

CITATION REPORT

List of articles citing

Isolation and characterization of exosomes from cell culture supernatants and biological fluids

DOI: 10.1002/0471143030.cb0322s30

Current Protocols in Cell Biology, 2006, Chapter 3,
Unit 3.22.

Source: <https://exaly.com/paper-pdf/40568650/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2273	Human tumor-derived exosomes selectively impair lymphocyte responses to interleukin-2. 2007 , 67, 7458-66		394
2272	CD8+ dendritic cells use LFA-1 to capture MHC-peptide complexes from exosomes in vivo. 2007 , 179, 1489-96		198
2271	Increased exosome production from tumour cell cultures using the Integra CELLine Culture System. 2008 , 335, 98-105		91
2270	Itinerant exosomes: emerging roles in cell and tissue polarity. 2008 , 18, 199-209		318
2269	Induction of exosome release in primary B cells stimulated via CD40 and the IL-4 receptor. 2008 , 180, 8146-52		101
2268	Targeting tumor antigens to secreted membrane vesicles in vivo induces efficient antitumor immune responses. 2008 , 68, 1228-35		213
2267	Exosomes from bronchoalveolar fluid of tolerized mice prevent allergic reaction. 2008 , 181, 1519-25		132
2266	Thymus exosomes-like particles induce regulatory T cells. 2008 , 181, 5242-8		116
2265	Autophagy and exosomes in the aged retinal pigment epithelium: possible relevance to drusen formation and age-related macular degeneration. 2009 , 4, e4160		240
2264	No significant CTL cross-priming by dendritic cell-derived exosomes during murine lymphocytic choriomeningitis virus infection. 2009 , 182, 2213-20		16
2263	Cytomegalovirus-infected human endothelial cells can stimulate allogeneic CD4+ memory T cells by releasing antigenic exosomes. 2009 , 182, 1548-59		115
2262	Mitochondrial reactive oxygen species mediate GPCR-induced TACE/ADAM17-dependent transforming growth factor-alpha shedding. 2009 , 20, 5236-49		48
2261	Exosomes--vesicular carriers for intercellular communication. 2009 , 21, 575-81		1607
2260	Paracrine induction of endothelium by tumor exosomes. 2009 , 89, 1317-28		220
2259	Membrane vesicles as conveyors of immune responses. 2009 , 9, 581-93		2825
2258	Proteomic profiling of human plasma exosomes identifies PPARgamma as an exosome-associated protein. 2009 , 378, 433-8		119
2257	Characterization of exosome-like vesicles released from human tracheobronchial ciliated epithelium: a possible role in innate defense. 2009 , 23, 1858-68		261

2256	New mechanism for Notch signaling to endothelium at a distance by Delta-like 4 incorporation into exosomes. 2010 , 116, 2385-94	305
2255	Structural-mechanical characterization of nanoparticle exosomes in human saliva, using correlative AFM, FESEM, and force spectroscopy. 2010 , 4, 1921-6	244
2254	Exosome secreted by MSC reduces myocardial ischemia/reperfusion injury. 2010 , 4, 214-22	1493
2253	Exosomes from human lymphoblastoid B cells express enzymatically active CD38 that is associated with signaling complexes containing CD81, Hsc-70 and Lyn. 2010 , 316, 2692-706	49
2252	Cardiomyocyte progenitor cell-derived exosomes stimulate migration of endothelial cells. 2010 , 14, 1064-70	170
2251	Candidate biomarkers in exosome-like vesicles purified from rat and mouse urine samples. 2010 , 4, 416-25	99
2250	Optical and non-optical methods for detection and characterization of microparticles and exosomes. 2010 , 8, 2596-607	382
2249	The role of placental exosomes in reproduction. 2010 , 63, 520-33	165
2248	Rab27a and Rab27b control different steps of the exosome secretion pathway. 2010 , 12, 19-30; sup pp 1-13	1505
2247	Nanostructural and transcriptomic analyses of human saliva derived exosomes. 2010 , 5, e8577	236
2246	Exosomes account for vesicle-mediated transcellular transport of activatable phospholipases and prostaglandins. 2010 , 51, 2105-20	418
2245	Exosome release of Ectenin: a novel mechanism that antagonizes Wnt signaling. 2010 , 190, 1079-91	379
2244	Exosome-driven antigen transfer for MHC class II presentation facilitated by the receptor binding activity of influenza hemagglutinin. 2010 , 185, 6608-16	44
2243	Biliary exosomes influence cholangiocyte regulatory mechanisms and proliferation through interaction with primary cilia. 2010 , 299, G990-9	187
2242	Proteomics analysis of bladder cancer exosomes. 2010 , 9, 1324-38	301
2241	Cell-produced alpha-synuclein is secreted in a calcium-dependent manner by exosomes and impacts neuronal survival. 2010 , 30, 6838-51	761
2240	Membrane vesicles released by intestinal epithelial cells infected with rotavirus inhibit T-cell function. 2010 , 23, 595-608	39
2239	Exosomes from human macrophages and dendritic cells contain enzymes for leukotriene biosynthesis and promote granulocyte migration. 2010 , 126, 1032-40, 1040.e1-4	155

2238	Mesenchymal stem cell secretes microparticles enriched in pre-microRNAs. 2010 , 38, 215-24	478
2237	Exosomes: Naturally Occurring Minimal Antigen-Presenting Units. 2010 , 305-319	1
2236	Insulin-degrading enzyme sorting in exosomes: a secretory pathway for a key brain amyloid-beta degrading protease. 2010 , 19, 79-95	104
2235	Cancer exosomes trigger fibroblast to myofibroblast differentiation. 2010 , 70, 9621-30	563
2234	Exosomes from human CD34(+) stem cells mediate their proangiogenic paracrine activity. 2011 , 109, 724-8	457
2233	Detection and isolation of cell-derived microparticles are compromised by protein complexes resulting from shared biophysical parameters. 2011 , 117, e39-48	314
2232	Identification of a conserved glycan signature for microvesicles. 2011 , 10, 4624-33	180
2231	Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells. 2011 , 2, 282	1246
2230	Nanovesicles from <i>Malassezia sympodialis</i> and host exosomes induce cytokine responses--novel mechanisms for host-microbe interactions in atopic eczema. 2011 , 6, e21480	93
2229	Exosomes from <i>Plasmodium yoelii</i> -infected reticulocytes protect mice from lethal infections. 2011 , 6, e26588	129
2228	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68	713
2227	MicroRNAs are transported in plasma and delivered to recipient cells by high-density lipoproteins. 2011 , 13, 423-33	2018
2226	Cross-dressed dendritic cells drive memory CD8+ T-cell activation after viral infection. 2011 , 471, 629-32	204
2225	Delivery of siRNA to the mouse brain by systemic injection of targeted exosomes. 2011 , 29, 341-5	2697
2224	Sizing and phenotyping of cellular vesicles using Nanoparticle Tracking Analysis. 2011 , 7, 780-8	827
2223	Trophoblast deportation part II: a review of the maternal consequences of trophoblast deportation. 2011 , 32, 724-31	28
2222	Exosomes as biomarker treasure chests for prostate cancer. 2011 , 59, 823-31	217
2221	Exosomes as intercellular signalosomes and pharmacological effectors. 2011 , 81, 1171-82	406

2220	Proteolipidic composition of exosomes changes during reticulocyte maturation. 2011 , 286, 34426-39	126
2219	Quantitative nanostructural and single-molecule force spectroscopy biomolecular analysis of human-saliva-derived exosomes. 2011 , 27, 14394-400	137
2218	Isolation of exosomes for subsequent mRNA, MicroRNA, and protein profiling. 2011 , 784, 181-95	76
2217	Survivin is released from cancer cells via exosomes. 2011 , 16, 1-12	190
2216	Exosomes: immune properties and potential clinical implementations. 2011 , 33, 419-40	374
2215	Microvesicles as mediators of intercellular communication in cancer--the emerging science of cellular 'debris'. 2011 , 33, 455-67	391
2214	Membrane vesicles, current state-of-the-art: emerging role of extracellular vesicles. 2011 , 68, 2667-88	1397
2213	Background K(2P) channels KCNK3/9/15 limit the budding of cell membrane-derived vesicles. 2011 , 61, 585-94	5
2212	Advances in membranous vesicle and exosome proteomics improving biological understanding and biomarker discovery. 2011 , 11, 709-20	217
2211	Intercellular nanovesicle-mediated microRNA transfer: a mechanism of environmental modulation of hepatocellular cancer cell growth. 2011 , 54, 1237-48	417
2210	The role of membrane vesicles in tumorigenesis. 2011 , 79, 213-23	46
2209	Circulating microRNA expression is reduced in chronic kidney disease. 2011 , 26, 3794-802	161
2208	Antigen localization controls T cell-mediated tumor immunity. 2011 , 187, 1281-8	39
2207	Cancer exosomes express CD39 and CD73, which suppress T cells through adenosine production. 2011 , 187, 676-83	356
2206	Metastatic dormancy and progression in thyroid cancer: targeting cells in the metastatic frontier. 2011 , 21, 487-92	31
2205	Ultrastructural evidence of exosome secretion by progenitor cells in adult mouse myocardium and adult human cardiospheres. 2012 , 2012, 354605	54
2204	LST1 promotes the assembly of a molecular machinery responsible for tunneling nanotube formation. 2013 , 126, 767-77	83
2203	Mesenchymal stem cell secreted vesicles provide novel opportunities in (stem) cell-free therapy. 2012 , 3, 359	343

2202	Potential contribution of exosomes to the prion-like propagation of lesions in Alzheimer's disease. 2012 , 3, 229	84
2201	Sonic hedgehog-modified human CD34+ cells preserve cardiac function after acute myocardial infarction. 2012 , 111, 312-21	145
2200	Characterization of membrane-shed microvesicles from cytokine-stimulated T cells using proteomics strategies. 2012 , 11, 230-43	84
2199	Separate mechanisms act concurrently to shed and release the prion protein from the cell. 2012 , 6, 498-509	27
2198	Supernatants derived from chemotherapy-treated cancer cell lines can modify angiogenesis. 2012 , 106, 896-903	7
2197	Endosomal sorting by Semaphorin 4A in retinal pigment epithelium supports photoreceptor survival. 2012 , 26, 816-29	29
2196	Sphingolipid-modulated exosome secretion promotes clearance of amyloid- β by microglia. 2012 , 287, 10977-89	362
2195	Extracellular Tau levels are influenced by variability in Tau that is associated with tauopathies. 2012 , 287, 42751-62	114
2194	The exosome secretory pathway transports amyloid precursor protein carboxyl-terminal fragments from the cell into the brain extracellular space. 2012 , 287, 43108-15	242
2193	Leukocyte- and endothelial-derived microparticles: a circulating source for fibrinolysis. 2012 , 97, 1864-72	88
2192	CD4(+) T cell activation promotes the differential release of distinct populations of nanosized vesicles. 2012 , 1,	62
2191	Cellular stress conditions are reflected in the protein and RNA content of endothelial cell-derived exosomes. 2012 , 1,	392
2190	Diverse subpopulations of vesicles secreted by different intracellular mechanisms are present in exosome preparations obtained by differential ultracentrifugation. 2012 , 1,	360
2189	Microvesicles derived from human umbilical cord mesenchymal stem cells stimulated by hypoxia promote angiogenesis both in vitro and in vivo. 2012 , 21, 3289-97	193
2188	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. 2012 , 18, 1835-40	521
2187	Short-range exosomal transfer of viral RNA from infected cells to plasmacytoid dendritic cells triggers innate immunity. 2012 , 12, 558-70	345
2186	Exosomes mediate stromal mobilization of autocrine Wnt-PCP signaling in breast cancer cell migration. 2012 , 151, 1542-56	906
2185	Defining a new role of GW182 in maintaining miRNA stability. 2012 , 13, 1102-8	41

2184	Rab27a supports exosome-dependent and -independent mechanisms that modify the tumor microenvironment and can promote tumor progression. 2012 , 72, 4920-30	404
2183	In-depth analysis of the secretome identifies three major independent secretory pathways in differentiating human myoblasts. 2012 , 77, 344-56	97
2182	Exosome-associated tau is secreted in tauopathy models and is selectively phosphorylated in cerebrospinal fluid in early Alzheimer disease. 2012 , 287, 3842-9	640
2181	Immune surveillance properties of human NK cell-derived exosomes. 2012 , 189, 2833-42	260
2180	Different modalities of intercellular membrane exchanges mediate cell-to-cell p-glycoprotein transfers in MCF-7 breast cancer cells. 2012 , 287, 7374-87	92
2179	Active Wnt proteins are secreted on exosomes. 2012 , 14, 1036-45	652
2178	The tumor suppressor PTEN is exported in exosomes and has phosphatase activity in recipient cells. 2012 , 5, ra70	209
2177	Tumor-derived microvesicles: shedding light on novel microenvironment modulators and prospective cancer biomarkers. 2012 , 26, 1287-99	371
2176	Proteomic analysis of microvesicles from plasma of healthy donors reveals high individual variability. 2012 , 75, 3574-84	71
2175	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012 , 1820, 940-8	1295
2174	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. 2012 , 56, 293-304	722
2173	The recombinant tuberculosis vaccine rBCG ΔreC::hly(+) induces apoptotic vesicles for improved priming of CD4(+) and CD8(+) T cells. 2012 , 30, 7608-14	48
2172	Hypoxic enhancement of exosome release by breast cancer cells. 2012 , 12, 421	645
2171	Tissue factor-bearing exosome secretion from human mechanically stimulated bronchial epithelial cells <i>in vitro</i> and <i>in vivo</i> . 2012 , 130, 1375-83	80
2170	Extracellular miRNAs: the mystery of their origin and function. 2012 , 37, 460-5	370
2169	Immunomodulatory molecules are released from the first trimester and term placenta via exosomes. 2012 , 33, 982-90	113
2168	Novel roles for Crystallins in retinal function and disease. 2012 , 31, 576-604	91
2167	Exosomes in Cancer Microenvironment and Beyond: have we Overlooked these Extracellular Messengers?. 2012 , 5, 323-32	108

