrophages Mediates Cellular Postconditioning. 2017 , 136, 200-214	176
918	Extracellular Vesicles in Angiogenesis. 2017 , 120, 1658-1673	300

917	Exosomes in Toxicology: Relevance to Chemical Exposure and Pathogenesis of Environmentally Linked Diseases. 2017 , 158, 3-13	31
916	CD63-Mediated Antigen Delivery into Extracellular Vesicles via DNA Vaccination Results in Robust CD8 T Cell Responses. 2017 , 198, 4707-4715	20
915	Circulating microRNAs as Novel Biomarkers in Cardiovascular Disease: Basic and Technical Principles. 2017 , 83-101	1
914	Quantum dot-based sensitive detection of disease specific exosome in serum. 2017 , 142, 2211-2219	104
913	Augmented liver targeting of exosomes by surface modification with cationized pullulan. 2017 , 57, 274-284	68
912	Elevated levels of circulating exosome in COPD patients are associated with systemic inflammation. 2017 , 132, 261-264	47
911	Extracellular vesicles regulate the human osteoclastogenesis: divergent roles in discrete inflammatory arthropathies. 2017 , 74, 3599-3611	25
910	MicroRNA-21 Is Required for Local and Remote Ischemic Preconditioning in Multiple Organ Protection Against Sepsis. 2017 , 45, e703-e710	46
909	Exosome-Like Vesicles Derived from Adipose Tissue Provide Biochemical Cues for Adipose Tissue Regeneration. 2017 , 23, 1221-1230	28
908	Imaging and Therapeutic Potential of Extracellular Vesicles. 2017 , 43-68	6
907	Caspase-8 controls the secretion of inflammatory lysyl-tRNA synthetase in exosomes from cancer cells. 2017 , 216, 2201-2216	47
906	Novel human neuronal tau model exhibiting neurofibrillary tangles and transcellular propagation. 2017 , 106, 222-234	33
905	Identification of exosomal muscle-specific miRNAs in serum of myotonic dystrophy patients relating to muscle disease progress. 2017 , 26, 3285-3302	26
904	Shields Up-Systemic Protection Provided by microRNA-21 During Sepsis?. 2017 , 45, 1261-1263	
903	Milk miRNAs encapsulated in exosomes are stable to human digestion and permeable to intestinal barrier in vitro. 2017 , 34, 431-439	49
902	Exosomes in Cardiovascular Medicine. 2017 , 6, 225-237	16
901	HFE genotype affects exosome phenotype in cancer. 2017 , 1861, 1921-1928	9
900	Systematic comparison of exosomal proteomes from human saliva and serum for the detection of lung cancer. 2017 , 982, 84-95	75

899	Metalloproteinases in extracellular vesicles. 2017 , 1864, 1989-2000	72
898	Proceedings of the ISEV symposium on "HIV, NeuroAIDS, drug abuse & EVs". 2017 , 6, 1294360	2
897	Normal and Cancerous Tissues Release Extrachromosomal Circular DNA (eccDNA) into the Circulation. 2017 , 15, 1197-1205	91
896	Proteinase 3: the odd one out that became an autoantigen. 2017 , 102, 689-698	21
895	Exosomes Derived From Hypoxic Colorectal Cancer Cells Promote Angiogenesis Through Wnt4-Induced β Catenin Signaling in Endothelial Cells. 2017 , 25, 651-661	89
894	Exosomal Markers (CD63 and CD9) Expression Pattern Using Immunohistochemistry in Resected Malignant and Nonmalignant Pancreatic Specimens. 2017 , 46, 782-788	40
893	Lipidomic Profiles in Diabetes and Dementia. 2017 , 59, 433-444	21
892	Fusion and fission of molecular assemblies of amphiphilic polypeptides generating small vesicles from nanotubes. 2017 , 108, e22903	3
891	The Role of Heat Shock Proteins in Reproductive System Development and Function. 2017 ,	2
890	Hypothesis: Exosomal microRNAs as potential biomarkers for schizophrenia. 2017 , 103, 21-25	6
889	The Potential Functions of Small Heat Shock Proteins in the Uterine Musculature during Pregnancy. 2017 , 222, 95-116	4
888	Immunopathology in Toxicology and Drug Development. 2017 ,	0
887	Non-coding RNAs in the Vasculature. 2017 ,	
886	Platelet-Derived Microparticles. 2017 , 379-392	4
885	Polyomavirus microRNAs circulating in biological fluids during viral persistence. 2017 , 27, e1927	20
884	TLR-exosomes exhibit distinct kinetics and effector function. 2017 , 7, 41623	15
883	Exosomes as a platform for "liquid biopsy" in pancreatic cancer. 2017 , 3, 013005	4
882	Insight into pathogenesis of Sjögren's syndrome: Dissection on autoimmune infiltrates and epithelial cells. 2017 , 182, 30-40	44

881	Exosomes and Neuroregulation. 2017 , 313-328	
880	Comparative proteomic analysis of milk-derived exosomes in human and bovine colostrum and mature milk samples by iTRAQ-coupled LC-MS/MS. 2017 , 92, 17-25	56
879	Acquisition of Phage Sensitivity by Bacteria through Exchange of Phage Receptors. 2017 , 168, 186-199.e12	66
878	Intra- or extra-exosomal secretion of HDGF isoforms: the extraordinary function of the HDGF-A N-terminal peptide. 2017 , 398, 793-811	3
877	Salivary Diagnostics Using Purified Nucleic Acids. 2017 , 1537, 3-15	4
876	Exosomes and Microvesicles. 2017 ,	7
875	Liver, Lung and Heart Regeneration. 2017 ,	
874	Circulating microRNAs: Possible role as non-invasive diagnostic biomarkers in liver disease. 2017 , 41, 370-377	13
873	The Importance of Standardization on Analyzing Circulating RNA. 2017 , 21, 259-268	34
872	Look who's talking-the crosstalk between oxidative stress and autophagy supports exosomal-dependent release of HCV particles. 2017 , 33, 211-231	23
871	Salivary biomarkers in cancer detection. 2017 , 34, 7	87
870	Bioinformatics Tools for Extracellular Vesicles Research. 2017 , 1545, 189-196	11
869	Purification and Analysis of Exosomes Released by Mature Cortical Neurons Following Synaptic Activation. 2017 , 1545, 129-138	13
868	Exosomes and breast cancer: a comprehensive review of novel therapeutic strategies from diagnosis to treatment. 2017 , 24, 6-12	44
867	Cell Therapy in Chronic Liver Disease. 2017 , 15-39	
866	Enhancement of the Intrinsic Peroxidase-Like Activity of Graphitic Carbon Nitride Nanosheets by ssDNAs and Its Application for Detection of Exosomes. 2017 , 89, 12327-12333	156
865	Isolation and characterization of urinary extracellular vesicles: implications for biomarker discovery. 2017 , 13, 731-749	208
864	Plasma membrane-derived extracellular microvesicles mediate non-canonical intercellular NOTCH signaling. 2017 , 8, 709	55

863	Exosomal surface protein markers in diagnosis of colorectal cancer. 2017 , 51, 659-665	5
862	Circulating microRNAs as a biomarker to predict therapy efficacy in hepatitis C patients with different genotypes. 2017 , 112, 320-326	8
861	MicroRNAs: A novel potential biomarker for diagnosis and therapy in patients with non-small cell lung cancer. 2017 , 50,	71
860	Extracellular Vesicles. 2017 ,	7
859	Exosomes from Human-Induced Pluripotent Stem Cell-Derived Mesenchymal Stromal Cells (hiPSC-MSCs) Protect Liver against Hepatic Ischemia/ Reperfusion Injury via Activating Sphingosine Kinase and Sphingosine-1-Phosphate Signaling Pathway. 2017 , 43, 611-625	77
858	Protein and chemotherapy profiling of extracellular vesicles harvested from therapeutic induced senescent triple negative breast cancer cells. 2017 , 6, e388	54
857	Extracellular vesicles as emerging targets in cancer: Recent development from bench to bedside. 2017 , 1868, 538-563	76
856	High-purity capture and release of circulating exosomes using an exosome-specific dual-patterned immunofiltration (ExoDIF) device. 2017 , 9, 13495-13505	76
855	Effects of storage temperature on airway exosome integrity for diagnostic and functional analyses. 2017 , 6, 1359478	125
854	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. 2017 , 129, 12078-12082	29
853	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. 2017 , 56, 11916-11920	281
852	Antigen-presenting dendritic cells in atherosclerosis. 2017 , 816, 25-31	27
851	Extracellular Vesicles: A Brief Overview and Its Role in Precision Medicine. 2017 , 1660, 1-14	9
850	Characterization of Extracellular Vesicles by Size-Exclusion High-Performance Liquid Chromatography (HPLC). 2017 , 1660, 191-199	8
849	Size Exclusion Chromatography: A Simple and Reliable Method for Exosome Purification. 2017 , 1660, 105-110	30
848	SERS analysis of selectively captured exosomes using an integrin-specific peptide ligand. 2017 , 48, 1771-1776	38
847	Glioma progression through the prism of heat shock protein mediated extracellular matrix remodeling and epithelial to mesenchymal transition. 2017 , 359, 299-311	35
846	Regenerative Stem Cell Therapy Optimization via Tissue Engineering in Heart Failure with Reduced Ejection Fraction. 2017 , 8, 515-526	3

845	Cancer-derived exosomes as a delivery platform of CRISPR/Cas9 confer cancer cell tropism-dependent targeting. 2017 , 266, 8-16	196
844	Exosomes carrying gag/env of ALV-J possess negative effect on immunocytes. 2017 , 112, 142-147	6
843	Liquid Biopsies in Head and Neck Cancer Patients. 2017 , 195-200	
842	Mutant Huntingtin Inhibits B-Crystallin Expression and Impairs Exosome Secretion from Astrocytes. 2017 , 37, 9550-9563	43
841	Exosomes Derived from Embryonic Stem Cells as Potential Treatment for Cardiovascular Diseases. 2017 , 998, 187-206	10
840	Exosomes: Outlook for Future Cell-Free Cardiovascular Disease Therapy. 2017 , 998, 285-307	12
839	Pathological Effects of Exosomes in Mediating Diabetic Cardiomyopathy. 2017 , 998, 113-138	23
838	Immune activated monocyte exosomes alter microRNAs in brain endothelial cells and initiate an inflammatory response through the TLR4/MyD88 pathway. 2017 , 7, 9954	48
837	The major histocompatibility complex class I immunopeptidome of extracellular vesicles. 2017 , 292, 17084-17092	
836	Exosomal HSP60: a potentially useful biomarker for diagnosis, assessing prognosis, and monitoring response to treatment. 2017 , 17, 815-822	59
835	Extracellular vesicles released following heat stress induce bystander effect in unstressed populations. 2017 , 6, 1340746	42
834	Pregnancy and spontaneous fetal loss: A pig perspective. 2017 , 84, 856-869	30
833	Natural extracellular nanovesicles and photodynamic molecules: is there a future for drug delivery?. 2017 , 32, 908-916	35
832	The role of secreted heat shock protein-90 (Hsp90) in wound healing - how could it shape future therapeutics?. 2017 , 14, 665-675	18
831	Recent advances on extracellular vesicles in therapeutic delivery: Challenges, solutions, and opportunities. 2017 , 119, 381-395	26
830	Human milk exosomes and their microRNAs survive digestion in vitro and are taken up by human intestinal cells. 2017 , 61, 1700082	143
829	Therapeutic application of extracellular vesicles in acute and chronic renal injury. 2017 , 37, 126-137	3
828	Liquid Biopsy in Cancer Patients. 2017 ,	5

827	Phase I study of salazosulfapyridine in combination with cisplatin and pemetrexed for advanced non-small-cell lung cancer. 2017 , 108, 1843-1849	27
826	Exosomes containing miR-21 transfer the characteristic of cisplatin resistance by targeting PTEN and PDCD4 in oral squamous cell carcinoma. 2017 , 49, 808-816	74
825	Impact of cell culture parameters on production and vascularization bioactivity of mesenchymal stem cell-derived extracellular vesicles. 2017 , 2, 170-179	82
824	Immunoaffinity based methods are superior to kits for purification of prostate derived extracellular vesicles from plasma samples. 2017 , 77, 1335-1343	45
823	Microfluidics for exosome isolation and analysis: enabling liquid biopsy for personalized medicine. 2017 , 17, 3558-3577	306
822	Exosomal microRNA communication between tissues during organogenesis. 2017 , 14, 1683-1689	33
821	Surface Plasmon Resonance is an Analytically Sensitive Method for Antigen Profiling of Extracellular Vesicles. 2017 , 63, 1633-1641	23
820	The biology, function and clinical implications of exosomes in lung cancer. 2017 , 407, 84-92	56
819	HSP90: a promising broad-spectrum antiviral drug target. 2017 , 162, 3269-3282	39
818	Receptor Targeted Polymeric Nanostructures Capable of Navigating across the Blood-Brain Barrier for Effective Delivery of Neural Therapeutics. 2017 , 8, 2105-2117	10
817	Plasma-derived exosome characterization reveals a distinct microRNA signature in long duration Type 1 diabetes. 2017 , 7, 5998	88
816	High-Resolution Single Particle Zeta Potential Characterisation of Biological Nanoparticles using Tunable Resistive Pulse Sensing. 2017 , 7, 17479	97
815	Effects of exosome on the activation of CD4+ T cells in rhesus macaques: a potential application for HIV latency reactivation. 2017 , 7, 15611	26
814	A signal-amplifiable biochip quantifies extracellular vesicle-associated RNAs for early cancer detection. 2017 , 8, 1683	68
813	Exosomes: biology, therapeutic potential, and emerging role in musculoskeletal repair and regeneration. 2017 , 1410, 57-67	33
812	LAMPs: Shedding light on cancer biology. 2017 , 44, 239-253	47
811	Pre-metastatic cancer exosomes induce immune surveillance by patrolling monocytes at the metastatic niche. 2017 , 8, 1319	164
810	Concise Review: Challenges in Regenerating the Diabetic Heart: A Comprehensive Review. 2017 , 35, 2009-2026	9