2166	Role of nanoparticle surface functionality in the disruption of model cell membranes. 2012 , 28, 16318-26	114
2165	Exosomal cell-to-cell transmission of alpha synuclein oligomers. 2012 , 7, 42	545
2164	Therapeutic effects of autologous tumor-derived nanovesicles on melanoma growth and metastasis. 2012 , 7, e33330	41
2163	Hyperphosphorylation and cleavage at D421 enhance tau secretion. 2012 , 7, e36873	101
2162	Exosome-related multi-pass transmembrane protein TSAP6 is a target of rhomboid protease RHBDD1-induced proteolysis. 2012 , 7, e37452	29
2161	Identification and proteomic profiling of exosomes in human cerebrospinal fluid. 2012 , 10, 5	315
2160	Quantitative proteomic analysis of exosomes from HIV-1-infected lymphocytic cells. 2012 , 12, 2203-11	37
2159	Mechanism of evenness interrupted (Evi)-exosome release at synaptic boutons. 2012 , 287, 16820-34	189
2158	Paired helical filaments from Alzheimer disease brain induce intracellular accumulation of Tau protein in aggresomes. 2012 , 287, 20522-33	91
2157	Nanoparticle tracking analysis monitors microvesicle and exosome secretion from immune cells. 2012 , 136, 192-7	201
2156	Recent advances on the role of tumor exosomes in immunosuppression and disease progression. 2012 , 22, 342-9	205
2155	Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery. 2012 , 161, 635-44	290
2154	Role of exosomes released by chronic myelogenous leukemia cells in angiogenesis. 2012 , 130, 2033-43	143
2153	Interferon- β stimulates p11-dependent surface expression of annexin A2 in lung epithelial cells to enhance phagocytosis. 2012 , 227, 2775-87	33
2152	Method for isolation and molecular characterization of extracellular microvesicles released from brain endothelial cells. 2013 , 10, 4	135
2151	Dystrophin deficiency leads to disturbance of LAMP1-vesicle-associated protein secretion. 2013 , 70, 2159-74	48
2150	FedExosomes: Engineering Therapeutic Biological Nanoparticles that Truly Deliver. 2013 , 6, 659-80	139
2149	Exosomes mediate the cell-to-cell transmission of IFN- β -induced antiviral activity. 2013 , 14, 793-803	367

2148	Deregulation of calcium homeostasis mediates secreted β -synuclein-induced neurotoxicity. 2013 , 34, 2853-65	57
2147	Exosomes: vesicular carriers for intercellular communication in neurodegenerative disorders. 2013 , 352, 33-47	216
2146	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
2145	First identification of Ewing's sarcoma-derived extracellular vesicles and exploration of their biological and potential diagnostic implications. 2013 , 105, 289-303	45
2144	Ionizing radiation and glioblastoma exosomes: implications in tumor biology and cell migration. 2013 , 6, 638-48	139
2143	Human adipose tissue-derived mesenchymal stem cells secrete functional neprilysin-bound exosomes. 2013 , 3, 1197	329
2142	Delivery of Functional Anti-miR-9 by Mesenchymal Stem Cell-derived Exosomes to Glioblastoma Multiforme Cells Conferred Chemosensitivity. 2013 , 2, e126	346
2141	Tumor Exosomes and Their Impact on Immunity and Cancer Progression. 2013 , 517-535	
2140	Magnetic nanosensor for detection and profiling of erythrocyte-derived microvesicles. 2013 , 7, 11227-33	77
2139	Detection of extracellular RNAs in cancer and viral infection via tethered cationic lipoplex nanoparticles containing molecular beacons. 2013 , 85, 11265-74	43
2138	Where do they come from and where do they go: candidates for regulating extracellular vesicle formation in fungi. 2013 , 14, 9581-603	48
2137	MicroRNA-containing microvesicles regulating inflammation in association with atherosclerotic disease. 2013 , 100, 7-18	246
2136	Synthetic nucleic acids delivered by exosomes: a potential therapeutic for gene-related metabolic brain diseases. 2013 , 28, 551-62	22
2135	Quantification of nanosized extracellular membrane vesicles with scanning ion occlusion sensing. 2013 , 8, 1443-58	88
2134	Current methods for the isolation of extracellular vesicles. 2013 , 394, 1253-62	367
2133	Characterization of multiple myeloma vesicles by label-free relative quantitation. 2013 , 13, 3013-29	28
2132	Cardiac myocyte exosomes: stability, HSP60, and proteomics. 2013 , 304, H954-65	158
2131	Exosomes as nano-theranostic delivery platforms for gene therapy. 2013 , 65, 357-67	166

2130	HIV Nef, paxillin, and Pak1/2 regulate activation and secretion of TACE/ADAM10 proteases. 2013 , 49, 668-79	72
2129	Antigen-specific, antibody-coated, exosome-like nanovesicles deliver suppressor T-cell microRNA-150 to effector T cells to inhibit contact sensitivity. 2013 , 132, 170-81	150
2128	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
2127	Tumor-derived exosomes and microvesicles in head and neck cancer: implications for tumor biology and biomarker discovery. 2013 , 13, 1608-23	91
2126	Extracellular vesicles: exosomes, microvesicles, and friends. 2013 , 200, 373-83	4759
2125	Drosophila S2 cells secrete wingless on exosome-like vesicles but the wingless gradient forms independently of exosomes. 2013 , 14, 82-96	121
2124	Exosomes and the kidney: blaming the messenger. 2013 , 18, 1-10	56
2123	Cross-Talk Between MSCs and Their Environments. 2013 , 169-192	
2122	Biogenesis of extracellular vesicles (EV): exosomes, microvesicles, retrovirus-like vesicles, and apoptotic bodies. 2013 , 113, 1-11	735
2121	Proinflammatory role of epithelial cell-derived exosomes in allergic airway inflammation. 2013 , 131, 1194-203, 1203.e1-14	171
2120	Extracellular vesicles: biology and emerging therapeutic opportunities. 2013 , 12, 347-57	1894
2119	Visualization and in vivo tracking of the exosomes of murine melanoma B16-BL6 cells in mice after intravenous injection. 2013 , 165, 77-84	412
2118	Characterization and proteomic analysis of ovarian cancer-derived exosomes. 2013 , 80, 171-82	202
2117	Exosomes and communication between tumours and the immune system: are all exosomes equal?. 2013 , 41, 263-7	94
2116	Heparanase regulates secretion, composition, and function of tumor cell-derived exosomes. 2013 , 288, 10093-10099	228
2115	The cardiovascular exosome: current perspectives and potential. 2013 , 13, 1654-9	42
2114	Methods of analysis of dendritic cell-derived exosome-shuttle microRNA and its horizontal propagation between dendritic cells. 2013 , 1024, 19-40	22
2113	Mesenchymal stem cells in regenerative medicine applied to rheumatic diseases: role of secretome and exosomes. 2013 , 95, 2229-34	166

2112	Endometrial exosomes/microvesicles in the uterine microenvironment: a new paradigm for embryo-endometrial cross talk at implantation. 2013 , 8, e58502	229
2111	Purification and microRNA profiling of exosomes derived from blood and culture media. 2013 , e50294	29
2110	Microvesicles derived from human bone marrow mesenchymal stem cells inhibit tumor growth. 2013 , 22, 758-71	217
2109	The unconventional secretion of stress-inducible protein 1 by a heterogeneous population of extracellular vesicles. 2013 , 70, 3211-27	43
2108	Identification and characterization of the nano-sized vesicles released by muscle cells. 2013 , 587, 1379-84	80
2107	Retinal pigment epithelium (RPE) exosomes contain signaling phosphoproteins affected by oxidative stress. 2013 , 319, 2113-2123	80
2106	Dynamics of exosome internalization and trafficking. 2013 , 228, 1487-95	202
2105	Proteolytic factors in exosomes. 2013 , 13, 1624-36	72
2104	Exosomes neutralize synaptic-plasticity-disrupting activity of A β assemblies in vivo. 2013 , 6, 47	119
2103	Proteomic analysis of exosomes from mutant KRAS colon cancer cells identifies intercellular transfer of mutant KRAS. 2013 , 12, 343-55	355
2102	Induction of pulmonary hypertensive changes by extracellular vesicles from monocrotaline-treated mice. 2013 , 100, 354-62	47
2101	Two distinct populations of exosomes are released from LIM1863 colon carcinoma cell-derived organoids. 2013 , 12, 587-98	287
2100	The complete exosome workflow solution: from isolation to characterization of RNA cargo. 2013 , 2013, 253957	124
2099	Sialoglycoproteins and N-glycans from secreted exosomes of ovarian carcinoma cells. 2013 , 8, e78631	70
2098	Human immunodeficiency virus-1 transgene expression increases pulmonary vascular resistance and exacerbates hypoxia-induced pulmonary hypertension development. 2013 , 3, 58-67	27
2097	Constitutive interferon-inducible protein 16-inflammasome activation during Epstein-Barr virus latency I, II, and III in B and epithelial cells. 2013 , 87, 8606-23	131
2096	Kaposi's sarcoma-associated herpesvirus latency in endothelial and B cells activates gamma interferon-inducible protein 16-mediated inflammasomes. 2013 , 87, 4417-31	112
2095	Induction of microRNA resistance and secretion in differentiating human endometrial stromal cells. 2013 , 5, 67-70	13

2094	MiR-21 in the extracellular vesicles (EVs) of cerebrospinal fluid (CSF): a platform for glioblastoma biomarker development. 2013 , 8, e78115	206
2093	Microvesicles as potential ovarian cancer biomarkers. 2013 , 2013, 703048	38
2092	Intercellular communication by exosome-derived microRNAs in cancer. 2013 , 14, 14240-69	336
2091	Synergistic induction of adaptive antitumor immunity by codelivery of antigen with β -galactosylceramide on exosomes. 2013 , 73, 3865-76	87
2090	Cell-mediated drug delivery to the brain. 2013 , 23, 419-433	21
2089	Regulated capture by exosomes of mRNAs for cytoplasmic tRNA synthetases. 2013 , 288, 29223-8	11
2088	Exosomal Proteome Profiling: A Potential Multi-Marker Cellular Phenotyping Tool to Characterize Hypoxia-Induced Radiation Resistance in Breast Cancer. 2013 , 1, 87-108	39
2087	Cardiovascular extracellular microRNAs: emerging diagnostic markers and mechanisms of cell-to-cell RNA communication. 2013 , 4, 214	43
2086	How pure are your vesicles?. 2013 , 2,	376
2085	Tumour-derived exosomes as antigen delivery carriers in dendritic cell-based immunotherapy for malignant mesothelioma. 2013 , 2,	75
2084	Standardization of sample collection, isolation and analysis methods in extracellular vesicle research. 2013 , 2,	1409
2083	As we wait: coping with an imperfect nomenclature for extracellular vesicles. 2013 , 2,	581
2082	Transcriptome of extracellular vesicles released by hepatocytes. 2013 , 8, e68693	46
2081	Osteoprotegerin in exosome-like vesicles from human cultured tubular cells and urine. 2013 , 8, e72387	40
2080	Surface glycosylation profiles of urine extracellular vesicles. 2013 , 8, e74801	77
2079	Intracellular modulation, extracellular disposal and serum increase of MiR-150 mark lymphocyte activation. 2013 , 8, e75348	58
2078	Specific transfection of inflamed brain by macrophages: a new therapeutic strategy for neurodegenerative diseases. 2013 , 8, e61852	90
2077	Proteome profiling of neuroblastoma-derived exosomes reveal the expression of proteins potentially involved in tumor progression. 2013 , 8, e75054	101

2076	Characterization of human thymic exosomes. 2013 , 8, e67554	55
2075	Signaling pathways in exosomes biogenesis, secretion and fate. 2013 , 4, 152-70	225
2074	Interactions between exosomes from breast cancer cells and primary mammary epithelial cells leads to generation of reactive oxygen species which induce DNA damage response, stabilization of p53 and autophagy in epithelial cells. 2014 , 9, e97580	95
2073	Ischemic preconditioning potentiates the protective effect of stem cells through secretion of exosomes by targeting Mecp2 via miR-22. 2014 , 9, e88685	294
2072	Proteomic analysis of C2C12 myoblast and myotube exosome-like vesicles: a new paradigm for myoblast-myotube cross talk?. 2014 , 9, e84153	95
2071	Inter-cellular exchange of cellular components via VE-cadherin-dependent trans-endocytosis. 2014 , 9, e90736	7
2070	Epstein-Barr virus-encoded small RNAs (EBERs) are present in fractions related to exosomes released by EBV-transformed cells. 2014 , 9, e99163	63
2069	GDNF-transfected macrophages produce potent neuroprotective effects in Parkinson's disease mouse model. 2014 , 9, e106867	89
2068	Rapid isolation of extracellular vesicles from cell culture and biological fluids using a synthetic peptide with specific affinity for heat shock proteins. 2014 , 9, e110443	112
2067	In vitro evaluation of endothelial exosomes as carriers for small interfering ribonucleic acid delivery. 2014 , 9, 4223-30	52
2066	Human B Cell-Derived Lymphoblastoid Cell Lines Constitutively Produce Fas Ligand and Secrete MHCII(+)/FasL(+) Killer Exosomes. 2014 , 5, 144	54
2065	Exosomes/miRNAs as mediating cell-based therapy of stroke. 2014 , 8, 377	197
2064	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. 2014 , 124, 2136-46	617
2063	Characterization and Functional Modification of Extracellular Vesicles. 2014 , 29, 108-115	
2062	Exosome identification for personalized diagnosis and therapy. 2014 , 4, 258-268	5
2061	Tumor-derived exosomes: A message delivery system for tumor progression. 2014 , 7, e28231	77
2060	Investigation of soluble and transmembrane CTLA-4 isoforms in serum and microvesicles. 2014 , 193, 889-900	23
2059	Considerations for applying metabolomics to the analysis of extracellular vesicles. 2014 , 5, 651	16