809	Macrophage exosomes as natural nanocarriers for protein delivery to inflamed brain. 2017 , 142, 1-12	252
808	Blood neuron-derived exosomes as biomarkers of cognitive impairment in HIV. 2017 , 31, F9-F17	64
807	Extracellular vesicles: Novel promising delivery systems for therapy of brain diseases. 2017 , 262, 247-258	169
806	Proteomics Profiling of Exosomes from Primary Mouse Osteoblasts under Proliferation versus Mineralization Conditions and Characterization of Their Uptake into Prostate Cancer Cells. 2017 , 16, 2709-2728	30
805	Genome-wide analysis of gene expression and protein secretion of Babesia canis during virulent infection identifies potential pathogenicity factors. 2017 , 7, 3357	16
804	PRAS40 Connects Microenvironmental Stress Signaling to Exosome-Mediated Secretion. 2017 , 37,	23
803	Parkinson's disease biomarkers: perspective from the NINDS Parkinson's Disease Biomarkers Program. 2017 , 11, 451-473	33
802	Increased PSA expression on prostate cancer exosomes in in vitro condition and in cancer patients. 2017 , 403, 318-329	136
801	Extracellular Vesicles as Biomarkers and Therapeutics in Dermatology: A Focus on Exosomes. 2017 , 137, 1622-1629	39
800	Detection of dietetically absorbed maize-derived microRNAs in pigs. 2017 , 7, 645	53
799	Revelation of mRNAs and proteins in porcine milk exosomes by transcriptomic and proteomic analysis. 2017 , 13, 101	21
798	Extracellular vesicles in gastrointestinal cancer in conjunction with microbiota: On the border of Kingdoms. 2017 , 1868, 372-393	25
797	Systemic Administration of Exosomes Released from Mesenchymal Stromal Cells Attenuates Apoptosis, Inflammation, and Promotes Angiogenesis after Spinal Cord Injury in Rats. 2017 , 34, 3388-3396	142
796	Extracellular vesicles mediate intercellular communication: Transfer of functionally active microRNAs by microvesicles into phagocytes. 2017 , 47, 1535-1549	27
795	Platelets, circulating tumor cells, and the circulome. 2017 , 36, 235-248	43
794	Myeloid-derived suppressor cells and tumor escape from immune surveillance. 2017 , 39, 295-305	49
793	Effect of shear stress in the flow through the sampling needle on concentration of nanovesicles isolated from blood. 2017 , 98, 17-29	16
792	Applications of DNA-Based Liquid Biopsy for Central Nervous System Neoplasms. 2017 , 19, 24-34	43

791	Exosomes in immunoregulation of chronic lung diseases. 2017 , 72, 534-544	46
790	Comprehensive proteome profiling of glioblastoma-derived extracellular vesicles identifies markers for more aggressive disease. 2017 , 131, 233-244	64
789	Affinity purification of bacterial outer membrane vesicles (OMVs) utilizing a His-tag mutant. 2017 , 168, 139-146	25
788	Advancements in microfluidics for nanoparticle separation. 2016 , 17, 11-33	121
787	An Electrochemical Method for the Detection of Disease-Specific Exosomes. 2017 , 4, 967-971	56
786	Therapeutic application of extracellular vesicles in acute and chronic renal injury. 2017 , 37, 126-137	8
785	Point-of-care detection of extracellular vesicles: Sensitivity optimization and multiple-target detection. 2017 , 87, 38-45	54
784	Methods for the physical characterization and quantification of extracellular vesicles in biological samples. 2017 , 1861, 3164-3179	102
783	The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis. 2017 , 55, 1-9	13
782	The role of extracellular vesicles in neurodegenerative diseases. 2017 , 483, 1178-1186	106
781	Cellular or Exosomal microRNAs Associated with CCN Gene Expression in Liver Fibrosis. 2017 , 1489, 465-480	6
780	Effect of pH on the isolation of urinary exosome. 2017 , 49, 165-169	14
779	Cell type-specific and common characteristics of exosomes derived from mouse cell lines: Yield, physicochemical properties, and pharmacokinetics. 2017 , 96, 316-322	119
778	Proteomic Analysis of Exosomes and Exosome-Free Conditioned Media From Human Osteosarcoma Cell Lines Reveals Secretion of Proteins Related to Tumor Progression. 2017 , 118, 351-360	56
777	In vitro toxicology studies of extracellular vesicles. 2017 , 37, 310-318	27
776	MiR-5100 promotes osteogenic differentiation by targeting Tob2. 2017 , 35, 608-615	13
775	Functional Roles for Exosomal MicroRNAs in the Tumour Microenvironment. 2017 , 15, 8-13	53
774	Disassembly of the Dying: Mechanisms and Functions. 2017 , 27, 151-162	95

773	The functional role of exosome microRNAs in lung cancer. 2017 , 12, 223-227	4
772	Role of plasma membrane surface charges in dictating the feasibility of membrane-nanoparticle interactions. 2017 , 111, 263702	9
771	Role of exosomes in hepatocellular carcinoma cell mobility alteration. 2017 , 14, 8122-8131	16
770	Mesenchymal stromal cell-derived extracellular vesicles attenuate lung ischemia-reperfusion injury and enhance reconditioning of donor lungs after circulatory death. 2017 , 18, 212	80
769	[Circulating exosomal microRNA as biomarkers in multiple myeloma]. 2017 , 33, 939-941	0
768	The Multiple Roles of Exosomes in Metastasis. 2017 , 14, 1-15	124
767	Cross-Talk Between Hypoxia and the Tumour via Exosomes. 2017 ,	
766	Exosome-Based Cancer Therapy: Implication for Targeting Cancer Stem Cells. 2016 , 7, 533	118
765	Circulating ECV-Associated miRNAs as Potential Clinical Biomarkers in Early Stage HBV and HCV Induced Liver Fibrosis. 2017 , 8, 56	32
764	Exosomes Derived from Dendritic Cells Treated with Soluble Egg Antigen Attenuate DSS-Induced Colitis. 2017 , 8, 651	42
763	Low-Intensity Ultrasound-Induced Anti-inflammatory Effects Are Mediated by Several New Mechanisms Including Gene Induction, Immunosuppressor Cell Promotion, and Enhancement of Exosome Biogenesis and Docking. 2017 , 8, 818	39
762	Progress in Exosome Isolation Techniques. 2017 , 7, 789-804	826
761	Exosomes and Other Extracellular Vesicles in HPV Transmission and Carcinogenesis. 2017 , 9,	36
760	miRNAs, Melanoma and Microenvironment: An Intricate Network. 2017 , 18,	32
759	Extracellular Vesicles Released by Oxidatively Injured or Intact C2C12 Myotubes Promote Distinct Responses Converging toward Myogenesis. 2017 , 18,	24
758	microRNAs in Parkinson's Disease: From Pathogenesis to Novel Diagnostic and Therapeutic Approaches. 2017 , 18,	129
757	"Omics" in Human Colostrum and Mature Milk: Looking to Old Data with New Eyes. 2017 , 9,	44
756	Interplay between Autophagy, Exosomes and HIV-1 Associated Neurological Disorders: New Insights for Diagnosis and Therapeutic Applications. 2017 , 9,	37

755	The Telomeric Response to Viral Infection. 2017 , 9,	12
754	Mesenchymal stem cells release exosomes that transfer miRNAs to endothelial cells and promote angiogenesis. 2017 , 8, 45200-45212	198
753	Neural Stem Cell Plasticity: Advantages in Therapy for the Injured Central Nervous System. 2017 , 5, 52	30
752	Exosomes in Cancer Diagnostics. 2017 , 9,	200
751	Exosomes: From Garbage Bins to Promising Therapeutic Targets. 2017 , 18,	253
750	Fueling Inflamm-Aging through Mitochondrial Dysfunction: Mechanisms and Molecular Targets. 2017 , 18,	85
749	Association of Extracellular Membrane Vesicles with Cutaneous Wound Healing. 2017 , 18,	40
748	The Methods of Choice for Extracellular Vesicles (EVs) Characterization. 2017 , 18,	219
747	Peptidylarginine Deiminases-Roles in Cancer and Neurodegeneration and Possible Avenues for Therapeutic Intervention via Modulation of Exosome and Microvesicle (EMV) Release?. 2017 , 18,	44
746	Expression of Serum Exosomal and Esophageal MicroRNA in Rat Reflux Esophagitis. 2017 , 18,	2
745	Tumor-Secreted Factors That Induce Mesenchymal Stromal Cell Chemotaxis. 2017 , 193-214	1
744	Cross Talk between Adipose Tissue and Placenta in Obese and Gestational Diabetes Mellitus Pregnancies Exosomes. 2017 , 8, 239	50
743	Exosomes Isolated from Ascites of T-Cell Lymphoma-Bearing Mice Expressing Surface CD24 and HSP-90 Induce a Tumor-Specific Immune Response. 2017 , 8, 286	40
742	Comparative Gene Expression Analysis of Lymphocytes Treated with Exosomes Derived from Ovarian Cancer and Ovarian Cysts. 2017 , 8, 607	12
741	MicroRNA: Dynamic Regulators of Macrophage Polarization and Plasticity. 2017 , 8, 1062	84
740	Extracellular Vesicles Arising from Apoptotic Cells in Tumors: Roles in Cancer Pathogenesis and Potential Clinical Applications. 2017 , 8, 1174	32
739	Retroviruses As Myeloid Cell Riders: What Natural Human Siglec-1 "Knockouts" Tell Us About Pathogenesis. 2017 , 8, 1593	5
738	Novel Therapy for Glioblastoma Multiforme by Restoring LRRC4 in Tumor Cells: LRRC4 Inhibits Tumor-Infiltrating Regulatory T Cells by Cytokine and Programmed Cell Death 1-Containing Exosomes. 2017 , 8, 1748	20

737	Asymmetric RNA Distribution among Cells and Their Secreted Exosomes: Biomedical Meaning and Considerations on Diagnostic Applications. 2017 , 4, 66	31
736	Perspective Insights of Exosomes in Neurodegenerative Diseases: A Critical Appraisal. 2017 , 9, 317	55
735	Investigation of Endocytic Pathways for the Internalization of Exosome-Associated Oligomeric Alpha-Synuclein. 2017 , 11, 172	55
734	Structure and function of Helicobacter pylori CagA, the first-identified bacterial protein involved in human cancer. 2017 , 93, 196-219	83
733	The Contribution of -Synuclein Spreading to Parkinson's Disease Synaptopathy. 2017 , 2017, 5012129	46
732	Current Perspectives on In Vivo Noninvasive Tracking of Extracellular Vesicles with Molecular Imaging. 2017 , 2017, 9158319	72
731	The applications of liquid biopsy in resistance surveillance of anaplastic lymphoma kinase inhibitor. 2017 , 9, 801-811	7
730	Novel Implications of Exosomes and lncRNAs in the Diagnosis and Treatment of Pancreatic Cancer. 2017 ,	1
729	Nucleolin-targeted Extracellular Vesicles as a Versatile Platform for Biologics Delivery to Breast Cancer. 2017 , 7, 1360-1372	92
728	Oxygen tension regulates the miRNA profile and bioactivity of exosomes released from extravillous trophoblast cells - Liquid biopsies for monitoring complications of pregnancy. 2017 , 12, e0174514	68
727	Cellular and exosome mediated molecular defense mechanism in bovine granulosa cells exposed to oxidative stress. 2017 , 12, e0187569	75
726	Alterations of HSC Niche in Myeloid Malignancies. 2017 , 123-153	
725	Exosomes derived from gemcitabine-resistant cells transfer malignant phenotypic traits via delivery of miRNA-222-3p. 2017 , 16, 132	133
724	Role of exosomal proteins in cancer diagnosis. 2017 , 16, 145	191
723	Immunological challenges associated with artificial skin grafts: available solutions and stem cells in future design of synthetic skin. 2017 , 11, 49	38
722	Exosomal proteins as potential markers of tumor diagnosis. 2017 , 10, 175	94
721	Exosomes isolated from cancer patients' sera transfer malignant traits and confer the same phenotype of primary tumors to oncosuppressor-mutated cells. 2017 , 36, 113	33
720	Exosomes from embryonic mesenchymal stem cells alleviate osteoarthritis through balancing synthesis and degradation of cartilage extracellular matrix. 2017 , 8, 189	216

719	Elevated LRRK2 autophosphorylation in brain-derived and peripheral exosomes in LRRK2 mutation carriers. 2017 , 5, 86	46
718	The 150 most important questions in cancer research and clinical oncology series: questions 57-66 : Edited by Chinese Journal of Cancer. 2017 , 36, 79	1
717	Saliva-Exosomics in Cancer: Molecular Characterization of Cancer-Derived Exosomes in Saliva. 2017 , 42, 125-151	43
716	Detection of phosphatidylserine-positive exosomes as a diagnostic marker for ovarian malignancies: a proof of concept study. 2017 , 8, 14395-14407	58
715	Extracellular Vesicle-Associated RNA as a Carrier of Epigenetic Information. 2017 , 8,	28
714	Proteomic analysis of extracellular vesicles from a Kenyan clinical isolate defines a core parasite secretome. 2017 , 2, 50	18
713	Exosomes as the Promising Biomarker for Epstein-Barr Virus (EBV)-Associated Cancers. 2017 ,	
712	MicroRNA composition delineates cardiosphere-derived cell and mesenchymal stem cell extracellular vesicles.	
711	From circRNAs to fusion circRNAs in hematological malignancies. 2021 , 6,	0
710	Phospholipids in small extracellular vesicles: emerging regulators of neurodegenerative diseases and cancer. 2021 ,	1
709	Emerging Functions and Clinical Applications of Exosomal ncRNAs in Ovarian Cancer. 2021 , 11, 765458	4
708	Exosomes: Promising nanocarrier for cancer therapy.	0
707	The Biology and Function of Extracellular Vesicles in Cancer Development. 2021 , 9, 777441	7
706	Autophagy induced by Schwann cell-derived exosomes promotes recovery after spinal cord injury in rats. 2021 , 1	1
705	Affibody Functionalized Beads for the Highly Sensitive Detection of Cancer Cell-Derived Exosomes. 2021 , 22,	0
704	Exosome-Mediated Insulin Delivery for the Potential Treatment of Diabetes Mellitus. 2021 , 13,	2
703	Ivermectin inhibits extracellular vesicle secretion from parasitic nematodes.	
702	Exosomes: Natural Nanoparticles with Therapeutic Potential. 2020 , 15, 415-427	