2058	Extracellular vesicle-mediated transfer of genetic information between the hematopoietic system and the brain in response to inflammation. 2014 , 12, e1001874	238
2057	Implication of human endogenous retrovirus envelope proteins in placental functions. 2014 , 6, 4609-27	64
2056	Update on controls for isolation and quantification methodology of extracellular vesicles derived from adipose tissue mesenchymal stem cells. 2014 , 5, 525	58
2055	Exosomes derived from mesenchymal stem cells. 2014 , 15, 4142-57	415
2054	Ecto-nucleotidases activities in the contents of ovarian endometriomas: potential biomarkers of endometriosis. 2014 , 2014, 120673	11
2053	Immunotherapeutic potential of extracellular vesicles. 2014 , 5, 518	119
2052	Exosomes Derived from Breast Cancer Cells, Small Trojan Horses?. 2014 , 19, 303-13	16
2051	Curcumin promotes exosomes/microvesicles secretion that attenuates lysosomal cholesterol traffic impairment. 2014 , 58, 687-97	28
2050	Proteome-metabolome profiling of ovarian cancer ascites reveals novel components involved in intercellular communication. 2014 , 13, 3558-71	76
2049	The ESCRT machinery regulates the secretion and long-range activity of Hedgehog. 2014 , 516, 99-103	102
2048	Platelets store laminins 411/421 and 511/521 in compartments distinct from α or dense granules and secrete these proteins via microvesicles. 2014 , 12, 519-27	17
2047	Exosomes secreted by nematode parasites transfer small RNAs to mammalian cells and modulate innate immunity. 2014 , 5, 5488	455
2046	Galectin-3, a biomarker linking oxidative stress and inflammation with the clinical outcomes of patients with atherothrombosis. 2014 , 3,	95
2045	Enhancement of Gemcitabine sensitivity in pancreatic adenocarcinoma by novel exosome-mediated delivery of the Survivin-T34A mutant. 2014 , 3,	65
2044	Glioblastoma extracellular vesicles: reservoirs of potential biomarkers. 2014 , 7, 65-77	43
2043	Proteomics analysis of cancer exosomes using a novel modified aptamer-based array (SOMAscan) platform. 2014 , 13, 1050-64	119
2042	Co-isolation of extracellular vesicles and high-density lipoproteins using density gradient ultracentrifugation. 2014 , 3,	197
2041	Placenta-derived exosomes continuously increase in maternal circulation over the first trimester of pregnancy. 2014 , 12, 204	214

2040	Adiponectin is partially associated with exosomes in mouse serum. 2014 , 448, 261-6	61
2039	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
2038	Exosomes and their role in CNS viral infections. 2014 , 20, 199-208	58
2037	The potential of exosomes in diagnosis and treatment of inborn errors of metabolism. 2014 , 37, 497-504	2
2036	Paper-based immunoaffinity devices for accessible isolation and characterization of extracellular vesicles. 2014 , 16, 849-856	23
2035	Ovarian cancer cell invasiveness is associated with discordant exosomal sequestration of Let-7 miRNA and miR-200. 2014 , 12, 4	139
2034	Cellular phenotype and extracellular vesicles: basic and clinical considerations. 2014 , 23, 1429-36	61
2033	Intercellular transfer of GPRC5B via exosomes drives HGF-mediated outward growth. 2014 , 24, 199-204	30
2032	Glioma-associated stem cells: a novel class of tumor-supporting cells able to predict prognosis of human low-grade gliomas. 2014 , 32, 1239-53	68
2031	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. 2014 , 32, 490-5	826
2030	Exosomes and microvesicles: identification and targeting by particle size and lipid chemical probes. 2014 , 15, 923-8	113
2029	The overexpression of a single oncogene (ERBB2/HER2) alters the proteomic landscape of extracellular vesicles. 2014 , 14, 1472-9	38
2028	Exosomes are involved in mediating radiation induced bystander signaling in human keratinocyte cells. 2014 , 181, 138-45	117
2027	Curcumin-primed exosomes mitigate endothelial cell dysfunction during hyperhomocysteinemia. 2014 , 107, 1-7	81
2026	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
2025	A novel "salting-out" procedure for the isolation of tumor-derived exosomes. 2014 , 407, 120-6	63
2024	Particle size distribution of exosomes and microvesicles determined by transmission electron microscopy, flow cytometry, nanoparticle tracking analysis, and resistive pulse sensing. 2014 , 12, 1182-92	548
2023	Identification of double-stranded genomic DNA spanning all chromosomes with mutated KRAS and p53 DNA in the serum exosomes of patients with pancreatic cancer. 2014 , 289, 3869-75	632

2022	Isolation of circulating microRNAs from microvesicles found in human plasma. 2014 , 1102, 641-53	26
2021	Extracellular vesicles derived from human bone marrow mesenchymal stem cells promote angiogenesis in a rat myocardial infarction model. 2014 , 92, 387-97	444
2020	Exosomes as new vesicular lipid transporters involved in cell-cell communication and various pathophysiologies. 2014 , 1841, 108-20	520
2019	Exosomes: an emerging factor in stress-induced immunomodulation. 2014 , 26, 394-401	75
2018	A doxorubicin delivery platform using engineered natural membrane vesicle exosomes for targeted tumor therapy. 2014 , 35, 2383-90	993
2017	The emerging role of extracellular vesicles as biomarkers for urogenital cancers. 2014 , 11, 688-701	201
2016	Benchtop isolation and characterization of functional exosomes by sequential filtration. 2014 , 1371, 125-35	168
2015	Cancer exosomes perform cell-independent microRNA biogenesis and promote tumorigenesis. 2014 , 26, 707-21	1032
2014	Liquid biopsies in lung cancer: the new ambrosia of researchers. 2014 , 1846, 539-46	95
2013	Exosome transfer from stromal to breast cancer cells regulates therapy resistance pathways. 2014 , 159, 499-513	542
2012	MicroRNA-containing T-regulatory-cell-derived exosomes suppress pathogenic T helper 1 cells. 2014 , 41, 89-103	320
2011	Quantitative and stoichiometric analysis of the microRNA content of exosomes. 2014 , 111, 14888-93	676
2010	First demonstration of transmissible spongiform encephalopathy-associated prion protein (PrPTSE) in extracellular vesicles from plasma of mice infected with mouse-adapted variant Creutzfeldt-Jakob disease by in vitro amplification. 2014 , 289, 29247-60	46
2009	Angiopoietin-2 secretion by endothelial cell exosomes: regulation by the phosphatidylinositol 3-kinase (PI3K)/Akt/endothelial nitric oxide synthase (eNOS) and syndecan-4/syntenin pathways. 2014 , 289, 510-9	61
2008	Molecular and dimensional profiling of highly purified extracellular vesicles by fluorescence fluctuation spectroscopy. 2014 , 86, 7229-33	31
2007	Regulation of nuclear translocation of the Myb1 transcription factor by TvCyclophilin 1 in the protozoan parasite <i>Trichomonas vaginalis</i> . 2014 , 289, 19120-36	13
2006	Extracellular vesicles as a platform for 'liquid biopsy' in glioblastoma patients. 2014 , 14, 819-25	90
2005	NodalGdf1 heterodimers with bound prodomains enable serum-independent nodal signaling and endoderm differentiation. 2014 , 289, 17854-71	30

2004	Loss of the Timp gene family is sufficient for the acquisition of the CAF-like cell state. 2014 , 16, 889-901	139
2003	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. 2014 , 57, 2155-64	95
2002	Large-scale generation of cell-derived nanovesicles. 2014 , 6, 12056-64	112
2001	Human T-lymphotropic virus type 1-infected cells secrete exosomes that contain Tax protein. 2014 , 289, 22284-305	110
2000	Decreased amyloid- β pathologies by intracerebral loading of glycosphingolipid-enriched exosomes in Alzheimer model mice. 2014 , 289, 24488-98	185
1999	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
1998	Label-free quantitative proteomic analysis of human plasma-derived microvesicles to find protein signatures of abdominal aortic aneurysms. 2014 , 8, 620-5	19
1997	Biogenesis, secretion, and intercellular interactions of exosomes and other extracellular vesicles. 2014 , 30, 255-89	3261
1996	Pancreatic cancer derived exosomes regulate the expression of TLR4 in dendritic cells via miR-203. 2014 , 292, 65-9	185
1995	Isolation of biologically-active exosomes from human plasma. 2014 , 411, 55-65	278
1994	Syncytin proteins incorporated in placenta exosomes are important for cell uptake and show variation in abundance in serum exosomes from patients with preeclampsia. 2014 , 28, 3703-19	118
1993	Improvement of cloned embryos development by co-culturing with parthenotes: a possible role of exosomes/microvesicles for embryos paracrine communication. 2014 , 16, 223-34	90
1992	Regulation of ACVR1 and ID2 by cell-secreted exosomes during follicle maturation in the mare. 2014 , 12, 44	54
1991	Extracellular vesicles shed by glioma cells: pathogenic role and clinical value. 2014 , 35, 8425-38	56
1990	Proteins recruited to exosomes by tau overexpression implicate novel cellular mechanisms linking tau secretion with Alzheimer's disease. 2014 , 40 Suppl 1, S47-70	45
1989	Exosome uptake through clathrin-mediated endocytosis and macropinocytosis and mediating miR-21 delivery. 2014 , 289, 22258-67	371
1988	Urinary extracellular microvesicles: isolation methods and prospects for urinary proteome. 2014 , 14, 1922-32	59
1987	A review of exosome separation techniques and characterization of B16-F10 mouse melanoma exosomes with AF4-UV-MALS-DLS-TEM. 2014 , 406, 7855-66	116

1986	IFN β stimulated dendritic cell exosomes as a potential therapeutic for remyelination. 2014 , 266, 12-23	129
1985	Maximizing exosome colloidal stability following electroporation. 2014 , 448, 41-9	178
1984	In-depth proteomic analyses of ovarian cancer cell line exosomes reveals differential enrichment of functional categories compared to the NCI 60 proteome. 2014 , 445, 694-701	80
1983	Bladder cancer exosomes contain EDIL-3/Del1 and facilitate cancer progression. 2014 , 192, 583-92	134
1982	Cancer-secreted miR-105 destroys vascular endothelial barriers to promote metastasis. 2014 , 25, 501-15	897
1981	Urinary extracellular vesicles and the kidney: biomarkers and beyond. 2014 , 306, F1251-9	119
1980	Extracellular vesicles: specialized bone messengers. 2014 , 561, 38-45	20
1979	Microvesicles derived from mesenchymal stromal cells are not as effective as their cellular counterpart in the ability to modulate immune responses in vitro. 2014 , 23, 2591-9	90
1978	Danger signalling during cancer cell death: origins, plasticity and regulation. 2014 , 21, 26-38	155
1977	The HIV Nef protein modulates cellular and exosomal miRNA profiles in human monocytic cells. 2014 , 3,	59
1976	Issues and prospects of microRNA-based biomarkers in blood and other body fluids. 2014 , 19, 6080-105	67
1975	Soma-to-germline transmission of RNA in mice xenografted with human tumour cells: possible transport by exosomes. 2014 , 9, e101629	95
1974	Different immunogenicity but similar antitumor efficacy of two DNA vaccines coding for an antigen secreted in different membrane vesicle-associated forms. 2014 , 3,	30
1973	Exosomes secreted by cortical neurons upon glutamatergic synapse activation specifically interact with neurons. 2014 , 3, 24722	159
1972	The influence of rotor type and centrifugation time on the yield and purity of extracellular vesicles. 2014 , 3,	247
1971	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. 2014 , 3, 26913	1589
1970	The impact of disparate isolation methods for extracellular vesicles on downstream RNA profiling. 2014 , 3,	533
1969	Importance of exosome depletion protocols to eliminate functional and RNA-containing extracellular vesicles from fetal bovine serum. 2014 , 3,	250

1968	Comparative analysis of discrete exosome fractions obtained by differential centrifugation. 2014 , 3, 25011	187
1967	Single-step isolation of extracellular vesicles by size-exclusion chromatography. 2014 , 3,	582
1966	Endothelial and cancer cells interact with mesenchymal stem cells via both microparticles and secreted factors. 2014 , 18, 2372-84	32
1965	Ambient particulate matter and microRNAs in extracellular vesicles: a pilot study of older individuals. 2016 , 13, 13	71
1964	Identification of distinct circulating exosomes in Parkinson's disease. 2015 , 2, 353-61	93
1963	Gap junctional protein Cx43 is involved in the communication between extracellular vesicles and mammalian cells. 2015 , 5, 13243	101
1962	MicroRNA125b-mediated Hedgehog signaling influences liver regeneration by chorionic plate-derived mesenchymal stem cells. 2015 , 5, 14135	84
1961	Isolation of exosomes by differential centrifugation: Theoretical analysis of a commonly used protocol. 2015 , 5, 17319	267
1960	Extracellular vesicles are rapidly purified from human plasma by Protein Organic Solvent Precipitation (PROSPR). 2015 , 5, 14664	74
1959	Assessment of endogenous reference gene suitability for serum exosomal microRNA expression analysis in liver carcinoma resection studies. 2015 , 12, 4683-4691	36
1958	Characterization of CLL exosomes reveals a distinct microRNA signature and enhanced secretion by activation of BCR signaling. 2015 , 125, 3297-305	107
1957	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
1956	Nanoparticle Targeting and Cholesterol Flux Through Scavenger Receptor Type B-1 Inhibits Cellular Exosome Uptake. 2015 , 5, 15724	56
1955	Simplified protocol for flow cytometry analysis of fluorescently labeled exosomes and microvesicles using dedicated flow cytometer. 2015 , 4, 25530	232
1954	High-speed centrifugation induces aggregation of extracellular vesicles. 2015 , 4, 29509	271
1953	Macrophage-dependent clearance of systemically administered B16BL6-derived exosomes from the blood circulation in mice. 2015 , 4, 26238	279
1952	Optimized exosome isolation protocol for cell culture supernatant and human plasma. 2015 , 4, 27031	823
1951	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. 2015 , 4, 30087	722