701	Prion protein interactions and TSE infections in cell culture models. 2005 , 141-153	
700	Fusogenic Membrane Glycoproteins for Cancer Gene Therapy. 2005 , 65-80	
699	Single extracellular vesicles protein profiling classifies renal fibrosis stages in mice model.	
698	Exosomes: Pros and Cons for Fighting Cancer. 2021 , 373-382	
697	Tasmanian devil facial tumor-derived extracellular vesicles reveal mesenchymal transition markers and adhesion molecules related to metastasis.	
696	Lithographically-prepared gold nanobowls to detect mesoscale target analytes. 2020 , 10, 3185	0
695	Extracellular Vesicles: Stealth Transport Aircrafts For Drugs.	0
694	Exosomal microRNAs: Potential Biomarkers for Cancer Diagnosis, Treatment Response and Prognosis. 2021 , 321-336	0
693	Exosomes in Neurodegenerative Disorders. 2021 , 183-206	
692	Exosome nanovesicles displaying G protein-coupled receptors for drug discovery. 2007 , 2, 751-60	22
691	Non-cell-autonomous RNA interference in mammalian cells: Implications for in vivo cell-based RNAi delivery. 2011 , 7, 456-63	7
690	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012 , 1, 217-25	53
689	Exosome-mediated transfer from the tumor microenvironment increases TGF β signaling in squamous cell carcinoma. 2016 , 8, 2432-7	49
688	Defective quorum sensing of acute lymphoblastic leukemic cells: evidence of collective behavior of leukemic populations as semi-autonomous aberrant ecosystems. 2016 , 6, 1177-230	5
687	Let-7a inhibits migration of melanoma cells via down-regulation of HMGA2 expression. 2016 , 8, 3656-3665	6
686	The Basics of Artificial Antigen Presenting Cells in T Cell-Based Cancer Immunotherapies. 2017 , 2, 68-79	17
685	Exosomal TGF- β is correlated with lymphatic metastasis of gastric cancers. 2017 , 7, 2199-2208	31
684	Hypoxia increases amyloid- β level in exosomes by enhancing the interaction between CD147 and Hook1. 2018 , 10, 150-163	4

683	Exosome-related lncRNAs as predictors of HCC patient survival: a prognostic model. 2018 , 10, 1648-1662	13
682	Exosomes derived from human umbilical cord mesenchymal stem cells alleviate inflammatory bowel disease in mice through ubiquitination. 2018 , 10, 2026-2036	28
681	Exosome mediated multidrug resistance in cancer. 2018 , 8, 2210-2226	16
680	Exosomes in cancer therapy: a novel experimental strategy. 2018 , 8, 2165-2175	21
679	Immunologic Role of Extracellular Vesicles and Exosomes in the Pathogenesis of Cystic Fibrosis. 2018 , 17, 66-72	7
678	Exosome-mediated miRNA delivery promotes liver cancer EMT and metastasis. 2020 , 12, 1080-1095	11
677	Extracellular vesicles and its advances in female reproduction. 2020 , 16, 31-38	2
676	Extracellular vesicles in Inter-Kingdom communication in gastrointestinal cancer. 2021 , 11, 1087-1103	1
675	A review of gliomas-related proteins. Characteristics of potential biomarkers. 2021 , 11, 3425-3444	1
674	Phenformin synergistically sensitizes liver cancer cells to sorafenib by downregulating CRAF/ERK and PI3K/AKT/mTOR pathways. 2021 , 13, 7508-7523	1
673	The potential role of exosomal circRNAs in the tumor microenvironment: insights into cancer diagnosis and therapy.. 2022 , 12, 87-104	4
672	Current status of intratumour microbiome in cancer and engineered exogenous microbiota as a promising therapeutic strategy. 2021 , 145, 112443	0
671	Targeting miR-185-3p Inhibits Head and Neck Squamous Cell Carcinoma by Modulating RAB25. 2021 , 11, 721416	
670	The Roles of Exosomes in Immunoregulation and Autoimmune Thyroid Diseases. 2021 , 12, 757674	3
669	Trimethylamine-N-oxide-stimulated hepatocyte-derived exosomes promote inflammation and endothelial dysfunction through nuclear factor-kappa B signaling.. 2021 , 9, 1670	3
668	sEVs selectively delivers antiviral siRNA to fetus brain, inhibits ZIKV infection and mitigates ZIKV-induced microcephaly in mouse model. 2021 ,	3
667	Chemotoxicity-induced exosomal lncFERO regulates ferroptosis and stemness in gastric cancer stem cells. 2021 , 12, 1116	4
666	New insights into Epstein-Barr virus-associated tumors: Exosomes (Review). 2022 , 47,	1

665	Micro/Nanopatterned Superhydrophobic Surfaces Fabrication for Biomolecules and Biomaterials Manipulation and Analysis.. 2021 , 12,	2
664	Advances of Exosomal miRNAs in Breast Cancer Progression and Diagnosis. 2021 , 11,	2
663	A Soluble PrP Derivative and Membrane-Anchored PrP in Extracellular Vesicles Attenuate Innate Immunity by Engaging the NMDA-R/LRP1 Receptor Complex. 2021 ,	3
662	Dynamic Landscape of Extracellular Vesicle-Associated Proteins Is Related to Treatment Response of Patients with Metastatic Breast Cancer. 2021 , 11,	1
661	Precision size and refractive index analysis of weakly scattering nanoparticles in polydispersions.	1
660	Extracellular vesicles derived from hypoxia-preconditioned olfactory mucosa mesenchymal stem cells enhance angiogenesis via miR-612. 2021 , 19, 380	8
659	Exosomes derived from microRNA-129-5p-modified tumor cells selectively enhanced suppressive effect in malignant behaviors of homologous colon cancer cells. 2021 , 12, 12148-12156	6
658	Identification of exosomal mRNA, lncRNA and circRNA signatures in an osteoarthritis synovial fluid-exosomal study. 2021 , 410, 112881	1
657	Mesenchymal Stem Cell-Derived Exosomes: The New Frontier for the Treatment of Intervertebral Disc Degeneration. 2021 , 11, 11222	0
656	Urinary exosomal vitronectin predicts vesicoureteral reflux in patients with neurogenic bladders and spinal cord injuries.. 2022 , 23, 65	2
655	Advances in Biosensors Technology for Detection and Characterization of Extracellular Vesicles. 2021 , 21,	2
654	Fatty Acid Metabolism Reprogramming in Advanced Prostate Cancer. 2021 , 11,	3
653	Exosomes as Potential Biomarkers for Erectile Dysfunction, Varicocele, and Testicular Injury. 2021 ,	2
652	An Exploration of Non-Coding RNAs in Extracellular Vesicles Delivered by Swine Anterior Pituitary.. 2021 , 12, 772753	1
651	Cellular and Molecular Phenotypes of pConsensus Peptide (pCons) Induced CD8 and CD4 Regulatory T Cells in Lupus. 2021 , 12, 718359	1
650	Emerging concepts in the treatment of optic neuritis: mesenchymal stem cell-derived extracellular vesicles. 2021 , 12, 594	0
649	A Synopsis of Signaling Crosstalk of Pericytes and Endothelial Cells in Salivary Gland.. 2021 , 9,	3
648	Vesicular and extravesicular protein analyses from the airspaces of ozone-exposed mice revealed signatures associated with mucoinflammatory lung disease. 2021 , 11, 23203	1

647	Small Extracellular Vesicles and COVID19-Using the "Trojan Horse" to Tackle the Giant.. 2021 , 10,	2
646	Inflammatory Components of the Thyroid Cancer Microenvironment: An Avenue for Identification of Novel Biomarkers. 2021 , 1350, 1-31	0
645	Alpha-synuclein spreading mechanisms in Parkinson's disease: The role of membrane receptors. 2021 , 2, 1-63	
644	SPR imaging for cellular analysis and detection. 2021 , 95, 185-236	0
643	Role of PAR-4 in Ceramide-Inducible Effects in Neurodegeneration. 2021 , 203-214	
642	Exosome-Transmitted Targets CCL18 to Inhibit the Proliferation and Metastasis of Urothelial Carcinoma.. 2021 , 8, 760748	0
641	Targeted EV to Deliver Chemotherapy to Treat Triple-Negative Breast Cancers.. 2022 , 14,	1
640	Proteome changes of plasma-derived extracellular vesicles in patients with myelodysplastic syndrome.. 2022 , 17, e0262484	1
639	RelB promotes the migration and invasion of prostate cancer DU145 cells via exosomal ICAM1 in vitro.. 2021 , 91, 110221	1
638	Multi-target polydiacetylene liposome-based biosensor for improved exosome detection. 2022 , 355, 131286	0
637	Determination of chemoresistance in ovarian cancer by simultaneous quantification of exosomes and exosomal cisplatin with surface enhanced Raman scattering. 2022 , 354, 131237	2
636	Extracellular vesicles and their role in peripheral nerve regeneration.. 2021 , 113968	0
635	The Potential of Exosomes in Allergy Immunotherapy.. 2022 , 10,	1
634	Emerging Role of Exosomal Long Non-coding RNAs in Spaceflight-Associated Risks in Astronauts.. 2021 , 12, 812188	0
633	Emerging Advances of Detection Strategies for Tumor-Derived Exosomes.. 2022 , 23,	2
632	Recent progress of macrophage vesicle-based drug delivery systems.. 2022 , 1	1
631	The critical role of STAT3 in biogenesis of tumor-derived exosomes with potency of inducing cancer cachexia in vitro and in vivo.. 2022 ,	1
630	Evaluation of exosomal non-coding RNAs in cancer using high-throughput sequencing.. 2022 , 20, 30	4

629	Caspase-1-mediated extracellular vesicles derived from pyroptotic alveolar macrophages promote inflammation in acute lung injury.. 2022 , 18, 1521-1538	1
628	Immune cell-derived small extracellular vesicles in cancer treatment. 2022 , 55, 48-56	2
627	The Importance of Small Extracellular Vesicles in the Cerebral Metastatic Process.. 2022 , 23,	0
626	Optimization of Isolation Method for Extracellular Vesicles from Pancreatic Juice and Impact of Protease Activity.. 2022 , 1	1
625	Emerging prospects of extracellular vesicles for brain disease theranostics.. 2021 ,	2
624	Review on Strategies and Technologies for Exosome Isolation and Purification.. 2021 , 9, 811971	21
623	Aptamer-Enabled Nanomaterials for Therapeutics, Drug Targeting and Imaging.. 2022 , 11,	3
622	The Role of Oxidative Stress in Intervertebral Disc Degeneration.. 2022 , 2022, 2166817	7
621	Exosomes and COVID-19: challenges and opportunities.. 2022 , 31, 1-8	1
620	Applications of Extracellular Vesicles in Triple-Negative Breast Cancer.. 2022 , 14,	4
619	Novel fusion peptides deliver exosomes to modify injectable thermo-sensitive hydrogels for bone regeneration.. 2022 , 13, 100195	4
618	Exosomes in cancer immunoediting and immunotherapy.. 2022 , 17, 193-205	0
617	Recent advances in exosome analysis assisted by functional nucleic acid-based signal amplification technologies. 2022 , 149, 116549	0
616	Noncoding RNAs in liver cancer patients. 2022 , 343-389	
615	The Role of Extracellular Vesicles in Immunomodulation and Pathogenesis of Leishmania and Other Protozoan Infections.	
614	Exosomal microRNAs as Potential Biomarkers and Therapeutic Agents for Acute Ischemic Stroke: New Expectations.. 2021 , 12, 747380	2
613	miR-204-containing exosomes ameliorate GVHD-associated dry eye disease.. 2022 , 8, eabj9617	4
612	Potential Application of Exosomes in Vaccine Development and Delivery.. 2022 , 1	1

611	Targeted Delivery of Exosomes Armed with Anti-Cancer Therapeutics.. 2022 , 12,	5
610	The Role and Application of Exosomes in Gastric and Colorectal Cancer.. 2021 , 12, 825475	1
609	Engineered mesenchymal stem cell-derived exosomes with high CXCR4 levels for targeted siRNA gene therapy against cancer.. 2022 ,	1
608	The therapeutic potential of immune cell-derived exosomes as an alternative to adoptive cell transfer. 2022 , 55, 39-47	3
607	Induced pluripotent stem cell-derived extracellular vesicles in regenerative medicine. 2022 , 507-527	
606	CircFBXW8 Acts an Oncogenic Role in the Malignant Progression of Non-small Cell Lung Carcinoma by miR-370-3p-Dependent Regulation of TRIM44.. 2022 , 1	1
605	Circulating ACE2-expressing extracellular vesicles block broad strains of SARS-CoV-2.. 2022 , 13, 405	13
604	PD-L1 in circulating exosomes of Merkel cell carcinoma.. 2022 ,	1
603	Semen extracellular vesicles mediate vertical transmission of subgroup J avian leukosis virus.. 2022 ,	0
602	Hyper-inflammatory responses in COVID-19 and anti-inflammatory therapeutic approaches. 2022 , 55, 11-19	3
601	Sialyl-Tn antigen facilitates extracellular vesicle-mediated transfer of FAK and enhances motility of recipient cells.. 2022 ,	
600	Construction of an exosome-functionalized graphene oxide based composite bionic smart drug delivery system and its anticancer activity.. 2022 ,	2
599	The application of exosomes and Exosome-nanoparticle in treating brain disorders. 2022 , 350, 118549	6
598	Engineering a dual-responsive, exosome-surface anchored DNA nanosensor for microenvironment monitoring .. 2022 ,	1
597	Generation and functional characterization of CAR exosomes.. 2022 , 167, 123-131	0
596	Current and prospective applications of exosomal microRNAs in pulmonary fibrosis (Review).. 2022 , 49,	0
595	Opportunities for Early Cancer Detection: The Rise of ctDNA Methylation-Based Pan-Cancer Screening Technologies.. 2022 , 6,	1
594	Differential Size Distribution and Estrogen Receptor Cargo of Oviductal Extracellular Vesicles at Various Stages of Estrous Cycle in Mice.. 2022 , 1	0