1950	Noninvasive imaging of radiolabeled exosome-mimetic nanovesicle using (99m)Tc-HMPAO. 2015 , 5, 15636	137
1949	A modified precipitation method to isolate urinary exosomes. 2015 , 51158	11
1948	High-yield isolation of extracellular vesicles using aqueous two-phase system. 2015 , 5, 13103	84
1947	Single exosome study reveals subpopulations distributed among cell lines with variability related to membrane content. 2015 , 4, 28533	180
1946	Size Exclusion HPLC Detection of Small-Size Impurities as a Complementary Means for Quality Analysis of Extracellular Vesicles. 2015 , 4, 6	8
1945	An innovative method for exosome quantification and size measurement. 2015 , 50974	50
1944	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
1943	Detection of exosomal biomarker by electric field-induced release and measurement (EFIRM). 2015 , 52439	12
1942	Oral administration of bovine milk derived extracellular vesicles attenuates arthritis in two mouse models. 2015 , 59, 1701-12	144
1941	Proteomic approach to understand metastatic spread. 2015 , 9, 1069-77	3
1940	Latent HIV-1 is activated by exosomes from cells infected with either replication-competent or defective HIV-1. 2015 , 12, 87	63
1939	Proteomic analysis of extracellular vesicles from medullospheres reveals a role for iron in the cancer progression of medulloblastoma. 2015 , 3, 8	17
1938	Recent advances in mesenchymal stem cell immunomodulation: the role of microvesicles. 2015 , 24, 133-49	79
1937	Protein and small non-coding RNA-enriched extracellular vesicles are released by the pathogenic blood fluke <i>Schistosoma mansoni</i> . 2015 , 4, 28665	101
1936	Microvesicles from platelets: novel drivers of vascular inflammation. 2015 , 114, 228-36	71
1935	The secret life of extracellular vesicles in metal homeostasis and neurodegeneration. 2015 , 107, 389-418	30
1934	Driving the Hypoxia-Inducible Pathway in Human Pericytes Promotes Vascular Density in an Exosome-Dependent Manner. 2015 , 22, 711-23	46
1933	Flow Cytometry of Extracellular Vesicles: Potential, Pitfalls, and Prospects. 2015 , 73, 13.14.1-13.14.16	51

1932	Glioblastoma-derived extracellular vesicles modify the phenotype of monocytic cells. 2015 , 137, 1630-42	117
1931	Exosome Function in miRNA-Mediated Paracrine Effects. 2015 , 37-62	4
1930	Stem Cell Extracellular Vesicles: A Novel Cell-Based Therapy for Cardiovascular Diseases. 2015 , 93-117	2
1929	Microvesicles as a potential biomarker of neoplastic diseases and their role in development and progression of neoplasm. 2015 , 14, 283-91	4
1928	Tumor-derived exosomes in cancer progression and treatment failure. 2015 , 6, 37151-68	157
1927	Exosomes and Their Role in the Life Cycle and Pathogenesis of RNA Viruses. 2015 , 7, 3204-25	145
1926	Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications. 2015 , 139-159	
1925	Stabilization of Urinary MicroRNAs by Association with Exosomes and Argonaute 2 Protein. 2015 , 1, 151-166	29
1924	Extracellular vesicles from infected cells: potential for direct pathogenesis. 2015 , 6, 1132	93
1923	Check and mate to exosomal extracellular miRNA: new lesson from a new approach. 2015 , 2, 11	36
1922	Neuroinflammation and Depression: Microglia Activation, Extracellular Microvesicles and microRNA Dysregulation. 2015 , 9, 476	308
1921	Involvement of multiple myeloma cell-derived exosomes in osteoclast differentiation. 2015 , 6, 13772-89	124
1920	Exosomes are unlikely involved in intercellular Nef transfer. 2015 , 10, e0124436	26
1919	Isolation of Exosomes from Blood Plasma: Qualitative and Quantitative Comparison of Ultracentrifugation and Size Exclusion Chromatography Methods. 2015 , 10, e0145686	359
1918	Isolation of High-Purity Extracellular Vesicles by Extracting Proteins Using Aqueous Two-Phase System. 2015 , 10, e0129760	32
1917	CLL Exosomes Modulate the Transcriptome and Behaviour of Recipient Stromal Cells and Are Selectively Enriched in miR-202-3p. 2015 , 10, e0141429	50
1916	Curcumin Mitigates the Intracellular Lipid Deposit Induced by Antipsychotics In Vitro. 2015 , 10, e0141829	16
1915	Monocyte Caspase-1 Is Released in a Stable, Active High Molecular Weight Complex Distinct from the Unstable Cell Lysate-Activated Caspase-1. 2015 , 10, e0142203	32

1914	Interferon- β Inhibits Ebola Virus Infection. 2015 , 11, e1005263	49
1913	Commercial cow milk contains physically stable extracellular vesicles expressing immunoregulatory TGF- β 2015 , 10, e0121123	116
1912	Extracellular Vesicles as Biomarkers of Systemic Lupus Erythematosus. 2015 , 2015, 613536	30
1911	Breast Cancer-Derived Extracellular Vesicles: Characterization and Contribution to the Metastatic Phenotype. 2015 , 2015, 634865	50
1910	A New Paradigm in Cardiac Regeneration: The Mesenchymal Stem Cell Secretome. 2015 , 2015, 765846	90
1909	Exosomes: novel biomarkers for clinical diagnosis. 2015 , 2015, 657086	287
1908	Identification of endogenous controls for analyzing serum exosomal miRNA in patients with hepatitis B or hepatocellular carcinoma. 2015 , 2015, 893594	67
1907	Cyr61 as mediator of Src signaling in triple negative breast cancer cells. 2015 , 6, 13520-38	22
1906	Molecular profiling of prostate cancer derived exosomes may reveal a predictive signature for response to docetaxel. 2015 , 6, 21740-54	84
1905	Identification of prostate cancer biomarkers in urinary exosomes. 2015 , 6, 30357-76	138
1904	Heparin affinity purification of extracellular vesicles. 2015 , 5, 10266	113
1903	Emerging roles of exosomes in normal and pathological conditions: new insights for diagnosis and therapeutic applications. 2015 , 6, 203	377
1902	Combined treatment with a pH-sensitive fusogenic peptide and cationic lipids achieves enhanced cytosolic delivery of exosomes. 2015 , 5, 10112	136
1901	Integrated isolation and quantitative analysis of exosome shuttled proteins and nucleic acids using immunocapture approaches. 2015 , 87, 46-58	217
1900	Exosomes as drug delivery vehicles for Parkinson's disease therapy. 2015 , 207, 18-30	889
1899	Cell-specific uptake of mantle cell lymphoma-derived exosomes by malignant and non-malignant B-lymphocytes. 2015 , 364, 59-69	83
1898	Exosomes from dental pulp stem cells rescue human dopaminergic neurons from 6-hydroxy-dopamine-induced apoptosis. 2015 , 17, 932-9	145
1897	Vertebrate Hedgehog is secreted on two types of extracellular vesicles with different signaling properties. 2014 , 4, 7357	78

1896	Extracellular vesicles: potential applications in cancer diagnosis, prognosis, and epidemiology. 2015 , 15, 6	101
1895	A TRP Channel Senses Lysosome Neutralization by Pathogens to Trigger Their Expulsion. 2015 , 161, 1306-19	174
1894	Methods for extracellular vesicles isolation in a hospital setting. 2015 , 6, 50	75
1893	Exosome-mediated microRNA signaling from breast cancer cells is altered by the anti-angiogenesis agent docosahexaenoic acid (DHA). 2015 , 14, 133	140
1892	Solution-Phase Crosstalk and Regulatory Interactions Between Multipotent Adult Progenitor Cells and Peripheral Blood Mononuclear Cells. 2015 , 4, 1436-49	4
1891	Systemic Administration of Human Bone Marrow-Derived Mesenchymal Stromal Cell Extracellular Vesicles Ameliorates Aspergillus Hyphal Extract-Induced Allergic Airway Inflammation in Immunocompetent Mice. 2015 , 4, 1302-16	146
1890	Extracellular Vesicles from Bovine Follicular Fluid Support Cumulus Expansion. 2015 , 93, 117	79
1889	The fusion of two worlds: non-coding RNAs and extracellular vesicles--diagnostic and therapeutic implications (Review). 2015 , 46, 17-27	152
1888	Glioblastoma exosomes and IGF-1R/AS-ODN are immunogenic stimuli in a translational research immunotherapy paradigm. 2015 , 64, 299-309	30
1887	Exploring alternative ovarian cancer biomarkers using innovative nanotechnology strategies. 2015 , 34, 75-82	8
1886	Dll4-containing exosomes induce capillary sprout retraction in a 3D microenvironment. 2014 , 4, 4031	75
1885	Acoustic purification of extracellular microvesicles. 2015 , 9, 2321-7	287
1884	ATG12-ATG3 interacts with Alix to promote basal autophagic flux and late endosome function. 2015 , 17, 300-10	165
1883	Breast-cancer-secreted miR-122 reprograms glucose metabolism in premetastatic niche to promote metastasis. 2015 , 17, 183-94	669
1882	Acceleration of β -synuclein aggregation by exosomes. 2015 , 290, 2969-82	228
1881	Bone marrow-derived mesenchymal stromal cells harness purinergic signaling to tolerize human Th1 cells in vivo. 2015 , 33, 1200-12	85
1880	Analysis of exosome purification methods using a model liposome system and tunable-resistive pulse sensing. 2015 , 5, 7639	184
1879	Inflammation-induced endothelial cell-derived extracellular vesicles modulate the cellular status of pericytes. 2015 , 5, 8505	96

1878	Differential fates of biomolecules delivered to target cells via extracellular vesicles. 2015 , 112, E1433-42	296
1877	Protein misfolding cyclic amplification (PMCA): Current status and future directions. 2015 , 207, 47-61	28
1876	The VE integrin is transferred intercellularly via exosomes. 2015 , 290, 4545-4551	119
1875	Breast Cancer-Specific miR Signature Unique to Extracellular Vesicles Includes "microRNA-like" tRNA Fragments. 2015 , 13, 891-901	70
1874	Involvement of miRNAs and Cell-Secreted Vesicles in Mammalian Ovarian Antral Follicle Development. 2015 , 22, 1474-83	26
1873	Extracellular vesicle-mediated transfer of functional RNA in the tumor microenvironment. 2015 , 4, e1008371	182
1872	Transmission of innate immune signaling by packaging of cGAMP in viral particles. 2015 , 349, 1232-6	172
1871	The potential of tumor-derived exosomes for noninvasive cancer monitoring. 2015 , 15, 1293-310	92
1870	Fibroblasts Rendered Antifibrotic, Antiapoptotic, and Angiogenic by Priming With Cardiosphere-Derived Extracellular Membrane Vesicles. 2015 , 66, 599-611	93
1869	Using exosomes, naturally-equipped nanocarriers, for drug delivery. 2015 , 219, 396-405	491
1868	Active macropinocytosis induction by stimulation of epidermal growth factor receptor and oncogenic Ras expression potentiates cellular uptake efficacy of exosomes. 2015 , 5, 10300	159
1867	Cell-derived extracellular vesicles as a platform to identify low-invasive disease biomarkers. 2015 , 15, 907-23	39
1866	Bacterial Membrane Vesicles Mediate the Release of Mycobacterium tuberculosis Lipoglycans and Lipoproteins from Infected Macrophages. 2015 , 195, 1044-53	75
1865	Putting the Squeeze on Airway Epithelia. 2015 , 30, 293-303	25
1864	Physical characterization and profiling of airway epithelial derived exosomes using light scattering. 2015 , 87, 59-63	64
1863	Glypican-1 identifies cancer exosomes and detects early pancreatic cancer. 2015 , 523, 177-82	1678
1862	Cutting Edge: Regulation of Exosome Secretion by the Integral MAL Protein in T Cells. 2015 , 195, 810-4	22
1861	Generation of nanovesicles with sliced cellular membrane fragments for exogenous material delivery. 2015 , 59, 12-20	67