593	Small Extracellular Vesicles from Peripheral Blood of Aged Mice Pass the Blood-Brain Barrier and Induce Glial Cell Activation.. 2022 , 11,	1
592	Gap Junction-Dependent and -Independent Functions of Connexin43 in Biology.. 2022 , 11,	1
591	Extracellular Vesicles in Transplantation.. 2022 , 13, 800018	1
590	Circulating Small Extracellular Vesicles May Contribute to Vaso-Occlusive Crises in Sickle Cell Disease.. 2022 , 11,	0
589	Developing Biomarkers of Mild Traumatic Brain Injury: Promise and Progress of CNS-Derived Exosomes.. 2021 , 12, 698206	1
588	A Label-Free Electrical Impedance Spectroscopy for Detection of Clusters of Extracellular Vesicles Based on Their Unique Dielectric Properties.. 2022 , 12,	1
587	Mesenchymal Stem Cell-Derived Extracellular Vesicles: The Novel Therapeutic Option for Regenerative Dentistry.. 2022 , 1	
586	Epithelial Cell-Derived Extracellular Vesicles Trigger the Differentiation of Two Epithelial Cell Lines.. 2022 , 23,	2
585	Exosomes and their Cargo as a New Avenue for Brain and Treatment of CNS-Related Diseases. 2022 , 16,	0
584	Endometriosis derived exosomal miR-301a-3p mediates macrophage polarization via regulating PTEN-PI3K axis.. 2022 , 147, 112680	3
583	Exosomes as Powerful Engines in Cancer: Isolation, Characterization and Detection Techniques.. 2021 , 11,	4
582	Circulating Exosomal MicroRNAs as Diagnostic and Prognostic Biomarkers in Patients with Diffuse Large B-Cell Lymphoma. 2021 ,	3
581	Tissue-derived extracellular vesicles in cancers and non-cancer diseases: Present and future.. 2021 , 10, e12175	6
580	Tumor-derived exosomes: Key players in non-small cell lung cancer metastasis and their implication for targeted therapy.. 2021 ,	2
579	The therapeutic potential of immune cell-derived exosomes as an alternative to adoptive cell transfer. 2021 ,	1
578	Visualized Tracking of Tumor-Derived Extracellular Vesicles Using CRISPR-Cas9 System.. 2022 , 21, 15330338221085370	
577	Biomimetic via Exosome Mimetics in Regenerative Medicine and Therapeutics. 2022 , 29-53	
576	Cancer Immunoediting: Elimination, Equilibrium, and Immune Escape in Solid Tumors.. 2022 , 113, 1-57	0

575	Inflammasome-Derived Exosomes Isolation and Imaging by Transmission Electron Microscopy.. 2022 , 2459, 131-136	
574	Role of Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells in Skin Aging. 2022 , 12, 3457-3462	
573	Nanocarriers Call the Last Shot in the Treatment of Brain Cancers.. 2022 , 21, 15330338221080974	0
572	MicroRNAs in Cancer. 2022 , 317-340	
571	Coupling suspension trapping-based sample preparation and data-independent acquisition mass spectrometry for sensitive exosomal proteomic analysis.. 2022 , 414, 2585-2595	3
570	Profiling skeletal muscle-derived secretome with differentiation and acute contractile activity.	
569	Exosomal hsa_circ_0008925 from Urine Is Related to Chronic Renal Fibrosis.. 2022 , 2022, 1899282	1
568	Amniotic fluid stem cell-derived extracellular vesicles are independent metabolic units capable of modulating inflammasome activation in THP-1 cells.. 2022 , 36, e22218	2
567	Chemical Advances in Therapeutic Application of Exosomes and Liposomes.. 2022 ,	1
566	Umbilical Cord Blood-Derived Exosomes in Maternal-Fetal Disease: a Review.. 2022 , 1	
565	Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration.. 2022 , 10, 823642	0
564	PET Imaging of Small Extracellular Vesicles [Zr]Zr(oxinate) Direct Radiolabeling.. 2022 ,	2
563	Machine Learning-Assisted Dual-Marker Detection in Serum Small Extracellular Vesicles for the Diagnosis and Prognosis Prediction of Non-Small Cell Lung Cancer.. 2022 , 12,	0
562	To the Future: The Role of Exosome-Derived microRNAs as Markers, Mediators, and Therapies for Endothelial Dysfunction in Type 2 Diabetes Mellitus.. 2022 , 2022, 5126968	2
561	Hepatocyte nuclear factor 4 α in the pathogenesis of non-alcoholic fatty liver disease.. 2022 ,	1
560	Leishmania survives by exporting miR-146a from infected to resident cells to subjugate inflammation.. 2022 , 5,	1
559	Precipitation-Mediated PEGylation of Plant-Derived Nanovesicles. 2022 , 30, 85-89	
558	T Lymphocyte and CAR-T Cell-Derived Extracellular Vesicles and Their Applications in Cancer Therapy.. 2022 , 11,	0

557	Exosomal microRNA-23a-3p contributes to the progression of cholangiocarcinoma by interaction with Dynamin3.. 2022 , 13, 6208-6221	2
556	DNAJB8 in small extracellular vesicles promotes Oxaliplatin resistance through TP53/MDR1 pathway in colon cancer.. 2022 , 13, 151	1
555	Circulating Mitochondrial DNA and Inter-Organelle Contact Sites in Aging and Associated Conditions.. 2022 , 11,	0
554	RNA sequencing reveals the emerging role of bronchoalveolar lavage fluid exosome lncRNAs in acute lung injury.. 2022 , 10, e13159	1
553	The Role of Tumor Stem Cell Exosomes in Cancer Invasion and Metastasis.. 2022 , 12, 836548	1
552	Uncovering the molecular identity of cardiosphere-derived cells (CDCs) by single-cell RNA sequencing.. 2022 , 117, 11	0
551	The Therapeutic Potential of Exosomes in Soft Tissue Repair and Regeneration.. 2022 , 23,	1
550	Lactadherin: From a Well-Known Breast Tumor Marker to a Possible Player in Extracellular Vesicle-Mediated Cancer Progression.. 2022 , 23,	1
549	Molecular functions and therapeutic applications of exosomal noncoding RNAs in cancer.. 2022 ,	2
548	Imaging of surface microdomains on individual extracellular vesicles in 3-D.. 2022 , 11, e12191	5
547	Exploration and functionalization of M1-macrophage extracellular vesicles for effective accumulation in glioblastoma and strong synergistic therapeutic effects.. 2022 , 7, 74	4
546	Exosomal CD73 from serum of patients with melanoma suppresses lymphocyte functions and is associated with therapy resistance to anti-PD-1 agents.. 2022 , 10,	2
545	Liquid biopsy: a step closer to transform diagnosis, prognosis and future of cancer treatments.. 2022 , 21, 79	15
544	Extracellular vesicles-associated tRNA-derived fragments (tRFs): biogenesis, biological functions, and their role as potential biomarkers in human diseases.. 2022 , 1	3
543	Messages from the Small Intestine Carried by Extracellular Vesicles in Prediabetes: A Proteomic Portrait.. 2022 ,	0
542	Serum exosomal proteomics analysis of lung adenocarcinoma to discover new tumor markers.. 2022 , 22, 279	2
541	Exosomal miR-106a-5p accelerates the progression of nasopharyngeal carcinoma through FBXW7-mediated TRIM24 degradation.. 2022 ,	
540	Mitochondrial-derived vesicles in skeletal muscle remodeling and adaptation.. 2022 ,	1

539	Mesenchymal Stem Cell Derived Exosomes Suppress Neuronal Cell Ferroptosis Via lncGm36569/miR-5627-5p/FSP1 Axis in Acute Spinal Cord Injury.. 2022 , 18, 1127	2
538	The Role of Extracellular Vesicles in Systemic Lupus Erythematosus.. 2022 , 10, 835566	0
537	Role of MicroRNAs in Neuroendocrine Prostate Cancer.. 2022 , 8,	0
536	PPRV-Induced Autophagy Facilitates Infectious Virus Transmission by the Exosomal Pathway.. 2022 , e0024422	1
535	Investigating Cancerous Exosomes' Effects on CD8+ T-Cell IL-2 Production in a 3D Unidirectional Flow Bioreactor Using 3D Printed, RGD-Functionalized PLLA Scaffolds.. 2022 , 13,	0
534	Extracellular Vesicles in Type 1 Diabetes: A Versatile Tool.. 2022 , 9,	1
533	Bone Cell Exosomes and Emerging Strategies in Bone Engineering.. 2022 , 10,	3
532	Circulating Biomarkers for Therapeutic Monitoring of Anti-cancer Agents.. 2022 ,	0
531	Exosomes as Promising Nanostructures in Diabetes Mellitus: From Insulin Sensitivity to Ameliorating Diabetic Complications.. 2022 , 17, 1229-1253	1
530	Organotropic Targeting of Biomimetic Nanoparticles to Treat Lung Disease.. 2022 ,	0
529	Exosomes reveal the dual nature of radiotherapy in tumor immunology.. 2022 ,	2
528	Glymphatic System and Subsidiary Pathways Drive Nanoparticles Away from the Brain.. 2022 , 2022, 9847612	1
527	Role of Exosomal miR-223 in Chronic Skeletal Muscle Inflammation.. 2022 ,	0
526	Advances in brain delivery system based on biomimetic nanoparticles.	0
525	CagA , Not CagA , Infection Impairs Endothelial Function Through Exosomes-Mediated ROS Formation.. 2022 , 9, 881372	1
524	The Role of Exosomes in Inflammatory Diseases and Tumor-Related Inflammation.. 2022 , 11,	0
523	Extracellular vesicles in the Pathogenesis, Treatment and Diagnosis of Spinal Cord Injury: A Mini-Review.. 2022 ,	0
522	Exosomes for Regulation of Immune Responses and Immunotherapy. 2022 , 3, 55-85	2

521	The long and short non-coding RNAs modulating EZH2 signaling in cancer.. 2022 , 15, 18	12
520	Encapsulating Cas9 into extracellular vesicles by protein myristoylation.. 2022 , 11, e12196	3
519	Patient-Derived Tumor Organoids: New Progress and Opportunities to Facilitate Precision Cancer Immunotherapy.. 2022 , 12, 872531	0
518	Obesity and exercise training alter inflammatory pathway skeletal muscle small extracellular vesicle miRNAs.. 2022 ,	1
517	Non-Exosomal and Exosome-Derived miRNAs as Promising Biomarkers in Canine Mammary Cancer.. 2022 , 12,	1
516	Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1.. 2021 , 204, 113879	1
515	Comparative analysis of extracellular vesicles isolated from human mesenchymal stem cells by different isolation methods and visualisation of their uptake.. 2022 , 414, 113097	2
514	CCL18 promotes breast cancer progression by exosomal miR-760 activation of ARF6/Src/PI3K/Akt pathway.. 2022 , 25, 1-15	0
513	Nanoenzyme engineered neutrophil-derived exosomes attenuate joint injury in advanced rheumatoid arthritis via regulating inflammatory environment.. 2022 , 18, 1-14	3
512	Exosomal circRNAs: Emerging Players in Tumor Metastasis.. 2021 , 9, 786224	6
511	Advances on biological functions of exosomal non-coding RNAs in osteoarthritis.. 2021 ,	0
510	Role of Circulating Microparticles in Type 2 Diabetes Mellitus: Implications for Pathological Clotting.. 2021 , 48,	1
509	Lipid Metabolism Influence on Neurodegenerative Disease Progression: Is the Vehicle as Important as the Cargo?. 2021 , 14, 788695	1
508	Multiorgan Microphysiological Systems as Tools to Interrogate Interorgan Crosstalk and Complex Diseases.. 2021 ,	1
507	Immuno-Acoustic Sorting of Disease-Specific Extracellular Vesicles by Acoustophoretic Force.. 2021 , 12,	0
506	Immune Cell-Derived Extracellular Vesicles - New Strategies in Cancer Immunotherapy.. 2021 , 12, 771551	3
505	Ultrasound triggered topical delivery of Bmp7 mRNA for white fat browning induction via engineered smart exosomes. 2021 , 19, 402	1
504	Extracellular Vesicle Associated miRNAs Regulate Signaling Pathways Involved in COVID-19 Pneumonia and the Progression to Severe Acute Respiratory Corona Virus-2 Syndrome.. 2021 , 12, 784028	3

503	Role of Exosomal Non-Coding RNAs in Bone-Related Diseases.. 2021 , 9, 811666	3
502	The Role of Extracellular Vesicles in the Progression of Tumors towards Metastasis.	
501	Signal transduction mechanism of exosomes in diabetic complications (Review).. 2022 , 23, 155	1
500	Sympathetic Neurostress Drives Osteoblastic Exosomal MiR-21 Transfer to Disrupt Bone Homeostasis and Promote Osteopenia.. 2022 , 6, e2100763	3
499	Extracellular Vesicle Proteome in Prostate Cancer: A Comparative Analysis of Mass Spectrometry Studies.. 2021 , 22,	0
498	Role of extracellular microRNA-146a-5p in host innate immunity and bacterial sepsis. 2021 , 24, 103441	0
497	Exosomes in Cancer Diagnosis and Radiation Therapy.	
496	Modulation of Mesenchymal Stem Cells for Enhanced Therapeutic Utility in Ischemic Vascular Diseases.. 2021 , 23,	3
495	Recent Insights into Human Endometrial Peptidases in Blastocyst Implantation via Shedding of Microvesicles.. 2021 , 22,	3
494	Human MSC-Derived Exosomes Reduce Cellular Senescence in Renal Epithelial Cells.. 2021 , 22,	3
493	Migrasomes. 2022 , 193-202	
492	Role of Astrocyte Dysfunction in Parkinson's Disease Pathogenesis. 2022 , 243-291	
491	Comparison of the capillary-channeled polymer (C-CP) fiber spin-down tip approach to traditional methods for the isolation of extracellular vesicles from human urine.. 2022 , 414, 3813	0
490	Emerging roles for extracellular vesicles in Schistosoma infection.. 2022 , 106467	
489	Bu Shen Yi Sui Capsules Promote Remyelination by Regulating MicroRNA-219 and MicroRNA-338 in Exosomes to Promote Oligodendrocyte Precursor Cell Differentiation.. 2022 , 2022, 3341481	
488	Recent advances in optical label-free characterization of extracellular vesicles. 2022 ,	0
487	Unravelling Novel Roles of Salivary Exosomes in the Regulation of Human Corneal Stromal Cell Migration and Wound Healing.. 2022 , 23,	1
486	Small extracellular vesicles derived from patients with persistent atrial fibrillation exacerbate arrhythmogenesis via miR-30a-5p.. 2022 ,	0

- 485 Extracellular vesicles secreted by *Brugia malayi* microfilariae modulate the melanization pathway in the mosquito host.
- 484 Multifunctional Exosome-Loaded Silk Fibroin/Alginate Structure for Potential Wound Dressing Application. **2022**, 103549
- 483 miR-3184-3p enriched in CSF exosomes contribute to progression of glioma and promotes M2-like macrophage polarization.. **2022**, 0
- 482 Profiling the size-dependent heterogeneity of membrane proteins in a mixed population of small extracellular vesicle for potential cancer diagnosis.
- 481 The Role of Exosomes and Exosomal Noncoding RNAs From Different Cell Sources in Spinal Cord Injury.. **2022**, 16, 882306 0
- 480 Analysis of microRNAs in Small Urinary Extracellular Vesicles and Their Potential Roles in Pathogenesis of Renal ANCA-Associated Vasculitis.. **2022**, 23, 1
- 479 Message in a Bottle: Endothelial Cell Regulation by Extracellular Vesicles.. **2022**, 14, 2
- 478 Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. **2022**, 463, 214538 2
- 477 Data_Sheet_1.doc. **2018**,
- 476 Table1.xlsx. **2018**,
- 475 Table2.xlsx. **2018**,
- 474 Table3.xlsx. **2018**,
- 473 Table4.xlsx. **2018**,
- 472 Data_Sheet_1.pdf. **2019**,
- 471 Image_1.TIFF. **2020**,
- 470 Table_1.docx. **2020**,
- 469 Table_2.xlsx. **2020**,
- 468 Data_Sheet_1.docx. **2019**,

467 Image_1.TIFF. 2019,

466 Image_2.TIFF. 2019,

465 Image_3.TIFF. 2019,

464 Table_1.XLSX. 2019,

463 Table_2.DOCX. 2019,

462 Table_3.XLSX. 2019,

461 Table_4.XLSX. 2019,

460 Table_5.DOCX. 2019,

459 Table_6.DOCX. 2019,

458 Table_7.DOCX. 2019,

457 Table_8.DOCX. 2019,

456 Data_Sheet_1.PDF. 2019,

455 Data_Sheet_2.PDF. 2019,

454 Table_1.DOCX. 2019,

453 Image_1.TIF. 2020,

452 Image_2.TIF. 2020,

451 Image_3.TIF. 2020,

450 Image_4.TIF. 2020,

449 Image_5.TIF. 2020,

448 Image_6.TIF. 2020,

447 Image_7.TIF. 2020,

446 Table_1.xlsx. 2020,

445 Table_2.XLSX. 2020,

444 Table_1.DOCX. 2019,

443 Image_1.TIF. 2018,

442 Image_2.TIF. 2018,

441 Image_3.tif. 2018,

440 Image_4.TIF. 2018,

439 Image_5.TIF. 2018,

438 Table_1.DOCX. 2018,

437 Table_2.XLS. 2018,

436 Table_3.XLS. 2018,

435 Table_4.XLS. 2018,

434 Data_Sheet_1.PDF. 2020,

433 Data_Sheet_2.PDF. 2020,

432 Image_1.TIFF. 2020,

431 presentation_1.pptx. **2018,**

430 Presentation_1.pdf. **2020,**

429 Table_1.xlsx. **2020,**

428 Data_Sheet_1.XLSX. **2018,**

427 Data_Sheet_2.XLSX. **2018,**

426 Data_Sheet_3.XLSX. **2018,**

425 Data_Sheet_4.XLSX. **2018,**

424 Data_Sheet_5.XLSX. **2018,**

423 Image_1.PDF. **2018,**

422 Image_2.PDF. **2018,**

421 Image_1.tif. **2019,**

420 Image_1.pdf. **2020,**

419 Image_1.JPEG. **2018,**

418 Image_2.JPEG. **2018,**

417 Image_3.JPEG. **2018,**

416 Image_4.JPEG. **2018,**

415 Table_1.DOCX. **2018,**

414 Video_1.WMV. **2018,**

413 Video_2.WMV. **2018**,

412 Data_Sheet_1.PDF. **2020**,

411 Data_Sheet_2.PDF. **2020**,

410 Table_1.XLS. **2019**,

409 Image_1.png. **2020**,

408 Data_Sheet_1.pdf. **2020**,

407 Data_Sheet_1.PDF. **2019**,

406 Data_Sheet_1.pdf. **2018**,

405 Image_1.JPEG. **2019**,

404 Image_10.JPEG. **2019**,

403 Image_11.JPEG. **2019**,

402 Image_12.JPEG. **2019**,

401 Image_2.JPEG. **2019**,

400 Image_3.JPEG. **2019**,

399 Image_4.JPEG. **2019**,

398 Image_5.JPEG. **2019**,

397 Image_6.JPEG. **2019**,

396 Image_7.JPEG. **2019**,

395 Image_8.JPEG. 2019,

394 Image_9.JPEG. 2019,

393 Table_1.XLSX. 2019,

392 Table_2.XLSX. 2019,

391 Video_1.WMV. 2019,

390 Video_2.WMV. 2019,

389 Video_3.WMV. 2019,

388 Detection of Cancer-Derived Exosomes Using a Sensitive Colorimetric Aptasensor.. 2022, 2504, 21-30

387 Isolation and Characterization of Salivary Exosomes for Cancer Biomarker Discovery.. 2022, 2504, 101-112 1

386 Exosomal mediated signal transduction through artificial microRNA (amiRNA): A potential target for inhibition of SARS-CoV-2.. 2022, 110334 0

385 Exosome-transmitted circVMP1 facilitates the progression and cisplatin resistance of non-small cell lung cancer by targeting miR-524-5p-METTL3/SOX2 axis.. 2022, 29, 1257-1271 2

384 Macrophage instructs neutrophil death. 2018, 103, 171-173

383 Elucidating the focal immunomodulatory clues influencing mesenchymal stem cells at the milieu of intervertebral disc degeneration.. 2022,

382 Extracellular Vesicles and Interleukins: Novel Frontiers in Diagnostic and Therapeutic for Cancer.. 2022, 13, 836922 1

381 [Microfluidic strategies for separation and analysis of circulating exosomes]. 2021, 39, 968-980

380 Hyper-inflammatory responses in COVID-19 and anti-inflammatory therapeutic approaches.. 2021,

379 Copper in the tumor microenvironment and tumor metastasis. 2022, 0

378 Nanostructured particles assembled from natural building blocks for advanced therapies.. 2022, 6

- 377 Role of Exosomes in Tumor Induced Neo-Angiogenesis.
- 376 Exosomes and MicroRNAs in Biomedical Science. **2022**, 17, 1-175
- 375 Acute Cerebral Ischemia Increases a Set of Brain-Specific miRNAs in Serum Small Extracellular Vesicles.. **2022**, 15, 874903 1
- 374 EV (Extracellular Vesicle)-associated miRNAs as Biomarkers of Toxicity. **2022**, 37-62
- 373 Mechanism and clinical value of exosomes and exosomal contents in regulating solid tumor radiosensitivity.. **2022**, 20, 189 0
- 372 The Regulation of Lymph Node Pre-Metastatic Niche Formation in Head and Neck Squamous Cell Carcinoma.. **2022**, 12, 852611 0
- 371 Characterizing Extracellular Vesicles and Particles Derived from Skeletal Muscle Myoblasts and Myotubes and the Effect of Acute Contractile Activity. **2022**, 12, 464 1
- 370 Biogenesis of JC polyomavirus associated extracellular vesicles. **2022**, 1, 1
- 369 Characterization of lncRNA Profiles of Plasma-Derived Exosomes From Type 1 Diabetes Mellitus. **2022**, 13, 2
- 368 Exosomal CirsaFb2 Reshaping Tumor Environment to Promote Renal Cell Carcinoma Progression by Mediating M2 Macrophage Polarization. **2022**, 12, 2
- 367 Exosome-Derived Non-Coding RNAs in the Tumor Microenvironment of Colorectal Cancer: Possible Functions, Mechanisms and Clinical Applications. **2022**, 12, 0
- 366 Aptamers as Recognition Elements for Electrochemical Detection of Exosomes.. **2022**, 1-7 0
- 365 Exosomes and autophagy in ocular surface and retinal diseases: new insights into pathophysiology and treatment.. **2022**, 13, 174 0
- 364 Liquid biopsies to occult brain metastasis.. **2022**, 21, 113 2
- 363 Placenta-Derived Exosomes and Gestational Diabetes Mellitus. Volume 15, 1391-1404 0
- 362 Conventional and Nonconventional Sources of Exosomes-Isolation Methods and Influence on Their Downstream Biomedical Application.. **2022**, 9, 846650 1
- 361 Tumor-Originated Exosomal hsa-miR-3937 as a Minimally Invasive Early Biomarker for Liquid Biopsy of Colorectal Cancer. **2022**, 2022, 1-19 0
- 360 Novel markers for liquid biopsies in cancer management: Circulating platelets and extracellular vesicles.. **2022**, 0

359	Extracellular vesicles: Emerging tools as therapeutic agent carriers. 2022,	2
358	Effects of BMSC-Derived EVs on Bone Metabolism. 2022, 14, 1012	2
357	Pharmacological treatment with annexin A1-derived peptide protects against cisplatin-induced hearing loss.. 2022,	0
356	Precision size and refractive index analysis of weakly scattering nanoparticles in polydispersions.. 2022, 19, 586-593	3
355	One-Pot Endonucleolytically Exponentiated Rolling Circle Amplification by CRISPR-Cas12a Affords Sensitive, Expedited Isothermal Detection of MicroRNAs.	
354	M1 Macrophage-Derived Exosome-Mimetic Nanovesicles with an Enhanced Cancer Targeting Ability.. 2022,	1
353	Manufacturing Therapeutic Exosomes: from Bench to Industry.. 2022, 45, 284-290	4
352	Identification of Potential mRNA Biomarkers in Milk Small Extracellular Vesicles of Enzootic Bovine Leukosis Cattle. 2022, 14, 1022	0
351	Role of Acute Myeloid Leukemia (AML)-Derived exosomes in tumor progression and survival.. 2022, 150, 113009	0
350	The Stem Cell Continuum Model and Implications in Cancer. 2022, 1-24	
349	Advances in nanotechnology-based platforms for survivin-targeted drug discovery.. 2022,	0
348	Research Progress of Exosomes in Bone Diseases: Mechanism, Diagnosis and Therapy.. 2022, 10, 866627	0
347	The role of epigenetics in cancer metastasis. 2022, 277-300	
346	Engineered Extracellular Vesicles as Intelligent Nanosystem for Next-Generation of Nanomedicine.	3
345	Chronic viral hepatitis induced liver fibrosis. 2022, 175-192	
344	circRNF20 aggravates the malignancy of retinoblastoma depending on the regulation of miR-132-3p/PAX6 axis. 2022, 17, 955-968	0
343	Multiple roles of circulating tumor cells and exosomes in cancer metastasis. 2022, 7-21	
342	Overview and Update on Extracellular Vesicles: Considerations on Exosomes and Their Application in Modern Medicine. 2022, 11, 804	7

341	Mechanistic Pathogenesis of Endothelial Dysfunction in Diabetic Nephropathy and Retinopathy. 2022 , 13,	2
340	Function and therapeutic development of exosomes for cancer therapy.	1
339	Exosome: The Off-the-Shelf Cellular Nanocomponent as a Potential Pathogenic Agent, a Disease Biomarker, and Neurotherapeutics. 2022 , 13,	0
338	Complexities of JC Polyomavirus Receptor-Dependent and -Independent Mechanisms of Infection. 2022 , 14, 1130	1
337	Non-competitive fluorescence polarization immunosensing for CD9 detection using a peptide as a tracer.	
336	The preliminary exploration of what role miRNAs derived from urinary exosomes play in kidney stone formation. 2022 ,	
335	Tumor-Derived Exosomes Regulate Apoptosis of CD45+EpCAM+ Cells in Lung Cancer. 13,	0
334	Advances in engineered exosomes towards cancer diagnosis and therapeutics.	0
333	Identification of Cellular Genes Involved in Baculovirus GP64 Trafficking to the Plasma Membrane.	
332	Hydrogels for Exosome Delivery in Biomedical Applications. 2022 , 8, 328	1
331	Pivoting Novel Exosome-Based Technologies for the Detection of SARS-CoV-2. 2022 , 14, 1083	
330	Serum exosomal long non-coding RNAs as a diagnostic biomarker for atrial fibrillation. 2022 ,	0
329	Extracellular Vesicles and Hepatocellular Carcinoma: Opportunities and Challenges. 12,	1
328	Quantitative Biodistribution and Pharmacokinetics Study of GMP-Grade Exosomes Labeled with ⁸⁹ Zr Radioisotope in Mice and Rats. 2022 , 14, 1118	2
327	Extracellular Vesicle-Associated MicroRNA-138-5p Regulates Embryo Implantation and Early Pregnancy by Adjusting GPR124. 2022 , 14, 1172	1
326	Molecular markers in cancer. 2022 ,	0
325	Progress of exosome research in systemic lupus erythematosus. 2022 , 4, 100066	0
324	Comparing extracellular vesicles and cell membranes as biocompatible coatings for gold nanorods: Implications for targeted theranostics. 2022 , 176, 168-179	0