1860	Neisseria gonorrhoeae Modulates Cell Death in Human Endocervical Epithelial Cells through Export of Exosome-Associated cIAP2. 2015 , 83, 3410-7	11
1859	Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. 2015 , 6, 7321	447
1858	Thioredoxin-1/peroxiredoxin-1 as sensors of oxidative stress mediated by NADPH oxidase activity in atherosclerosis. 2015 , 86, 352-61	29
1857	HPV-E7 delivered by engineered exosomes elicits a protective CD8+ T cell-mediated immune response. 2015 , 7, 1079-99	35
1856	Ultrafiltration with size-exclusion liquid chromatography for high yield isolation of extracellular vesicles preserving intact biophysical and functional properties. 2015 , 11, 879-83	338
1855	Exosomes released by keratinocytes modulate melanocyte pigmentation. 2015 , 6, 7506	112
1854	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
1853	PARTICLE, a Triplex-Forming Long ncRNA, Regulates Locus-Specific Methylation in Response to Low-Dose Irradiation. 2015 , 11, 474-85	143
1852	Fatty acids increase adiponectin secretion through both classical and exosome pathways. 2015 , 1851, 1123-33	32
1851	Rapid inertial solution exchange for enrichment and flow cytometric detection of microvesicles. 2015 , 9, 014112	68
1850	Intercellular chaperone transmission via exosomes contributes to maintenance of protein homeostasis at the organismal level. 2015 , 112, E2497-506	118
1849	miRNA contents of cerebrospinal fluid extracellular vesicles in glioblastoma patients. 2015 , 123, 205-16	98
1848	Exosomes released from breast cancer carcinomas stimulate cell movement. 2015 , 10, e0117495	109
1847	Papillary thyroid cancer-derived exosomes contain miRNA-146b and miRNA-222. 2015 , 196, 39-48	43
1846	Propagation of dysbindin-1B aggregates: exosome-mediated transmission of neurotoxic deposits. 2015 , 291, 301-16	13
1845	Mesenchymal Stem Cell Exosomes Induce Proliferation and Migration of Normal and Chronic Wound Fibroblasts, and Enhance Angiogenesis In Vitro. 2015 , 24, 1635-47	366
1844	Low pH increases the yield of exosome isolation. 2015 , 461, 76-9	108
1843	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. 2015 , 87, 11-25	161

1842	Targeting exosomes from preadipocytes inhibits preadipocyte to cancer stem cell signaling in early-stage breast cancer. 2015 , 150, 685-95	80
1841	Adipogenic RNAs are transferred in osteoblasts via bone marrow adipocytes-derived extracellular vesicles (EVs). 2015 , 16, 10	43
1840	Transfer of microRNAs by extracellular membrane microvesicles: a nascent crosstalk model in tumor pathogenesis, especially tumor cell-microenvironment interactions. 2015 , 8, 14	28
1839	Dependence of intracellular and exosomal microRNAs on viral E6/E7 oncogene expression in HPV-positive tumor cells. 2015 , 11, e1004712	154
1838	Exosomes from Human Dental Pulp Stem Cells Suppress Carrageenan-Induced Acute Inflammation in Mice. 2015 , 38, 1933-41	52
1837	Cell or cell membrane-based drug delivery systems. 2015 , 5, 863-81	267
1836	Caco-2 cells infected with rotavirus release extracellular vesicles that express markers of apoptotic bodies and exosomes. 2015 , 20, 697-708	13
1835	Isolation of extracellular vesicles: Determining the correct approach (Review). 2015 , 36, 11-7	161
1834	Polysome arrest restricts miRNA turnover by preventing exosomal export of miRNA in growth-retarded mammalian cells. 2015 , 26, 1072-83	24
1833	Molecular screening of cancer-derived exosomes by surface plasmon resonance spectroscopy. 2015 , 407, 5425-32	89
1832	Mass-spectrometry-based molecular characterization of extracellular vesicles: lipidomics and proteomics. 2015 , 14, 2367-84	148
1831	Biodistribution, Uptake and Effects Caused by Cancer-Derived Extracellular Vesicles. 2015 , 4, 2	14
1830	Analysis of exosome release as a cellular response to MAPK pathway inhibition. 2015 , 31, 5440-8	43
1829	Macrophage immunomodulation by breast cancer-derived exosomes requires Toll-like receptor 2-mediated activation of NF- κ B. 2014 , 4, 5750	213
1828	Size and shape characterization of hydrated and desiccated exosomes. 2015 , 407, 3285-301	105
1827	The multivesicular body is the major internal site of prion conversion. 2015 , 128, 1434-43	46
1826	Exosomes isolated from plasma of glioma patients enrolled in a vaccination trial reflect antitumor immune activity and might predict survival. 2015 , 4, e1008347	80
1825	Transcellular delivery of vesicular SOCS proteins from macrophages to epithelial cells blunts inflammatory signaling. 2015 , 212, 729-42	138

1824	Depletion of microglia and inhibition of exosome synthesis halt tau propagation. 2015 , 18, 1584-93	782
1823	Inhibition of oncogenic epidermal growth factor receptor kinase triggers release of exosome-like extracellular vesicles and impacts their phosphoprotein and DNA content. 2015 , 290, 24534-46	76
1822	Redefining the Breast Cancer Exosome Proteome by Tandem Mass Tag Quantitative Proteomics and Multivariate Cluster Analysis. 2015 , 87, 10462-9	53
1821	A critical role of cardiac fibroblast-derived exosomes in activating renin angiotensin system in cardiomyocytes. 2015 , 89, 268-79	125
1820	Human thymic epithelial primary cells produce exosomes carrying tissue-restricted antigens. 2015 , 93, 727-34	35
1819	Carcinogenic Liver Fluke Secretes Extracellular Vesicles That Promote Cholangiocytes to Adopt a Tumorigenic Phenotype. 2015 , 212, 1636-45	103
1818	Exosome Secretion by the Parasitic Protozoan Leishmania within the Sand Fly Midgut. 2015 , 13, 957-67	150
1817	Extracellular Vesicles Present in Human Ovarian Tumor Microenvironments Induce a Phosphatidylserine-Dependent Arrest in the T-cell Signaling Cascade. 2015 , 3, 1269-78	58
1816	C-Terminally Truncated Forms of Tau, But Not Full-Length Tau or Its C-Terminal Fragments, Are Released from Neurons Independently of Cell Death. 2015 , 35, 10851-65	106
1815	CD90+ liver cancer cells modulate endothelial cell phenotype through the release of exosomes containing H19 lncRNA. 2015 , 14, 155	271
1814	Human fibrocyte-derived exosomes accelerate wound healing in genetically diabetic mice. 2015 , 467, 303-9	96
1813	Mesenchymal stem cells use extracellular vesicles to outsource mitophagy and shuttle microRNAs. 2015 , 6, 8472	490
1812	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. 2015 , 22, 606-18	147
1811	Human bone marrow- and adipose-mesenchymal stem cells secrete exosomes enriched in distinctive miRNA and tRNA species. 2015 , 6, 127	430
1810	Altered Exosomal RNA Profiles in Bronchoalveolar Lavage from Lung Transplants with Acute Rejection. 2015 , 192, 1490-503	47
1809	Extracellular Vesicles Improve Post-Stroke Neuroregeneration and Prevent Postischemic Immunosuppression. 2015 , 4, 1131-43	418
1808	Exosome Adherence and Internalization by Hepatic Stellate Cells Triggers Sphingosine 1-Phosphate-dependent Migration. 2015 , 290, 30684-96	125
1807	Extracellular vesicle-mediated transfer of processed and functional RNY5 RNA. 2015 , 21, 1966-79	47

1806	TDP-43 is intercellularly transmitted across axon terminals. 2015 , 211, 897-911	182
1805	Telomeric repeat-containing RNA (TERRA) constitutes a nucleoprotein component of extracellular inflammatory exosomes. 2015 , 112, E6293-300	60
1804	Human saliva-derived exosomes: comparing methods of isolation. 2015 , 63, 181-9	107
1803	Virion-independent transfer of replication-competent hepatitis C virus RNA between permissive cells. 2015 , 89, 2956-61	81
1802	Effective internalization of U251-MG-secreted exosomes into cancer cells and characterization of their lipid components. 2015 , 456, 768-73	39
1801	Prion strains are differentially released through the exosomal pathway. 2015 , 72, 1185-96	38
1800	Magnetic resonance imaging of melanoma exosomes in lymph nodes. 2015 , 74, 266-271	110
1799	Proteomics of extracellular vesicles: Exosomes and ectosomes. 2015 , 34, 474-90	257
1798	Epigenetic impact of curcumin on stroke prevention. 2015 , 30, 427-35	29
1797	Leishmania major telomerase TERT protein has a nuclear/mitochondrial eclipsed distribution that is affected by oxidative stress. 2015 , 83, 57-66	9
1796	Circulating microRNA biomarker studies: pitfalls and potential solutions. 2015 , 61, 56-63	338
1795	Extracellular vesicles including exosomes are mediators of signal transduction: are they protective or pathogenic?. 2015 , 15, 260-71	175
1794	The landscape of microRNA, Piwi-interacting RNA, and circular RNA in human saliva. 2015 , 61, 221-30	463
1793	Exosomes: vehicles of intercellular signaling, biomarkers, and vectors of cell therapy. 2015 , 77, 13-27	418
1792	In vitro effects of cocaine on tunneling nanotube formation and extracellular vesicle release in glioblastoma cell cultures. 2015 , 55, 42-50	26
1791	Exosomes from human colorectal cancer induce a tumor-like behavior in colonic mesenchymal stromal cells. 2016 , 7, 50086-50098	94
1790	Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. 2016 , 7, 16070-89	51
1789	Circulating Noncoding RNAs as Clinical Biomarkers. 2016 , 239-258	3

1788	Chemokine Receptors, CXCR1 and CXCR2, Differentially Regulate Exosome Release in Hepatocytes. 2016 , 11, e0161443	17
1787	Exosomal cancer immunotherapy is independent of MHC molecules on exosomes. 2016 , 7, 38707-38717	52
1786	Apoptotic neuron-secreted HN12 inhibits cell apoptosis in Hirschsprung's disease. 2016 , 11, 5871-5881	12
1785	Lung cancer exosomes as drivers of epithelial mesenchymal transition. 2016 , 7, 54852-54866	100
1784	Mesenchymal Stem Cell-Derived Exosomes: New Opportunity in Cell-Free Therapy. 2016 , 6, 293-299	85
1783	Exosomes genetic cargo in lung cancer: a truly Pandora's box. 2016 , 5, 483-491	28
1782	Mast Cell-Derived Exosomes Promote Th2 Cell Differentiation via OX40L-OX40 Ligation. 2016 , 2016, 3623898	42
1781	Towards Therapeutic Delivery of Extracellular Vesicles: Strategies for Tracking and Biodistribution Analysis. 2016 , 2016, 5029619	87
1780	Potential Therapies by Stem Cell-Derived Exosomes in CNS Diseases: Focusing on the Neurogenic Niche. 2016 , 2016, 5736059	54
1779	Nanoscale Extracellular Vesicle Analysis in Alzheimer's Disease Diagnosis and Therapy. 2016 , 2016, 8053139	7
1778	Tetherin is an exosomal tether. 2016 , 5,	87
1777	Extracellular vesicle isolation and characterization: toward clinical application. 2016 , 126, 1152-62	467
1776	Extracellular vesicles: masters of intercellular communication and potential clinical interventions. 2016 , 126, 1139-43	263
1775	Tumor-Derived Exosomes and Their Role in Tumor-Induced Immune Suppression. 2016 , 4,	43
1774	The CD8+ T Cell-Mediated Immunity Induced by HPV-E6 Uploaded in Engineered Exosomes Is Improved by ISCOMATRIX Adjuvant. 2016 , 4,	10
1773	Recent Developments in Cellular Immunotherapy for HSCT-Associated Complications. 2016 , 7, 500	28
1772	Presence of Viral RNA and Proteins in Exosomes from Cellular Clones Resistant to Rift Valley Fever Virus Infection. 2016 , 7, 139	40
1771	Focus on Extracellular Vesicles: Introducing the Next Small Big Thing. 2016 , 17, 170	432

1770	Focus on Extracellular Vesicles: Development of Extracellular Vesicle-Based Therapeutic Systems. 2016 , 17, 172	92
1769	Prostate Cancer Detection and Prognosis: From Prostate Specific Antigen (PSA) to Exosomal Biomarkers. 2016 , 17,	69
1768	Microvesicles from Mesenchymal Stromal Cells Are Involved in HPC-Microenvironment Crosstalk in Myelodysplastic Patients. 2016 , 11, e0146722	56
1767	Investigation of Content, Stoichiometry and Transfer of miRNA from Human Neural Stem Cell Line Derived Exosomes. 2016 , 11, e0146353	78
1766	Increased Brain-Specific MiR-9 and MiR-124 in the Serum Exosomes of Acute Ischemic Stroke Patients. 2016 , 11, e0163645	130
1765	Exosomes Derived from Squamous Head and Neck Cancer Promote Cell Survival after Ionizing Radiation. 2016 , 11, e0152213	92
1764	Mesenchymal Stromal Cells Epithelial Transition Induced by Renal Tubular Cells-Derived Extracellular Vesicles. 2016 , 11, e0159163	17
1763	Diagnostic Potential of Cell-Free and Exosomal MicroRNAs in the Identification of Patients with High-Risk Colorectal Adenomas. 2016 , 11, e0160722	57
1762	Indication of Horizontal DNA Gene Transfer by Extracellular Vesicles. 2016 , 11, e0163665	61
1761	Inhibiting Extracellular Vesicle Release from Human Cardiosphere Derived Cells with Lentiviral Knockdown of nSMase2 Differentially Effects Proliferation and Apoptosis in Cardiomyocytes, Fibroblasts and Endothelial Cells In Vitro. 2016 , 11, e0165926	35
1760	New Molecular Insights of Insulin in Diabetic Cardiomyopathy. 2016 , 7, 125	59
1759	Biobanking of Exosomes in the Era of Precision Medicine: Are We There Yet?. 2015 , 17,	30
1758	MiRNAs and piRNAs from bone marrow mesenchymal stem cell extracellular vesicles induce cell survival and inhibit cell differentiation of cord blood hematopoietic stem cells: a new insight in transplantation. 2016 , 7, 6676-92	71
1757	Lactation-Related MicroRNA Expression in Microvesicles of Human Umbilical Cord Blood. 2016 , 22, 4542-4554	6
1756	Probing extracellular Sonic hedgehog in neurons. 2016 , 5, 1086-92	8
1755	Circulating Extracellular Vesicles Contain miRNAs and are Released as Early Biomarkers for Cardiac Injury. 2016 , 9, 291-301	48
1754	Monocyte-derived dendritic cells early exposed to Mycobacterium tuberculosis induce an enhanced T helper 17 response and transfer mycobacterial antigens. 2016 , 306, 541-553	7
1753	Mixed lineage kinase 3 mediates release of C-X-C motif ligand 10-bearing chemotactic extracellular vesicles from lipotoxic hepatocytes. 2016 , 63, 731-44	129