323	Metabolites and growth factors produced by airway epithelial cells induce tolerance in macrophages. 2022 , 302, 120659	
322	Fluorescent Labeling of Small Extracellular Vesicles (EVs) Isolated from Conditioned Media. 2022 , 12,	
321	Exosomes. 2022 , 79-92	
320	Potential role of microRNAs in pancreatic cancer manifestation: a review. 2022 , 34,	
319	Extracellular Vesicles and Their Associated miRNAs as Potential Biomarkers in Intracranial Aneurysm. 9,	0
318	Materials-based vaccines for infectious diseases.	
317	Inhalable exosomes outperform liposomes as mRNA and protein drug carriers to the lung. 2022 , 100002	2
316	Extracellular vesicles in cancer therapy. 2022 ,	0
315	The role of exosomes in skin diseases.	0
314	Research Progress in Exosome-Based Nanoscale Drug Carriers in Tumor Therapies. 12,	1
313	Advances of exosomes in periodontitis treatment. 2022 , 20,	0
312	Gastric Cancer-Derived Extracellular Vesicles (EVs) Promote Angiogenesis via Angiopoietin-2. 2022 , 14, 2953	0
311	The Role of Extracellular Vesicles in Melanoma Progression. 2022 , 14, 3086	1
310	Microfluidic-based exosome isolation and highly sensitive aptamer exosome membrane protein detection for lung cancer diagnosis. 2022 , 114487	3
309	Affinity-based isolation of extracellular vesicles and the effects on downstream molecular analysis.	0
308	Current Status, Opportunities, and Challenges of Exosomes in Oral Cancer Diagnosis and Treatment. Volume 17, 2679-2705	0
307	Recent progress of dendritic cell-derived exosomes (Dex) as an anti-cancer nanovaccine. 2022 , 152, 113250	1
306	Extracellular vesicle-based macromolecule delivery systems in cancer immunotherapy. 2022 , 348, 572-589	1

305	Proteomics for comprehensive characterization of extracellular vesicles in neurodegenerative disease. 2022 , 355, 114149	0
304	Exosome-mediated remodeling of the tumor microenvironment: From local to distant intercellular communication. 2022 , 543, 215796	1
303	ATP citrate lyase links increases in glycolysis to diminished release of vesicular suppressor of cytokine signaling 3 by alveolar macrophages. 2022 , 1868, 166458	0
302	Development of novel vaccines using nanomaterials against COVID-19. 2022 , 329-345	
301	Methods for the Detection of Circulating Biomarkers in Cancer Patients. 2022 , 525-552	0
300	Virus, Exosome, and MicroRNA: New Insights into Autophagy. 2022 ,	1
299	Prediction of tumor metastasis via extracellular vesicles-treated platelet adhesion on a blood vessel chip. 2022 , 22, 2726-2740	1
298	Emerging role of exosomes in cancer progression and tumor microenvironment remodeling. 2022 , 15,	2
297	MicroRNA-Based Diagnosis and Therapy. 2022 , 23, 7167	2
296	Role of exosomes in the pathogenesis, diagnosis, and treatment of central nervous system diseases. 2022 , 20,	1
295	Proteomics, Phosphoproteomics and Mirna Analysis of Circulating Extracellular Vesicles through Automated and High-Throughput Isolation. 2022 , 11, 2070	0
294	PAI/MRI Visualization of Tumor Derived Cellular Microvesicles with Endogenous Biopolymer Nanoparticles Modification. Volume 17, 2883-2890	0
293	miR-29a-3p in Exosomes from Heme Oxygenase-1 Modified Bone Marrow Mesenchymal Stem Cells Alleviates Steatotic Liver Ischemia-Reperfusion Injury in Rats by Suppressing Ferroptosis via Iron Responsive Element Binding Protein 2. 2022 , 2022, 1-22	1
292	The role of extracellular vesicles in animal reproduction and diseases. 2022 , 13,	0
291	A Waste product to save the day in the field of transplantation: the evolving potential of extracellular vesicles.	0
290	Extracellular vesicles: Emerging frontiers in wound healing.	1
289	Sensing gastric cancer exosomes with MoS ₂ -based SERS aptasensor. 2022 , 114553	3
288	Urinary exosomes derived circRNAs as biomarkers for chronic renal fibrosis. 2022 , 54, 1966-1976	0

287	Editorial Commentary: Stem Cell Exosomes Can Promote Healing and Muscle Function After Rotator Cuff Repair. 2022 , 38, 2154-2156	0
286	Nano pom-poms prepared exosomes enable highly specific cancer biomarker detection. 2022 , 5,	2
285	Extracellular Vesicles from BMSCs Prevent Glucocorticoid-Induced BMECs Injury by Regulating Autophagy via the PI3K/Akt/mTOR Pathway. 2022 , 11, 2104	1
284	Exosome-Derived Circ_0094343 Promotes Chemosensitivity of Colorectal Cancer Cells by Regulating Glycolysis via the miR-766-5p/TRIM67 Axis. 2022 , 2022, 1-12	0
283	Inhalable dry powder mRNA vaccines based on extracellular vesicles. 2022 ,	2
282	Applications of Magnetic Particle Imaging in Biomedicine: Advancements and Prospects. 13,	1
281	Engineered models for placental toxicology: emerging approaches based on tissue decellularization. 2022 ,	1
280	USP8 promotes cancer progression and extracellular vesicle-mediated CD8 + T cell exhaustion by deubiquitinating the TGF- β receptor TRII.	0
279	Extracellular vesicles in cell biology: Role of lipids in vesicle biogenesis, cargo, and intercellular signaling. 2022 , 63, 101545	0
278	Tackling CD147 exosome-based cell-cell signaling by electrochemical biosensing for early colorectal cancer detection. 2022 , 11, 100192	0
277	Exosomes, autophagy and ER stress pathways in human diseases: Cross-regulation and therapeutic approaches. 2022 , 1868, 166484	1
276	Recent progresses on radiotherapeutics-based treatment of cancer with two-dimensional nanomaterials. 2022 , 29, 101584	
275	Therapeutic potential role of exosomes for ischemic stroke. 2019 , 5, 128-143	
274	A Review on the Application of Stem Cell Secretome in the Protection and Regeneration of Retinal Ganglion Cells; a Clinical Prospect in the Treatment of Optic Neuropathies. 1-9	0
273	Knowledge Mapping of Exosomes in Autoimmune Diseases: A Bibliometric Analysis (2002-2021). 13,	0
272	Polyadenylation ligation-mediated sequencing (PALM-Seq) characterizes cell-free coding and non-coding RNAs in human biofluids. 2022 , 12,	1
271	Small biomarkers with massive impacts: PI3K/AKT/mTOR signalling and microRNA crosstalk regulate nasopharyngeal carcinoma. 2022 , 10,	2
270	Extracellular Vesicles for Immunomodulation in Tissue Regeneration.	0

269	Engineered exosome-mediated delivery of circDIDO1 inhibits gastric cancer progression via regulation of MiR-1307-3p/SOCS2 Axis. 2022 , 20,	1
268	Human Amniotic Fluid Mesenchymal Stem Cell-Derived Exosomes Inhibit Apoptosis in Ovarian Granulosa Cell via miR-369-3p/YAF2/PDCD5/p53 Pathway. 2022 , 2022, 1-18	1
267	The diagnostic value of exosomal circular RNAs in cancer patients: A systematic review and meta-analysis.	1
266	Exosome- and extracellular vesicle-based approaches for the treatment of lysosomal storage disorders. 2022 , 114465	0
265	The Hepatic Pre-Metastatic Niche. 2022 , 14, 3731	
264	Application of exosome-derived noncoding RNAs in bone regeneration: Opportunities and challenges. 2022 , 14, 473-489	0
263	Molecular mechanisms and clinical applications of exosomes in prostate cancer. 2022 , 10,	2
262	Exosome secretion kinetics are controlled by temperature.	
261	Exosomal Non-Coding RNAs: New Insights into the Biology of Hepatocellular Carcinoma. 2022 , 29, 5383-5406	1
260	Effects of Exosomal Viral Components on the Tumor Microenvironment. 2022 , 14, 3552	1
259	Mesenchymal/stromal stem cells: necessary factors in tumour progression. 2022 , 8,	0
258	Molecular Profiles of Serum-Derived Extracellular Vesicles in High-Grade Serous Ovarian Cancer. 2022 , 14, 3589	0
257	The role of adipose-derived stem cells-derived extracellular vesicles in the treatment of diabetic foot ulcer: Trends and prospects. 13,	1
256	A Microchambers Containing Contact Lens for the Noninvasive Detection of Tear Exosomes. 2206620	4
255	Probable role of exosomes in the extension of fibrotic alterations from affected to normal cells in systemic sclerosis.	0
254	Breast cancer cell-derived extracellular vesicles promote CD8+ T cell exhaustion via TGF- β type II receptor signaling. 2022 , 13,	1
253	Fatty hepatocytes-derived exosomal miR-122 reduces immune function and antioxidant defence in Ctenopharyngodon idella kidney (CIK) cells. 2022 ,	0
252	Pathophysiology of Coagulation and Emerging Roles for Extracellular Vesicles in Coagulation Cascades and Disorders. 2022 , 11, 4932	1

251	Transcriptional Level Evaluation of Osteopontin/miRNA-181a Axis in Hepatocellular Carcinoma Cell Line-secreted Extracellular Vesicles. 2022 , 154088	0
250	Depletion of serum-derived exosomes aggravates heat stress-induced damage of bovine mammary epithelial cells.	
249	Exosomes from <i>Ureaplasma parvum</i> -infected ectocervical epithelial cells promote feto-maternal interface inflammation but are insufficient to cause preterm delivery. 10,	0
248	Specific anti-glioma targeted-delivery strategy of engineered small extracellular vesicles dual-functionalised by Angiopep-2 and TAT peptides. 2022 , 11,	1
247	Cancer cell-derived exosomal LINC00313 induces M2 macrophage differentiation in non-small cell lung cancer.	1
246	Proteomic profiling of aspergillus flavus endophthalmitis derived extracellular vesicles in an in-vivo murine model.	1
245	Exosomes in the visual system: New avenues in ocular diseases. 2022 , 44, 129-152	1
244	From cerebral ischemia towards myocardial, renal, and hepatic ischemia: exosomal miRNAs as a general concept of intercellular communication in ischemia-reperfusion injury. 2022 ,	0
243	Different Diets Change Milk Extracellular Vesicle-Protein Profile in Lactating Cows. 2022 , 12, 1234	
242	Integrated single-cell functional and molecular profiling of extracellular vesicle secretion in metastatic breast cancer.	
241	Developmentally engineered bio-assemblies releasing neurotrophic exosomes guide in situ neuroplasticity following spinal cord injury. 2022 , 100406	1
240	Diagnostic and Therapeutic Roles of Extracellular Vesicles in Aging-Related Diseases. 2022 , 2022, 1-17	0
239	Circulating and non-circulating proteins and nucleic acids as biomarkers and therapeutic molecules in ovarian cancer. 2022 ,	
238	Role of Siglecs in viral infections: A double-edged sword interaction. 2022 , 101113	0
237	Engineered Exosomes Containing Cathelicidin/LL-37 Exhibit Multiple Biological Functions. 2200849	0
236	Rapid isolation and quantification of extracellular vesicles from suspension-adapted human embryonic kidney cells using capillary-channeled polymer fiber spin-down tips.	0
235	Therapeutic perspectives of exosomes in glucocorticoid-induced osteoarthritis. 9,	
234	Biomaterials constructed for MSC-derived extracellular vesicle loading and delivery a promising method for tissue regeneration. 10,	0

233	Extruded small extracellular vesicles: splinters of circulating tumour cells may promote cancer metastasis?.	0
232	Exosomes at the crossroad between therapeutic targets and therapy resistance in head and neck squamous cell carcinoma. 2022 , 188784	0
231	Ginseng-derived nanoparticles induce skin cell proliferation and promote wound healing. 2022 ,	2
230	Intermittent bulk release of human cytomegalovirus. 2022 , 18, e1010575	0
229	A shared, stochastic pathway mediates exosome protein budding along plasma and endosome membranes. 2022 , 102394	1
228	The prion-like transmission of tau oligomers via exosomes. 14,	0
227	Exosome-driven liquid biopsy for breast cancer: Recent advances in isolation, biomarker identification and detection. 2022 , 1, 100006	0
226	Two Short Repeats in the 5' Untranslated Region of Insulin-like Androgenic Gland Factor in <i>Procambarus clarkii</i> (PcIAG) That Regulate PcIAG Expression. 2022 , 23, 10348	0
225	Delivery of human natural killer cell-derived exosomes for liver cancer therapy: an in vivo study in subcutaneous and orthotopic animal models. 2022 , 29, 2897-2911	1
224	Plasma-derived exosomal mRNA profiles associated with type 1 diabetes mellitus. 13,	2
223	Novel antitumor therapeutic strategy using CD4+ T cell-derived extracellular vesicles. 2022 , 289, 121765	0
222	The distinct roles of exosomes in innate immune responses and therapeutic applications in cancer. 2022 , 933, 175292	0
221	Circular RNAs play roles in regulatory networks of cell signaling pathways in human cancers. 2022 , 309, 120975	0
220	Enrichment of bovine milk-derived extracellular vesicles using surface-functionalized cellulose nanofibers. 2022 , 297, 120069	0
219	Large extracellular vesicles secreted by human iPSC-derived MSCs ameliorate tendinopathy via regulating macrophage heterogeneity. 2023 , 21, 194-208	0
218	Exosomes as diagnostic tools. 2022 , 117-144	0
217	Nanovesicular systems in drug delivery. 2022 , 1-15	5
216	Application of Cell-Derived Extracellular Vesicles and Engineered Nanovesicles for Hair Growth: From Mechanisms to Therapeutics. 10,	0

215	Stem Cell Exosomes Improve Survival of Neural Stem Cells after Radiation Exposure. 2022 , 173, 544-552	0
214	Post-COVID-19 Parkinsonism and Parkinson Disease Pathogenesis: The Exosomal Cargo Hypothesis. 2022 , 23, 9739	2
213	Extracellular vesicle-associated microRNA-30b-5p activates macrophages through the SIRT1/ NF- κ B pathway in cell senescence. 13,	1
212	Cellular nanovesicles for therapeutic immunomodulation: a perspective on engineering strategies and new advances. 2022 ,	0
211	Radiation induces ESCRT pathway dependent CD44v3+ extracellular vesicle production stimulating pro-tumor fibroblast activity in breast cancer. 12,	2
210	Acid sphingomyelinase deactivation post-ischemia promotes brain angiogenesis and remodeling by small extracellular vesicles. 2022 , 117,	0
209	Deep Learning-Enabled Raman Spectroscopic Identification of Pathogen-Derived Extracellular Vesicles and the Biogenesis Process. 2022 , 94, 12416-12426	1
208	Construction of a novel exosomes-related gene signature in hepatocellular carcinoma. 10,	0
207	Wharton jelly-derived mesenchymal stem cell exosomes induce apoptosis and suppress EMT signaling in cervical cancer cells as an effective drug carrier system of paclitaxel. 2022 , 17, e0274607	2
206	Role of Exosomes Derived from Adipose Tissue under Obese Conditions in Skeletal Muscle and Liver Cells: Commonalities and Differences. 2200358	0
205	Differential expression of plasma exosomal microRNA in severe acute pancreatitis. 13,	0
204	Harnessing the Therapeutic Potential of Exosomes: A Novel Strategy for Anticancer and Antiviral Therapy. 2022 , 2022, 1-11	0
203	Endothelial senescence mediates hypoxia-induced vascular remodeling by modulating PDGFB expression. 9,	1
202	Rapid Isolation of Extracellular Vesicles Using a Hydrophilic Porous Silica Gel-Based Size-Exclusion Chromatography Column.	0
201	Interrelation between extracellular vesicles miRNAs with chronic lung diseases.	0
200	Microfluidic Technology for the Isolation and Analysis of Exosomes. 2022 , 13, 1571	2
199	Untold story of human cervical cancers: HPV-negative cervical cancer. 2022 , 55, 429-438	0
198	Extracellular vesicles elicit protective immune responses against Salmonella infection. 2022 , 11,	0

197	Systemic proteomics and miRNA profile analysis of exosomes derived from human pluripotent stem cells. 2022 , 13,	0
196	Innate immune activation: Parallels in alcohol use disorder and Alzheimer's disease. 15,	1
195	Mesenchymal stem cell-derived exosomes in cancer therapy resistance: recent advances and therapeutic potential. 2022 , 21,	2
194	Roles of Regulatory T Cell-Derived Extracellular Vesicles in Human Diseases. 2022 , 23, 11206	0
193	Hypothesis: can transfer of primary neoplasm-derived extracellular vesicles and mitochondria contribute to the development of donor cell-derived hematologic neoplasms after allogeneic hematopoietic cell transplantation?. 2022 ,	0
192	Stromal Cells and Extracellular Vesicles.	0
191	Pten regulates endocytic trafficking of cell adhesion and signaling molecules to pattern the retina.	0
190	Extracellular vesicle miRNAs promote the intestinal microenvironment by interacting with microbes in colitis. 2022 , 14,	0
189	Potent bystander effect and tumor tropism in suicide gene therapy using stem cells from human exfoliated deciduous teeth.	0
188	Neuronal activity-dependent ATP enhances the pro-growth effect of repair Schwann cell extracellular vesicles by increasing their miRNA-21 loading. 16,	0
187	The application of tumor cell-derived vesicles in oncology therapy.	0
186	Enterovirus 71 non-structural protein 3A hijacks vacuolar protein sorting 25 to boost exosome biogenesis to facilitate viral replication. 13,	0
185	Exosome-associated microRNA -375 induces cell proliferation by regulating IGFBP4 upon Hepatitis C Virus infection.	0
184	Cancer-associated Fibroblasts Communicate with Breast Tumor Cells Through Extracellular Vesicles in Tumor Development. 2022 , 21, 153303382211316	0
183	Impact of Exosomes Released by Different Corneal Cell Types on the Wound Healing Properties of Human Corneal Epithelial Cells. 2022 , 23, 12201	0
182	Exosomes as Potential Functional Nanomaterials for Tissue Engineering. 2201989	2
181	Exosomes as CNS Drug Delivery Tools and Their Applications. 2022 , 14, 2252	1
180	Extracellular vesicles derived from endometrial epithelial cells deliver exogenous miR-92b-3p to affect the function of embryonic trophoblast cells via targeting TSC1 and DKK3. 2022 , 20,	0

179	Targeted Cancer Immunotherapy: Nanoformulation Engineering and Clinical Translation. 2204335	1
178	A Novel Protein Encoded by Exosomal CircATG4B Induces Oxaliplatin Resistance in Colorectal Cancer by Promoting Autophagy. 2204513	2
177	Apoptotic MSCs and MSC-Derived Apoptotic Bodies as New Therapeutic Tools. 2022 , 44, 5153-5172	0
176	Exosomal miR92a Promotes Cytarabine Resistance in Myelodysplastic Syndromes by Activating Wnt/ β -catenin Signal Pathway. 2022 , 12, 1448	0
175	EVs-miRNA: The New Molecular Markers for Chronic Respiratory Diseases. 2022 , 12, 1544	1
174	The role of milk-derived exosomes in the treatment of diseases. 13,	2
173	Exosome-encapsulated ncRNAs: Emerging yin and yang of tumor hallmarks. 13,	0
172	Identification of plant-derived microRNAs in human kidney.	0
171	Extracellular vesicles-transferred SBSN drives glioma aggressiveness by activating NF- κ B via ANXA1-dependent ubiquitination of NEMO.	0
170	Single-Vesicle Infrared Nanoscopy for Noninvasive Tumor Malignancy Diagnosis.	1
169	Exosomes derived from dental pulp stem cells accelerate cutaneous wound healing by enhancing angiogenesis via the Cdc42/p38 MAPK pathway. 2022 , 50,	0
168	Human amniotic epithelial cells exert anti-cancer effects through secretion of immunomodulatory small extracellular vesicles (sEV). 2022 , 22,	1
167	Circulating Extracellular Vesicles Express Receptor Activator of Nuclear Factor κ B Ligand and Other Molecules Informative of the Bone Metabolic Status of Mouse Models of Experimentally Induced Osteoporosis.	0
166	Dose-related shifts in proteome and function of extracellular vesicles secreted by fetal neural stem cells following chronic alcohol exposure. 2022 , e11348	0
165	Extracellular vesicles biogenesis, isolation, manipulation and genetic engineering for potential in vitro and in vivo therapeutics: An overview. 10,	1
164	Biocompatible engineered erythrocytes as plasmonic sensor initiators for high-sensitive screening of non-small cell lung cancer-derived exosomal miRNA in an integrated system. 2023 , 219, 114802	0
163	Breakthrough of extracellular vesicles in pathogenesis, diagnosis and treatment of osteoarthritis. 2023 , 22, 423-452	2
162	The Stem Cell Continuum Model and Implications in Cancer. 2022 , 1255-1278	0

161	The Tumor Microenvironment. 2022 , 1-49	0
160	Follicular fluid extracellular vesicle miRNAs and ovarian aging. 2023 , 538, 29-35	1
159	Exosomes as Novel Delivery Systems for Application in Traditional Chinese Medicine. 2022 , 27, 7789	0
158	Mesenchymal stromal cell extracellular vesicles for multiple sclerosis in preclinical rodent models: A meta-analysis. 13,	1
157	Characterization of exosomes derived from IPEC-J2 treated with probiotic <i>Bacillus amyloliquefaciens</i> SC06 and its regulation of macrophage functions. 13,	0
156	Relationship between miRNA and ferroptosis in tumors. 13,	0
155	Expanding therapeutic strategies for intracellular bacterial infections through conjugates of apoptotic body-antimicrobial peptides. 2022 , 103444	0
154	Exosome-mediated viral nucleic acid presentation in a crustacean reveals innate immunity evolution from a novel perspective.	0
153	Allograft Tissues. 2022 , 89-101	0
152	DNAJB6-Containing Extracellular Vesicles as Chaperone Delivery Systems: A Proteomic Analysis. 2022 , 14, 2485	0
151	Illuminating the Molecular Intricacies of Exosomes and ncRNAs in Cardiovascular Diseases: Prospective Therapeutic and Biomarker Potential. 2022 , 11, 3664	0
150	The effect of the intratumoral microbiome on tumor occurrence, progression, prognosis and treatment. 13,	1
149	Plasma-derived Exosomal microRNA expression profile in Lung Adenocarcinoma with OSA.	0
148	Glycoproteomics revealed novel N-glycosylation biomarkers for early diagnosis of lung adenocarcinoma cancers. 2022 , 19,	0
147	Proteomic analysis of circulating small extracellular vesicles unique to cervical cancer.	0
146	Engineered extracellular vesicles as drug delivery systems for the next generation of nanomedicine. 2023 , 105-128	0
145	Recent Advances in Tumor Biomarkers Detection by Lanthanide Upconversion Nanoparticles.	0
144	Protective role of exosomes derived from regulatory T cells against inflammation and apoptosis of BV-2 microglia under oxygen-glucose deprivation/reperfusion challenge. 2022 , 45,	0

143	Ultra-thin membrane filter with a uniformly arrayed nanopore structure for nanoscale separation of extracellular vesicles without cake formation.	0
142	Selective enrichment and detection of PD-L1 positive extracellular vesicles derived from human plasma and patient derived tumor cells. 2023 , 377, 133086	0
141	Duck hepatitis A virus type 1 transmission by exosomes establishes a productive infection in vivo and in vitro. 2023 , 277, 109621	0
140	Mesenchymal Stromal CellBased Therapy for Dry Eye: Current Status and Future Perspectives. 2022 , 31, 096368972211338	0
139	The Effect of Extracellular Vesicles on Thrombosis.	1
138	Differential Immunomodulatory Effects of Head and Neck Cancer-Derived Exosomes on B Cells in the Presence of ATP. 2022 , 23, 14446	0
137	Reprogramming of T cell-derived small extracellular vesicles using IL2 surface engineering induces potent anti-cancer effects through miRNA delivery. 2022 , 11, 12287	0
136	Modified exosomal SIRP β variants alleviate white matter injury after intracerebral hemorrhage via microglia/macrophages. 2022 , 26,	0
135	Upregulation of miR-184 and miR-19a-3p induces endothelial dysfunction by targeting AGO2 in Kawasaki disease. 1-5	0
134	Radiotherapy of the Primary Disease for Synchronous Metastatic Cancer: A Systematic Review. 2022 , 14, 5929	0
133	Application of Extracellular Vesicles in Gynecologic Cancer Treatment. 2022 , 9, 740	0
132	Development and Characterization of Bioinspired Lipid Raft Nanovesicles for Therapeutic Applications. 2022 , 14, 54458-54477	1
131	A pan-cancer analysis of the FAT1 in human tumors. 2022 , 12,	0
130	Inhibition of cholesterol transport impairs Cav-1 trafficking and small extracellular vesicles secretion, promoting amphisome formation in melanoma cells.	0
129	Novel insight into miRNA biology and its role in the pathogenesis of systemic lupus erythematosus. 13,	1
128	Laminins in tumor-derived exosomes upregulated by ETS1 reprogram omental macrophages to promote omental metastasis of ovarian cancer. 2022 , 13,	0
127	Amniotic fluid stem cells: A novel treatment for necrotizing enterocolitis. 10,	0
126	GMP-compliant manufacturing of biologically active cell-derived vesicles produced by extrusion technology. 2022 , 1,	0

- 125 m 6 A Reader YTHDF1-Targeting Engineered Small Extracellular Vesicles for Gastric Cancer Therapy via Epigenetic and Immune Regulation. 2204910 0
- 124 Exosomes in pathogenesis, diagnosis, and therapy of ischemic stroke. 10, 0
- 123 Exosomal LINC00460/miR-503-5p/ANLN positive feedback loop aggravates pancreatic cancer progression through regulating T cell-mediated cytotoxicity and PD-1 checkpoint. **2022**, 22, 0
- 122 Application of engineered extracellular vesicles to overcome drug resistance in cancer. 12, 0
- 121 Aptamer proteomics of serum exosomes from patients with Primary Raynaud's and patients with Raynaud's at risk of evolving into Systemic Sclerosis. **2022**, 17, e0279461 0
- 120 Intracellular and intercellular transport of RNA organelles in CXG repeat disorders: The strength of weak ties. 9, 0
- 119 EVs vs. EVs: MSCs and Tregs as a source of invisible possibilities. 0
- 118 Effects of osteoblast-derived extracellular vesicles on aggressiveness, redox status and mitochondrial bioenergetics of MNNG/HOS osteosarcoma cells. 12, 0
- 117 HRS regulates small extracellular vesicle PD-L1 secretion and is associated with anti-PD-1 treatment efficacy. 0
- 116 Edible plant extracellular vesicles: An emerging tool for bioactives delivery. 13, 2
- 115 Cancer Stem Cells (CSCs): key player of radiotherapy resistance and its clinical significance. 1-28 0
- 114 Mesenchymal stem cells ameliorate cisplatin-induced acute kidney injury via let-7b-5p. 0
- 113 Astrocyte-derived exosomal nicotinamide phosphoribosyltransferase (Namp1) ameliorates ischemic stroke injury by targeting AMPK/mTOR signaling to induce autophagy. **2022**, 13, 1
- 112 The novel importance of miR-143 in obesity regulation. 0
- 111 Extracellular Events Involved in Cancer Cell-Cell Fusion. **2022**, 23, 16071 0
- 110 Exosomal long non-coding RNAs: novel molecules in gastrointestinal cancers progression and diagnosis. 12, 0
- 109 Extracellular vesicles: Focus on peri-implantation period of pregnancy in pigs. 0
- 108 The emerging role of exosomes in innate immunity, diagnosis and therapy. 13, 1