1752	Placenta Mesenchymal Stem Cell Derived Exosomes Confer Plasticity on Fibroblasts. 2016 , 117, 1658-70	31
1751	Development and regulation of exosome-based therapy products. 2016 , 8, 744-57	40
1750	Extracellular vesicles in cardiovascular disease: are they Jedi or Sith?. 2016 , 594, 2881-94	36
1749	Lipid-Targeting Peptide Probes for Extracellular Vesicles. 2016 , 231, 2327-32	6
1748	Vesicle-MaNiA: extracellular vesicles in liquid biopsy and cancer. 2016 , 29, 47-53	46
1747	Renal extracellular vesicles: from physiology to clinical application. 2016 , 594, 5735-5748	29
1746	Evidence and potential in vivo functions for biofluid miRNAs: From expression profiling to functional testing: Potential roles of extracellular miRNAs as indicators of physiological change and as agents of intercellular information exchange. 2016 , 38, 367-78	51
1745	Presence of Cx43 in extracellular vesicles reduces the cardiotoxicity of the anti-tumour therapeutic approach with doxorubicin. 2016 , 5, 32538	46
1744	The Ste20 kinases SPAK and OSR1 travel between cells through exosomes. 2016 , 311, C43-53	7
1743	Designed proteins induce the formation of nanocage-containing extracellular vesicles. 2016 , 540, 292-295	69
1742	Changes in the Membrane-Associated Proteins of Exosomes Released from Human Macrophages after Mycobacterium tuberculosis Infection. 2016 , 6, 37975	41
1741	Comparative analysis of EV isolation procedures for miRNAs detection in serum samples. 2016 , 5, 31655	90
1740	A novel multiplex bead-based platform highlights the diversity of extracellular vesicles. 2016 , 5, 29975	118
1739	High-resolution proteomic and lipidomic analysis of exosomes and microvesicles from different cell sources. 2016 , 5, 32570	342
1738	Display of GPI-anchored anti-EGFR nanobodies on extracellular vesicles promotes tumour cell targeting. 2016 , 5, 31053	190
1737	Isolation of human salivary extracellular vesicles by iodixanol density gradient ultracentrifugation and their characterizations. 2016 , 5, 30829	94
1736	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. 2016 , 5, 31242	103
1735	Optimizing preservation of extracellular vesicular miRNAs derived from clinical cerebrospinal fluid. 2016 , 17, 125-32	57

1734	Reversible HuR-microRNA binding controls extracellular export of miR-122 and augments stress response. 2016 , 17, 1184-203	87
1733	Recent exposure to ultrafine particles in school children alters miR-222 expression in the extracellular fraction of saliva. 2016 , 15, 80	24
1732	Rapid decay of engulfed extracellular miRNA by XRN1 exonuclease promotes transient epithelial-mesenchymal transition. 2017 , 45, 4131-4141	19
1731	Charge-based precipitation of extracellular vesicles. 2016 , 38, 1359-1366	135
1730	Nanosomes carrying doxorubicin exhibit potent anticancer activity against human lung cancer cells. 2016 , 6, 38541	91
1729	A Self-Confined Single-Cell Loading Platform Combining PDMS Mesh and Patterned Cytop for Non-invasive Studies of Single Cell Secretions. 2016 ,	
1728	Early dissemination seeds metastasis in breast cancer. 2016 , 540, 552-558	378
1727	The C-terminal region of Trypanosoma cruzi MASPs is antigenic and secreted via exovesicles. 2016 , 6, 27293	19
1726	A platform for actively loading cargo RNA to elucidate limiting steps in EV-mediated delivery. 2016 , 5, 31027	99
1725	Differential and transferable modulatory effects of mesenchymal stromal cell-derived extracellular vesicles on T, B and NK cell functions. 2016 , 6, 24120	168
1724	Highly potent intracellular membrane-associated Aβ seeds. 2016 , 6, 28125	15
1723	MicroRNAs contribution in tumor microenvironment of esophageal cancer. 2016 , 16, 367-76	29
1722	Exosomes play an important role in the process of psoralen reverse multidrug resistance of breast cancer. 2016 , 35, 186	51
1721	Isolation of biologically active and morphologically intact exosomes from plasma of patients with cancer. 2016 , 5, 29289	176
1720	Extensive surface protein profiles of extracellular vesicles from cancer cells may provide diagnostic signatures from blood samples. 2016 , 5, 25355	72
1719	Cranial grafting of stem cell-derived microvesicles improves cognition and reduces neuropathology in the irradiated brain. 2016 , 113, 4836-41	54
1718	Extracellular Vesicles Isolated from the Brains of rTg4510 Mice Seed Tau Protein Aggregation in a Threshold-dependent Manner. 2016 , 291, 12445-12466	147
1717	Expression of microRNA-34a in Alzheimer's disease brain targets genes linked to synaptic plasticity, energy metabolism, and resting state network activity. 2016 , 1646, 139-151	94

1716	Human-to-mouse prion-like propagation of mutant huntingtin protein. 2016 , 132, 577-92	101
1715	Peptide-mediated 'miniprep' isolation of extracellular vesicles is suitable for high-throughput proteomics. 2016 , 11, 11-15	22
1714	Monocyte exosomes induce adhesion molecules and cytokines via activation of NF- κ B in endothelial cells. 2016 , 30, 3097-106	105
1713	Data supporting the shedding of larger extracellular vesicles by multidrug resistant tumour cells. 2016 , 6, 1023-7	7
1712	Exosome Derived From Human Umbilical Cord Mesenchymal Stem Cell Mediates MiR-181c Attenuating Burn-induced Excessive Inflammation. 2016 , 8, 72-82	210
1711	Prediction of conversion from mild cognitive impairment to dementia with neuronally derived blood exosome protein profile. 2016 , 3, 63-72	172
1710	Engineered exosomes boost the HCV NS3-specific CD8+ T lymphocyte immunity in humans. 2016 , 5, 105-110	7
1709	Phosphate induces formation of matrix vesicles during odontoblast-initiated mineralization in vitro. 2016 , 52-54, 284-300	30
1708	Blood Exosomes Endowed with Magnetic and Targeting Properties for Cancer Therapy. 2016 , 10, 3323-33	256
1707	FRMD4A-cytohesin signaling modulates the cellular release of tau. 2016 , 129, 2003-15	18
1706	Tumor-Derived Exosomes and Their Role in Cancer Progression. 2016 , 74, 103-41	375
1705	In vitro immunotoxicity assessment of culture-derived extracellular vesicles in human monocytes. 2016 , 13, 652-65	9
1704	MicroRNA-141 is upregulated in preeclamptic placentae and regulates trophoblast invasion and intercellular communication. 2016 , 172, 61-72	80
1703	Mesenchymal stromal cell-derived extracellular vesicles rescue radiation damage to murine marrow hematopoietic cells. 2016 , 30, 2221-2231	129
1702	KRAS-MEK Signaling Controls Ago2 Sorting into Exosomes. 2016 , 15, 978-987	220
1701	A preliminary proteomic characterisation of extracellular vesicles released by the ovine parasitic nematode, <i>Teladorsagia circumcincta</i> . 2016 , 221, 84-92	33
1700	Isolation of extracellular vesicle from blood plasma using electrophoretic migration through porous membrane. 2016 , 233, 289-297	60
1699	Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma membrane. 2016 , 73, 3897-916	11

1698	Extracellular vesicles in neurodegenerative disease - pathogenesis to biomarkers. 2016 , 12, 346-57	190
1697	Recent progress toward the use of circulating microRNAs as clinical biomarkers. 2016 , 90, 2959-2978	71
1696	Effects of pramipexole treatment on the Synuclein content in serum exosomes of Parkinson's disease patients. 2016 , 12, 1373-1376	6
1695	The hallmarks of CAFs in cancer invasion. 2016 , 95, 493-502	50
1694	Exosomes: From Functions in Host-Pathogen Interactions and Immunity to Diagnostic and Therapeutic Opportunities. 2016 , 172, 39-75	15
1693	Extracellular miRNA: A Collision of Two Paradigms. 2016 , 41, 883-892	120
1692	Activation of the Pro-Oxidant PKC β -p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Patients With Diabetes With Critical Limb Ischemia. 2016 , 65, 3691-3704	35
1691	Extracellular vesicle associated long non-coding RNAs functionally enhance cell viability. 2016 , 1, 3-11	52
1690	Cell-to-Cell Transmission of Dipeptide Repeat Proteins Linked to C9orf72-ALS/FTD. 2016 , 17, 645-652	120
1689	Extracellular Vesicles and Vascular Injury: New Insights for Radiation Exposure. 2016 , 186, 203-18	28
1688	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
1687	Uterosome-like vesicles prompt human sperm fertilizing capability. 2016 , 22, 833-841	17
1686	Quantification of Small Extracellular Vesicles by Size Exclusion Chromatography with Fluorescence Detection. 2016 , 88, 10390-10394	21
1685	Exosomes are possibly used as a tool of immune regulation during the dendritic cell-based immune therapy against HIV-1. 2016 , 95, 67-70	10
1684	Exosome-based tumor antigens-adjuvant co-delivery utilizing genetically engineered tumor cell-derived exosomes with immunostimulatory CpG DNA. 2016 , 111, 55-65	166
1683	Isolation of human trophoblastic extracellular vesicles and characterization of their cargo and antiviral activity. 2016 , 47, 86-95	58
1682	Integrins and heparan sulfate proteoglycans on hepatic stellate cells (HSC) are novel receptors for HSC-derived exosomes. 2016 , 590, 4263-4274	46
1681	Therapeutic and diagnostic applications of extracellular vesicles. 2016 , 244, 167-183	90

1680	Exosome-mediated Delivery of Hydrophobically Modified siRNA for Huntingtin mRNA Silencing. 2016 , 24, 1836-1847	223
1679	Detection of long non-coding RNAs in human breastmilk extracellular vesicles: Implications for early child development. 2016 , 11, 721-729	51
1678	Phosphoproteome Characterization of Human Colorectal Cancer SW620 Cell-Derived Exosomes and New Phosphosite Discovery for C-HPP. 2016 , 15, 4060-4072	29
1677	Recent developments in the nomenclature, presence, isolation, detection and clinical impact of extracellular vesicles. 2016 , 14, 48-56	211
1676	Elucidation of Exosome Migration across the Blood-Brain Barrier Model In Vitro. 2016 , 9, 509-529	229
1675	Mesenchymal Stem Cell-Derived Exosomes Stimulate Cycling Quiescence and Early Breast Cancer Dormancy in Bone Marrow. 2016 , 76, 5832-5844	224
1674	Sulfatides in extracellular vesicles isolated from plasma of multiple sclerosis patients. 2016 , 94, 1579-1587	32
1673	From trash to treasure: The untapped potential of endothelial microparticles in neurovascular diseases. 2016 , 23, 265-274	14
1672	Lefty Glycoproteins in Human Embryonic Stem Cells: Extracellular Delivery Route and Posttranslational Modification in Differentiation. 2016 , 25, 1681-1690	12
1671	Extracellular Tau Paired Helical Filaments Differentially Affect Tau Pathogenic Mechanisms in Mitotic and Post-Mitotic Cells: Implications for Mechanisms of Tau Propagation in the Brain. 2016 , 54, 477-96	7
1670	Extracellular vesicles in transfusion-related immunomodulation and the role of blood component manufacturing. 2016 , 55, 281-291	31
1669	miR-182, of the miR-183 cluster family, is packaged in exosomes and is detected in human exosomes from serum, breast cells and prostate cells. 2016 , 12, 1197-1203	25
1668	Port-to-port delivery: Mobilization of toxic sphingolipids via extracellular vesicles. 2016 , 94, 1333-40	12
1667	Mesenchymal stromal cells as multifunctional cellular therapeutics - a potential role for extracellular vesicles. 2016 , 55, 62-9	26
1666	Exosome-mediated Transfer of $\alpha 5 \beta 1$ Integrin from Tumorigenic to Nontumorigenic Cells Promotes a Migratory Phenotype. 2016 , 14, 1136-1146	85
1665	Involvement of exosomes in lung inflammation associated with experimental acute pancreatitis. 2016 , 240, 235-45	37
1664	Chronic myelogenous leukaemia exosomes modulate bone marrow microenvironment through activation of epidermal growth factor receptor. 2016 , 20, 1829-39	64
1663	Cortactin promotes exosome secretion by controlling branched actin dynamics. 2016 , 214, 197-213	159

1662	The choice of endogenous controls in exosomal microRNA assessments from biofluids. 2016 , 37, 11657-11665	36
1661	Vectorization of biomacromolecules into cells using extracellular vesicles with enhanced internalization induced by macropinocytosis. 2016 , 6, 34937	40
1660	Exosomes derived from embryonal and alveolar rhabdomyosarcoma carry differential miRNA cargo and promote invasion of recipient fibroblasts. 2016 , 6, 37088	30
1659	Digital Detection of Exosomes by Interferometric Imaging. 2016 , 6, 37246	139
1658	ExtraPEG: A Polyethylene Glycol-Based Method for Enrichment of Extracellular Vesicles. 2016 , 6, 23978	300
1657	Exosomes as nanocarriers for systemic delivery of the Helicobacter pylori virulence factor CagA. 2016 , 6, 18346	77
1656	Trehalose prevents aggregation of exosomes and cryodamage. 2016 , 6, 36162	152
1655	Detailed Analysis of Protein Topology of Extracellular Vesicles-Evidence of Unconventional Membrane Protein Orientation. 2016 , 6, 36338	83
1654	Stem Cell Banking and Its Impact on Cardiac Regenerative Medicine. 2016 , 951, 163-178	3
1653	Bone marrow-derived mesenchymal stem cells improve diabetes-induced cognitive impairment by exosome transfer into damaged neurons and astrocytes. 2016 , 6, 24805	122
1652	Excretory/secretory products in the Echinococcus granulosus metacestode: is the intermediate host complacent with infection caused by the larval form of the parasite?. 2016 , 46, 843-856	33
1651	Exosome engineering for efficient intracellular delivery of soluble proteins using optically reversible protein-protein interaction module. 2016 , 7, 12277	287
1650	Different populations of Wnt-containing vesicles are individually released from polarized epithelial cells. 2016 , 6, 35562	37
1649	Pathways for Modulating Exosome Lipids Identified By High-Density Lipoprotein-Like Nanoparticle Binding to Scavenger Receptor Type B-1. 2016 , 6, 22915	15
1648	Characterization and Small RNA Content of Extracellular Vesicles in Follicular Fluid of Developing Bovine Antral Follicles. 2016 , 6, 25486	69
1647	A rapid, automated surface protein profiling of single circulating exosomes in human blood. 2016 , 6, 36502	95
1646	XBP1 splicing triggers miR-150 transfer from smooth muscle cells to endothelial cells via extracellular vesicles. 2016 , 6, 28627	23
1645	Real time and label free profiling of clinically relevant exosomes. 2016 , 6, 30460	106

1644	Characterisation of mouse epididymosomes reveals a complex profile of microRNAs and a potential mechanism for modification of the sperm epigenome. 2016, 6, 31794	121
1643	Comparative transcriptomic analysis of human and Drosophila extracellular vesicles. 2016, 6, 27680	29
1642	A novel affinity-based method for the isolation of highly purified extracellular vesicles. 2016, 6, 33935	221
1641	Osteoclast-derived microRNA-containing exosomes selectively inhibit osteoblast activity. 2016, 2, 16015	162
1640	Residual matrix from different separation techniques impacts exosome biological activity. 2016, 6, 23550	95
1639	Long non-coding RNAs harboring miRNA seed regions are enriched in prostate cancer exosomes. 2016, 6, 24922	117
1638	Isolation and mass spectrometry analysis of urinary extraexosomal proteins. 2016, 6, 36331	32
1637	Rhomboid intramembrane protease RHBDL4 triggers ER-export and non-canonical secretion of membrane-anchored TGF β . 2016, 6, 27342	29
1636	MiRNAs in Astrocyte-Derived Exosomes as Possible Mediators of Neuronal Plasticity. 2016, 10, 1-9	39
1635	Modulation of Immune Responses by Exosomes Derived from Antigen-Presenting Cells. 2016, 9, 1-8	46
1634	Plasmalogen enrichment in exosomes secreted by a nematode parasite versus those derived from its mouse host: implications for exosome stability and biology. 2016, 5, 30741	52
1633	Immunosuppressive effect of mesenchymal stem cell-derived exosomes on a concanavalin A-induced liver injury model. 2016, 36, 26	78
1632	The Role of Isolation Methods on a Nanoscale Surface Structure and its Effect on the Size of Exosomes. 2016, 5, 11	24
1631	Horizontal Transmission of Cytosolic Sup35 Prions by Extracellular Vesicles. 2016, 7,	31
1630	Exosome Secretion - More Than Simple Waste Disposal? Implications for Physiology, Diagnostics and Therapeutics. 2016, 5, 7	13
1629	Extracellular vesicle proteomes reflect developmental phases of Bacillus subtilis. 2016, 13, 6	24
1628	Changing the (Intercellular) Conversation: a Potential Role for Exosomal Transfer of microRNA in Environmental Health. 2016, 3, 154-160	2
1627	Exosome-driven transfer of tumor-associated Pioneer Translation Products (TA-PTPs) for the MHC class I cross-presentation pathway. 2016, 5, e1198865	18

1626	Exosomes mediate cell contact-independent ephrin-Eph signaling during axon guidance. 2016 , 214, 35-44	73
1625	Generation, Quantification, and Tracing of Metabolically Labeled Fluorescent Exosomes. 2016 , 1448, 217-35	12
1624	Exosome-Mediated Targeted Delivery of miRNAs. 2016 , 1448, 261-70	29
1623	Exosome-like vesicles in uterine aspirates: a comparison of ultracentrifugation-based isolation protocols. 2016 , 14, 180	45
1622	Serum-derived exosomes from non-viremic animals previously exposed to the porcine respiratory and reproductive virus contain antigenic viral proteins. 2016 , 47, 59	25
1621	Extracellular Vesicles Derived from Osteogenically Induced Human Bone Marrow Mesenchymal Stem Cells Can Modulate Lineage Commitment. 2016 , 6, 284-91	55
1620	Depleting extracellular vesicles from fetal bovine serum alters proliferation and differentiation of skeletal muscle cells in vitro. 2016 , 16, 32	48
1619	Radiation-induced miR-208a increases the proliferation and radioresistance by targeting p21 in human lung cancer cells. 2016 , 35, 7	103
1618	miR-720 is a downstream target of an ADAM8-induced ERK signaling cascade that promotes the migratory and invasive phenotype of triple-negative breast cancer cells. 2016 , 18, 40	30
1617	Q&A: What are exosomes, exactly?. 2016 , 14, 46	173
1616	Exosomes as a Nanodelivery System: a Key to the Future of Neuromedicine?. 2016 , 53, 818-834	142
1615	Extracellular vesicles as carriers of microRNA, proteins and lipids in tumor microenvironment. 2016 , 138, 14-21	96
1614	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
1613	Alpha crystallins in the retinal pigment epithelium and implications for the pathogenesis and treatment of age-related macular degeneration. 2016 , 1860, 258-68	36
1612	Exosomes Secreted by Apoptosis-Resistant Acute Myeloid Leukemia (AML) Blasts Harbor Regulatory Network Proteins Potentially Involved in Antagonism of Apoptosis. 2016 , 15, 1281-98	63
1611	Microvesicles and exosomes: new players in metabolic and cardiovascular disease. 2016 , 228, R57-71	220
1610	Extracellular vesicles in breast cancer drug resistance and their clinical application. 2016 , 37, 2849-61	16
1609	Proteomic characterization of circulating extracellular vesicles identifies novel serum myeloma associated markers. 2016 , 136, 89-98	52

1608	Age-dependent defects of alpha-synuclein oligomer uptake in microglia and monocytes. 2016 , 131, 379-91	107
1607	Exosomes and nanotubes: Control of immune cell communication. 2016 , 71, 44-54	76
1606	Exosomes from human mesenchymal stem cells conduct aerobic metabolism in term and preterm newborn infants. 2016 , 30, 1416-24	42
1605	Studying extracellular vesicle transfer by a Cre-loxP method. 2016 , 11, 87-101	53
1604	Alcohol stimulates macrophage activation through caspase-dependent hepatocyte derived release of CD40L containing extracellular vesicles. 2016 , 64, 651-60	133
1603	Stem cell-based therapies for the newborn lung and brain: Possibilities and challenges. 2016 , 40, 138-51	46
1602	Plant derived edible nanoparticles as a new therapeutic approach against diseases. 2016 , 4, e1134415	119
1601	Human urinary exosome proteome unveils its aerobic respiratory ability. 2016 , 136, 25-34	16
1600	Exosomal transfer of miR-30a between cardiomyocytes regulates autophagy after hypoxia. 2016 , 94, 711-24	118
1599	Exosomal miRNAs as biomarkers of recurrent lung cancer. 2016 , 37, 10703-14	81
1598	Identification of Developmental Endothelial Locus-1 on Circulating Extracellular Vesicles as a Novel Biomarker for Early Breast Cancer Detection. 2016 , 22, 1757-66	113
1597	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. 2016 , 59, 1049-58	98
1596	Proteomic comparison defines novel markers to characterize heterogeneous populations of extracellular vesicle subtypes. 2016 , 113, E968-77	1789
1595	Mesenchymal stem cell-derived exosomes from different sources selectively promote neuritic outgrowth. 2016 , 320, 129-39	119
1594	Tissue Factor Regulation by miR-520g in Primitive Neuronal Brain Tumor Cells: A Possible Link between Oncomirs and the Vascular Tumor Microenvironment. 2016 , 186, 446-59	28
1593	Characterization of Regulatory Extracellular Vesicles from Osteoclasts. 2016 , 95, 673-9	111
1592	Paracrine Signaling by Extracellular Vesicles via Osteoblasts. 2016 , 2, 48-55	17
1591	Hepatocytes release ceramide-enriched pro-inflammatory extracellular vesicles in an IRE1 β dependent manner. 2016 , 57, 233-45	153

1590	Hepatic sinusoids in liver injury, inflammation, and fibrosis: new pathophysiological insights. 2016 , 51, 511-9	87
1589	TNF-Related Apoptosis-Inducing Ligand (TRAIL)-Armed Exosomes Deliver Proapoptotic Signals to Tumor Site. 2016 , 22, 3499-512	123
1588	Proteomics of Urinary Vesicles Links Plakins and Complement to Polycystic Kidney Disease. 2016 , 27, 3079-3092	39
1587	Exosomes for repair, regeneration and rejuvenation. 2016 , 16, 489-506	99
1586	Cell-cell contact promotes Ebola virus GP-mediated infection. 2016 , 488, 202-15	6
1585	Triple SILAC quantitative proteomic analysis reveals differential abundance of cell signaling proteins between normal and lung cancer-derived exosomes. 2016 , 133, 161-169	84
1584	Loss of exosomes in progranulin-associated frontotemporal dementia. 2016 , 40, 41-49	40
1583	Microvesicles and Exosomes in Local and Distant Communication with the Heart. 2016 , 143-162	0
1582	Configuration-dependent Presentation of Multivalent IL-15:IL-15R α Enhances the Antigen-specific T Cell Response and Anti-tumor Immunity. 2016 , 291, 8931-50	22
1581	CD109 is a component of exosome secreted from cultured cells. 2016 , 469, 816-22	16
1580	Urinary Exosomes: The Potential for Biomarker Utility, Intercellular Signaling and Therapeutics in Urological Malignancy. 2016 , 195, 1331-1339	75
1579	Multidrug resistant tumour cells shed more microvesicle-like EVs and less exosomes than their drug-sensitive counterpart cells. 2016 , 1860, 618-27	38
1578	Role of extracellular vesicles in autoimmune diseases. 2016 , 15, 174-83	86
1577	Bovine milk-derived exosomes for drug delivery. 2016 , 371, 48-61	428
1576	Vesicle-associated microRNAs are released from blood cells on incubation of blood samples. 2016 , 169, 40-6	13
1575	Knockdown of Autophagy Inhibits Infectious Hepatitis C Virus Release by the Exosomal Pathway. 2016 , 90, 1387-96	105
1574	Development of exosome-encapsulated paclitaxel to overcome MDR in cancer cells. 2016 , 12, 655-664	609
1573	Systematic review of factors influencing extracellular vesicle yield from cell cultures. 2016 , 68, 579-92	59

1572	Development of an aptasensor for electrochemical detection of exosomes. 2016 , 97, 88-93	155
1571	Combined mass quantitation and phenotyping of intact extracellular vesicles by a microarray platform. 2016 , 902, 160-167	10
1570	Effect of exosome isolation methods on physicochemical properties of exosomes and clearance of exosomes from the blood circulation. 2016 , 98, 1-8	100
1569	Detection and isolation of circulating exosomes and microvesicles for cancer monitoring and diagnostics using micro-/nano-based devices. 2016 , 141, 450-460	145
1568	Targeted therapeutic delivery using engineered exosomes and its applications in cardiovascular diseases. 2016 , 575, 377-384	90
1567	Identification of EDIL3 on extracellular vesicles involved in breast cancer cell invasion. 2016 , 131, 17-28	45
1566	Nef exosomes isolated from the plasma of individuals with HIV-associated dementia (HAD) can induce A β (1-42) secretion in SH-SY5Y neural cells. 2016 , 22, 179-90	53
1565	Hepatocyte exosomes mediate liver repair and regeneration via sphingosine-1-phosphate. 2016 , 64, 60-8	168
1564	Donor-Derived Exosomes With Lung Self-Antigens in Human Lung Allograft Rejection. 2017 , 17, 474-484	75
1563	MicroRNAs in extracellular vesicles: potential cancer biomarkers. 2017 , 62, 67-74	80
1562	c-Src, Insulin-Like Growth Factor I Receptor, G-Protein-Coupled Receptor Kinases and Focal Adhesion Kinase are Enriched Into Prostate Cancer Cell Exosomes. 2017 , 118, 66-73	55
1561	Quantification of Exosomes. 2017 , 232, 1587-1590	89
1560	Endogenous and exogenous miR-520c-3p modulates CD44-mediated extravillous trophoblast invasion. 2017 , 50, 25-31	30
1559	Disruption of Circulating Extracellular Vesicles as a Novel Therapeutic Strategy against Cancer Metastasis. 2017 , 25, 181-191	117
1558	Exosomes Derived from Human Pulmonary Artery Endothelial Cells Shift the Balance between Proliferation and Apoptosis of Smooth Muscle Cells. 2017 , 137, 43-53	50
1557	ATP binding cassette A1 (ABCA1) mediates microparticle formation during high-density lipoprotein (HDL) biogenesis. 2017 , 257, 90-99	40
1556	Mesenchymal stem cell transplantation in tight-skin mice identifies miR-151-5p as a therapeutic target for systemic sclerosis. 2017 , 27, 559-577	59
1555	The isolation of morphologically intact and biologically active extracellular vesicles from the secretome of cancer-associated adipose tissue. 2017 , 11, 196-204	14