- 107 Suppression of exosomal hsa_circ_0001005 eliminates the Vemurafenib resistance of melanoma. ○
- 106 Extracellular vesicles and melanoma: New perspectives on tumor microenvironment and metastasis. 10, ○
- 105 Comparative proteomic analysis of seminal plasma exosomes in buffalo with high and low sperm motility. **2023**, 24, ○
- 104 Proteomic profiling of urinary small extracellular vesicles in children with pneumonia: a pilot study. ○
- 103 Endosomal sorting results in a selective separation of the protein corona from nanoparticles. **2023**, 14, 1
- 102 Shaping Up the Tumor Microenvironment: Extracellular Vesicles as Important Intermediaries in Building a Tumor-Supportive Cellular Network. **2023**, 15, 501 ○
- 101 An Effective Peptide-Based Platform for Efficient Exosomal Loading and Cellular Delivery of a microRNA. 1
- 100 Insights into Asymmetric Liposomes as a Potential Intervention for Drug Delivery Including Pulmonary Nanotherapeutics. **2023**, 15, 294 ○
- 99 Extracellular vesicles of human diabetic retinopathy retinal tissue and urine of diabetic retinopathy patients are enriched for the junction plakoglobin protein. 13, ○
- 98 Left Internal Mammary Artery as an Endocrine Organ: Insights Into Graft Biology and Long-term Impact Following Coronary Artery Bypass Grafting. **2023**, 98, 150-162 ○
- 97 Properties and Applications of Highly Stable Vesicles Formed by Nanoarchitectonics of Amphiphilic Molecules. **2023**, 72, 1-10 ○
- 96 Tumor-Targeting Extracellular Vesicles Loaded with siS100A4 for Suppressing Postoperative Breast Cancer Metastasis. ○
- 95 Dendrimer-like Hierarchical Framework Nucleic Acid for Real-Time Imaging of Intracellular Trafficking. ○
- 94 Exosomes Mediated Fibrogenesis in Dilated Cardiomyopathy Through a MicroRNA Pathway. **2023**, 105963 ○
- 93 Copy Number Variations as Determinants of Colorectal Tumor Progression in Liquid Biopsies. **2023**, 24, 1738 ○
- 92 Novel strategies to reverse chemoresistance in colorectal cancer. 1
- 91 Exosomes derived from M1 macrophages inhibit the proliferation of the A549 and H1299 lung cancer cell lines via the miRNA-let-7b-5p-GNG5 axis. 11, e14608 ○
- 90 High therapeutic efficacy of 5-Fluorouracil -loaded Exosomes against colon cancer cells. ○

- 89 Modulating Effects of Cancer-Derived Exosomal miRNAs and Exosomal Processing by Natural Products. **2023**, 15, 318 ○
- 88 Catalpol Mitigates Alzheimer's Disease Progression by Promoting the Expression of Neural Stem Cell Exosomes Released miR-138-5p. ○
- 87 Exosome-Hydrogel System in Bone Tissue Engineering: A Promising Therapeutic Strategy. 2200496 ○
- 86 Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. 10, ○
- 85 Exosome engineering in cell therapy and drug delivery. 1
- 84 Exosomes in chronic liver disease. **2023**, 540, 117215 ○
- 83 Extracellular transportation of β -synuclein by HLA class II molecules. **2023**, 644, 25-33 ○
- 82 Exosomal lncRNAs in gastrointestinal cancer. **2023**, 540, 117216 ○
- 81 SpRab11a-Regulated Exosomes Inhibit Bacterial Infection through the Activation of Antilipoplysaccharide Factors in Crustaceans. **2022**, 209, 710-722 ○
- 80 Macrophages Release Extracellular Vesicles of Different Properties and Composition Following Exposure to Nanoparticles. **2023**, 24, 260 ○
- 79 Nanoparticle-based Drug Delivery System for Post Myocardial Infarction Management. 11 ○
- 78 Extracellular vesicle-associated microRNA signatures related to vascular invasion in early-stage lung adenocarcinoma. ○
- 77 Extracellular Vesicle Membrane Protein Profiling and Targeted Mass Spectrometry Unveil CD59 and Tetraspanin 9 as Novel Plasma Biomarkers for Detection of Colorectal Cancer. **2023**, 15, 177 ○
- 76 Composition and Possibility of Application in Practical Medicine of Exosome/Extracellular Vesicles from Multipotent Stromal Cells. **2022**, 77, 336-344 ○
- 75 Exosomes: Recent advances and challenges as targeted therapeutic delivery vesicles. **2022**, ○
- 74 Alteration of neural network and hippocampal slice activation through exosomes derived from 5XFAD nasal lavage fluid. ○
- 73 Exosome-transmitted circIFNGR2 Modulates Ovarian Cancer Metastasis via miR-378/ST5 Axis. **2023**, 43, 22-42 ○
- 72 Immunomagnetic Separation Method Integrated with the Strep-Tag II System for Rapid Enrichment and Mild Release of Exosomes. ○

- 71 Stem cells, organoids, and cellular therapy. **2023**, 233-263 ○
- 70 Alterations of plasma exosomal proteins and metabolites are associated with the progression of castration-resistant prostate cancer. **2023**, 21, ○
- 69 Fibronectin and JMJD6 signature in circulating placental extracellular vesicles for the detection of preeclampsia. ○
- 68 The Role of Exosomes in Tumor Metastasis. **2023**, 1-29 ○
- 67 Biological Functions and Applications of Exosomes in Drug Research. ○
- 66 Therapeutic potential of stem cell extracellular vesicles for ischemic stroke in preclinical rodent models: a meta-analysis. **2023**, 14, ○
- 65 Non-Coding RNAs Derived from Extracellular Vesicles Promote Pre-Metastatic Niche Formation and Tumor Distant Metastasis. **2023**, 15, 2158 ○
- 64 Recent progress on nanozymes in electrochemical sensing. **2023**, 936, 117391 ○
- 63 Engineering fucoxanthin-loaded probiotics membrane vesicles for the dietary intervention of colitis. **2023**, 297, 122107 ○
- 62 Dendritic cell-derived exosomes: A new horizon in personalized cancer immunotherapy?. **2023**, 562, 216168 ○
- 61 Tumor microenvironment-triggered intratumoral in-situ biosynthesis of inorganic nanomaterials for precise tumor diagnostics. **2023**, 484, 215115 ○
- 60 Characterization of extracellular vesicle and virus-like particles by single vesicle tetraspanin analysis. **2023**, 382, 133547 ○
- 59 Performance enhancement of electrochemiluminescence magnetic microbiosensors by using double magnetic field actuation for cancer biomarkers and exosomes. **2023**, 259, 124485 ○
- 58 Advances in Studies on Exosomes and Their Roles in Systemic Lupus Erythematosus. **2022**, 12, 11975-11979 ○
- 57 Microbiota-Associated HAF-EVs Regulate Monocytes by Triggering or Inhibiting Inflammasome Activation. **2023**, 24, 2527 ○
- 56 Direct digital sensing of protein biomarkers in solution. **2023**, 14, ○
- 55 Multiparametric Biosensors for Characterizing Extracellular Vesicle Subpopulations. **2023**, 6, 387-398 ○
- 54 Exosome nanovesicles: A potential carrier for therapeutic delivery. **2023**, 49, 101771 ○

- 53 Micro RNA based MSC EV engineering: Targeting the BMP2 cascade for bone repair. 11, ○
- 52 The Effects of Graded Levels of Calorie Restriction: XIX. Impact of Graded Calorie Restriction on Protein Expression in the Liver. 1
- 51 Exosome-derived Small RNAs in mouse Sertoli cells inhibit spermatogonial apoptosis. **2023**, 200, 155-167 ○
- 50 Exosome-Encapsulated miR-31, miR-192, and miR-375 Serve as Clinical Biomarkers of Gastric Cancer. **2023**, 2023, 1-10 ○
- 49 Exosomes from M2c macrophages alleviate intervertebral disc degeneration by promoting synthesis of the extracellular matrix via MiR -124/ CILP / TGF - β ○
- 48 Exosomal microRNAs in cancer: Potential biomarkers and immunotherapeutic targets for immune checkpoint molecules. 14, ○
- 47 Empagliflozin-Pretreated Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Attenuated Heart Injury. **2023**, 2023, 1-17 ○
- 46 Extracellular Vesicles and MicroRNA in Myelodysplastic Syndromes. **2023**, 12, 658 ○
- 45 Tuning the Extracellular Vesicles Membrane through Fusion for Biomedical Applications. **2023**, 14, 117 ○
- 44 Targeting RNA N6-methyladenosine to synergize with immune checkpoint therapy. **2023**, 22, ○
- 43 A novel purity analysis method of bovine milk-derived exosomes by two-dimensional high-performance liquid chromatography. ○
- 42 Exosome secretion kinetics are controlled by temperature. **2023**, 122, 1301-1314 ○
- 41 RNA in extracellular vesicles during adolescence reveal immune, energetic and microbial imprints of early life adversity. ○
- 40 Exosomal microRNAs from PBMCs stimulated with culprit drugs enhanced keratinocyte cell death in Stevens-Johnson syndrome/toxic epidermal necrolysis. ○
- 39 Human gingival mesenchymal stem cell-derived exosomes cross-regulate the Wnt/ β -catenin and NF- κ B signalling pathways in the periodontal inflammation microenvironment. ○
- 38 Extracellular Vesicles Derived From Neural Stem Cells, Astrocytes, and Microglia as Therapeutics for Easing TBI-Induced Brain Dysfunction. **2023**, 12, 140-153 ○
- 37 Hepatocellular Carcinoma Cell-Derived Exosomal miR-21-5p Induces Macrophage M2 Polarization by Targeting RhoB. **2023**, 24, 4593 ○
- 36 Exosomal lncRNA HCG18 contributes to cholangiocarcinoma growth and metastasis through mediating miR-424-5p/SOX9 axis through PI3K/AKT pathway. **2023**, 30, 582-595 ○

- 35 The Roles of Exosomes in Metastasis of Sarcoma: From Biomarkers to Therapeutic Targets. **2023**, 13, 456 ○
- 34 Co-delivery of PDL1-blocking scFv and chemotherapeutics using engineered exosomes for cancer therapy. **2023**, 82, 104337 ○
- 33 Macrophage-derived exosomes mediate glomerular endothelial cell dysfunction in sepsis-associated acute kidney injury. **2023**, 13, ○
- 32 Exosome-Based Liquid Biopsy Approaches in Bone and Soft Tissue Sarcomas: Review of the Literature, Prospectives, and Hopes for Clinical Application. **2023**, 24, 5159 ○
- 31 Expression alteration of serum exosomal circular RNAs in obstructive sleep apnea patients with acute myocardial infarction. **2023**, 16, ○
- 30 The Use of Neural Stem Cells-Derived Exosomes to Prevent Late Radiation-Induced Cognitive Impairments in Mice. **2023**, 174, 571-577 ○
- 29 Small Extracellular Vesicles (sEVs) Biogenesis Molecular Players Are Associated with Clinical Outcome of Colorectal Cancer Patients. **2023**, 15, 1685 ○
- 28 Exosome-derived miRNAs regulate macrophage-colorectal cancer cell cross-talk during aggressive tumor development. **2023**, 12, ○
- 27 Exosomes and osteosarcoma drug resistance. 13, ○
- 26 Mechanism of epithelial-mesenchymal transition in cancer and its regulation by natural compounds. 1
- 25 PSA reactivity in extracellular microvesicles to commercial immunoassays. **2023**, 543, 117303 ○
- 24 Identifying signatures of EV secretion in metastatic breast cancer through functional single-cell profiling. **2023**, 26, 106482 ○
- 23 Extracellular vesicles as novel drug delivery systems to target cancer and other diseases: Recent advancements and future perspectives. 12, 329 ○
- 22 Extracellular vesicle-associated microRNA signatures related to lymphovascular invasion in early-stage lung adenocarcinoma. **2023**, 13, ○
- 21 Nanomaterial-based reactive oxygen species scavengers for osteoarthritis therapy. **2023**, ○
- 20 Astrocyte-Derived Exosomes Contribute to Pathologies of Neuromyelitis Optica Spectrum Disorder in Rodent Model. ○
- 19 Salivary Exosomes in Health and Disease: Future Prospects in the Eye. **2023**, 24, 6363 ○
- 18 Exosomes derived from synovial fibroblasts from patients with rheumatoid arthritis promote macrophage migration that can be suppressed by miR-124-3p. **2023**, 9, e14986 ○

- 17 Analytical device miniaturization for the detection of circulating biomarkers. ○
- 16 Effectiveness of Exosomes in the Immune Cascade. ○
- 15 Rhythm of the First Language: Dynamics of Extracellular Vesicle-Based Embryo-Maternal Communication in the Pre-Implantation Microenvironment. **2023**, 24, 6811 ○
- 14 Construction of a miRNA-mRNA network related to exosomes in metastatic hepatocellular carcinoma. **2023**, 9, e15428 ○
- 13 Connection of Cancer Exosomal LncRNAs, Sponging miRNAs, and Exosomal Processing and Their Potential Modulation by Natural Products. **2023**, 15, 2215 ○
- 12 Insights into Exosome Transport through the Blood-Brain Barrier and the Potential Therapeutical Applications in Brain Diseases. **2023**, 16, 571 ○
- 11 Improved intracellular delivery of exosomes by surface modification with fluorinated peptide dendrimers for promoting angiogenesis and migration of HUVECs. **2023**, 13, 11269-11277 ○
- 10 Therapeutic potential of MSCs and MSC-derived extracellular vesicles in immune thrombocytopenia. **2023**, 14, ○
- 9 The Emerging Biological Functions of Exosomes from Dental Tissue-Derived Mesenchymal Stem Cells. **2023**, 25, 53-64 ○
- 8 Extracellular vesicles engineering by silicates-activated endothelial progenitor cells for myocardial infarction treatment in male mice. **2023**, 14, ○
- 7 Exosomes: The Surreptitious Intercellular Messengers in the Body. ○
- 6 Comparison of proteomic landscape of extracellular vesicles in pleural effusions isolated by three strategies. 11, ○
- 5 Endothelial ACKR1 is induced by neutrophil contact and down-regulated by secretion in extracellular vesicles. 14, ○
- 4 Optical microscopic and spectroscopic detection of exosomes. **2023**, 117077 ○
- 3 Osteoimmune Interactions and Therapeutic Potential of Macrophage-Derived Small Extracellular Vesicles in Bone-Related Diseases. Volume 18, 2163-2180 ○
- 2 Biomimetic and bioinspired nano-platforms for cancer vaccine development. ○
- 1 A one-pot isothermal Cas12-based assay for the sensitive detection of microRNAs. ○