1554	Distinct prostate cancer-related mRNA cargo in extracellular vesicle subsets from prostate cell lines. 2017 , 17, 92	34
1553	Extracellular vesicle mediated intercellular communication at the porcine maternal-fetal interface: A new paradigm for conceptus-endometrial cross-talk. 2017 , 7, 40476	82
1552	Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. 2017 , 292, 2903-2915	40
1551	Adipose stem cell-derived nanovesicles inhibit emphysema primarily via an FGF2-dependent pathway. 2017 , 49, e284	41
1550	Genotoxic stress modulates the release of exosomes from multiple myeloma cells capable of activating NK cell cytokine production: Role of HSP70/TLR2/NF-kB axis. 2017 , 6, e1279372	76
1549	ROCK signaling promotes collagen remodeling to facilitate invasive pancreatic ductal adenocarcinoma tumor cell growth. 2017 , 9, 198-218	83
1548	Exosomal miR-146a Contributes to the Enhanced Therapeutic Efficacy of Interleukin-1β Primed Mesenchymal Stem Cells Against Sepsis. 2017 , 35, 1208-1221	236
1547	The release and trans-synaptic transmission of Tau via exosomes. 2017 , 12, 5	324
1546	Membrane Vesicles Inhibit T Cell Activation. 2017 , 198, 2028-2037	41
1545	Plasma Exosome Profiling of Cancer Patients by a Next Generation Systems Biology Approach. 2017 , 7, 42741	32
1544	Application of TEM techniques for the study of vascular calcification: Monitoring extracellular vesicles and nanogold immunodetection of fetuin-A, GRP, and CD9. 2017 , 41, 130-132	
1543	Bone Marrow-Derived Mesenchymal Stem Cells-Derived Exosomes Promote Survival of Retinal Ganglion Cells Through miRNA-Dependent Mechanisms. 2017 , 6, 1273-1285	191
1542	RAB27A, RAB27B and VPS36 are downregulated in advanced prostate cancer and show functional relevance in prostate cancer cells. 2017 , 50, 920-932	23
1541	MVP-mediated exosomal sorting of miR-193a promotes colon cancer progression. 2017 , 8, 14448	254
1540	Hepatocyte-secreted extracellular vesicles modify blood metabolome and endothelial function by an arginase-dependent mechanism. 2017 , 7, 42798	46
1539	Quantitative changes in the protein and miRNA cargo of plasma exosome-like vesicles after exposure to ionizing radiation. 2017 , 93, 569-580	48
1538	A microRNA signature in circulating exosomes is superior to exosomal glypican-1 levels for diagnosing pancreatic cancer. 2017 , 393, 86-93	201
1537	Differential Protein Expression Marks the Transition From Infection With to Cholangiocarcinoma. 2017 , 16, 911-923	7

1536	Extracellular vesicles-mediated noncoding RNAs transfer in cancer. 2017 , 10, 57	57
1535	The emerging role of exosome and microvesicle- (EMV-) based cancer therapeutics and immunotherapy. 2017 , 141, 428-436	52
1534	Wnt5b-associated exosomes promote cancer cell migration and proliferation. 2017 , 108, 42-52	84
1533	Virus-Mimetic Fusogenic Exosomes for Direct Delivery of Integral Membrane Proteins to Target Cell Membranes. 2017 , 29, 1605604	65
1532	Nanoplasmonic Quantification of Tumor-derived Extracellular Vesicles in Plasma Microsamples for Diagnosis and Treatment Monitoring. 2017 , 1,	210
1531	Potential role of corneal epithelial cell-derived exosomes in corneal wound healing and neovascularization. 2017 , 7, 40548	57
1530	The role of pancreatic cancer-derived exosomes in cancer progress and their potential application as biomarkers. 2017 , 19, 921-930	28
1529	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
1528	A Good Manufacturing Practice-grade standard protocol for exclusively human mesenchymal stromal cell-derived extracellular vesicles. 2017 , 19, 458-472	99
1527	Aberrant low expression of p85 β n stromal fibroblasts promotes breast cancer cell metastasis through exosome-mediated paracrine Wnt10b. 2017 , 36, 4692-4705	73
1526	Increasing circulating exosomes-carrying TRPC5 predicts chemoresistance in metastatic breast cancer patients. 2017 , 108, 448-454	49
1525	Enhanced imaging of lipid rich nanoparticles embedded in methylcellulose films for transmission electron microscopy using mixtures of heavy metals. 2017 , 99, 40-48	18
1524	Database-augmented Mass Spectrometry Analysis of Exosomes Identifies Claudin 3 as a Putative Prostate Cancer Biomarker. 2017 , 16, 998-1008	42
1523	Neurons secrete miR-132-containing exosomes to regulate brain vascular integrity. 2017 , 27, 882-897	157
1522	Comprehensive Analytical Approach toward Glycomic Characterization and Profiling in Urinary Exosomes. 2017 , 89, 5364-5372	30
1521	Characterisation of adipocyte-derived extracellular vesicle subtypes identifies distinct protein and lipid signatures for large and small extracellular vesicles. 2017 , 6, 1305677	102
1520	RNA in Salivary Extracellular Vesicles as a Possible Tool for Systemic Disease Diagnosis. 2017 , 96, 938-944	15
1519	Identification of exosomes and its signature miRNAs of male and female <i>Cynoglossus semilaevis</i> . 2017 , 7, 860	16

1518	Extracellular Vesicles in Bile as Markers of Malignant Biliary Stenoses. 2017 , 153, 495-504.e8	53
1517	Exosomes as potential alternatives to stem cell therapy for intervertebral disc degeneration: in-vitro study on exosomes in interaction of nucleus pulposus cells and bone marrow mesenchymal stem cells. 2017 , 8, 108	113
1516	Methodological Guidelines to Study Extracellular Vesicles. 2017 , 120, 1632-1648	490
1515	Extracellular Vesicles in Angiogenesis. 2017 , 120, 1658-1673	300
1514	Exosomes maintain cellular homeostasis by excreting harmful DNA from cells. 2017 , 8, 15287	368
1513	TG-A transglutaminase is secreted via an unconventional Golgi-independent mechanism involving exosomes and two types of fatty acylations. 2017 , 292, 10723-10734	15
1512	Trans-dissemination of exosomes from HIV-1-infected cells fosters both HIV-1 trans-infection in resting CD4 T lymphocytes and reactivation of the HIV-1 reservoir. 2017 , 162, 2565-2577	9
1511	Feasibility of urinary extracellular vesicle proteome profiling using a robust and simple, clinically applicable isolation method. 2017 , 6, 1313091	34
1510	Augmented liver targeting of exosomes by surface modification with cationized pullulan. 2017 , 57, 274-284	68
1509	Gamma-glutamyltransferase activity in exosomes as a potential marker for prostate cancer. 2017 , 17, 316	56
1508	Exosomes mediate interepithelial transfer of functional P-glycoprotein in chronic rhinosinusitis with nasal polyps. 2017 , 127, E295-E300	25
1507	Roles of exosomes in the normal and diseased eye. 2017 , 59, 158-177	80
1506	Using hyperLOPIT to perform high-resolution mapping of the spatial proteome. 2017 , 12, 1110-1135	67
1505	Interleukin-10 Deficiency Impairs Reparative Properties of Bone Marrow-Derived Endothelial Progenitor Cell Exosomes. 2017 , 23, 1241-1250	31
1504	Mesothelial Cells Create a Novel Tissue Niche That Facilitates Gastric Cancer Invasion. 2017 , 77, 684-695	19
1503	Imaging and Therapeutic Potential of Extracellular Vesicles. 2017 , 43-68	6
1502	A novel signaling role for miR-451 in esophageal tumor microenvironment and its contribution to tumor progression. 2017 , 19, 633-640	18
1501	Molecular lipid species in urinary exosomes as potential prostate cancer biomarkers. 2017 , 70, 122-132	176

1500	Exosomes-Based Gene Therapy for MicroRNA Delivery. 2017 , 1521, 139-152	62
1499	Effects of Inhibiting VPS4 Support a General Role for ESCRTs in Extracellular Vesicle Biogenesis. 2017 , 113, 1342-1352	49
1498	REG3 β modifies cell tumor function by impairing extracellular vesicle uptake. 2017 , 7, 3143	17
1497	Isolation and Proteomic Analysis of Microvesicles and Exosomes from HT22 Cells and Primary Neurons. 2017 , 1598, 255-267	7
1496	Labeling Extracellular Vesicles for Nanoscale Flow Cytometry. 2017 , 7, 1878	185
1495	Arginine-rich cell-penetrating peptide-modified extracellular vesicles for active macropinocytosis induction and efficient intracellular delivery. 2017 , 7, 1991	91
1494	Oviduct extracellular vesicles protein content and their role during oviduct-embryo cross-talk. 2017 , 154, 153-168	93
1493	Extracellular vesicles in liver disease and potential as biomarkers and therapeutic targets. 2017 , 14, 455-466	144
1492	Extracellular vesicles of stromal origin target and support hematopoietic stem and progenitor cells. 2017 , 216, 2217-2230	27
1491	Exosomes purified from a single cell type have diverse morphology. 2017 , 6, 1329476	137
1490	Metalloproteinases in extracellular vesicles. 2017 , 1864, 1989-2000	72
1489	CeFra-seq: Systematic mapping of RNA subcellular distribution properties through cell fractionation coupled to deep-sequencing. 2017 , 126, 138-148	13
1488	Exosomes facilitate therapeutic targeting of oncogenic KRAS in pancreatic cancer. 2017 , 546, 498-503	1093
1487	Small extracellular vesicles secreted from senescent cells promote cancer cell proliferation through EphA2. 2017 , 8, 15729	184
1486	A Systematic Evaluation of Factors Affecting Extracellular Vesicle Uptake by Breast Cancer Cells. 2017 , 23, 1274-1282	12
1485	Methods to isolate extracellular vesicles for diagnosis. 2017 , 5,	36
1484	Biochemical and structural features of extracellular vesicle-binding RNA aptamers. 2017 , 6, 615-626	7
1483	Updates on Sjögren's syndrome: from proteomics to protein biomarkers. 2017 , 14, 491-498	10

1482	Proceedings of the ISEV symposium on "HIV, NeuroAIDS, drug abuse & EVs". 2017 , 6, 1294360	2
1481	Exosomes in HIV infection: A review and critical look. 2017 , 53, 146-154	43
1480	Differentiation Affects the Release of Exosomes from Colon Cancer Cells and Their Ability to Modulate the Behavior of Recipient Cells. 2017 , 187, 1633-1647	34
1479	Meprin Metalloproteases Generate Biologically Active Soluble Interleukin-6 Receptor to Induce Trans-Signaling. 2017 , 7, 44053	34
1478	Hypoxia Inducible Factor-1 β Potentiates Jagged 1-Mediated Angiogenesis by Mesenchymal Stem Cell-Derived Exosomes. 2017 , 35, 1747-1759	190
1477	Semi-preparative asymmetrical flow field-flow fractionation: A closer look at channel dimensions and separation performance. 2017 , 1499, 149-157	16
1476	Exosomes Secreted from HEK293-APP Swe/Ind Cells Impair the Hippocampal Neurogenesis. 2017 , 32, 82-93	11
1475	UCH-L1-containing exosomes mediate chemotherapeutic resistance transfer in breast cancer. 2017 , 115, 932-940	64
1474	Exosomes: a new horizon in lung cancer. 2017 , 22, 927-936	64
1473	Expression profiles and circulation dynamics of rat mesenteric lymph microRNAs. 2017 , 15, 1989-1996	7
1472	Angiogenic Mechanisms of Human CD34 Stem Cell Exosomes in the Repair of Ischemic Hindlimb. 2017 , 120, 1466-1476	157
1471	Exosomes as a platform for "liquid biopsy" in pancreatic cancer. 2017 , 3, 013005	4
1470	Ribonucleic artefacts: are some extracellular RNA discoveries driven by cell culture medium components?. 2017 , 6, 1272832	46
1469	Review: Bio-compartmentalization of microRNAs in exosomes during gestational diabetes mellitus. 2017 , 54, 76-82	15
1468	Emerging role of extracellular vesicles in communication of preimplantation embryos in vitro. 2016 , 29, 66-83	17
1467	Myocyte-Derived Hsp90 Modulates Collagen Upregulation via Biphasic Activation of STAT-3 in Fibroblasts during Cardiac Hypertrophy. 2017 , 37,	53
1466	Exosome-like silica nanoparticles: a novel ultrasound contrast agent for stem cell imaging. 2017 , 9, 402-411	71
1465	Secreted Glioblastoma Nanovesicles Contain Intracellular Signaling Proteins and Active Ras Incorporated in a Farnesylation-dependent Manner. 2017 , 292, 611-628	28

1464	Role of extracellular vesicles in the interaction between epithelial and mesenchymal cells during oviductal ciliogenesis. 2017 , 483, 245-251	10
1463	Protein disulfide isomerase externalization in endothelial cells follows classical and unconventional routes. 2017 , 103, 199-208	23
1462	Exosomes from iPSCs Delivering siRNA Attenuate Intracellular Adhesion Molecule-1 Expression and Neutrophils Adhesion in Pulmonary Microvascular Endothelial Cells. 2017 , 40, 486-496	45
1461	Size-dependent cellular uptake of exosomes. 2017 , 13, 1011-1020	75
1460	Methods to Analyze EVs. 2017 , 1545, 1-20	20
1459	A Method for Isolation of Extracellular Vesicles and Characterization of Exosomes from Brain Extracellular Space. 2017 , 1545, 139-151	36
1458	Isolation of Exosomes and Microvesicles from Cell Culture Systems to Study Prion Transmission. 2017 , 1545, 153-176	16
1457	Flow Cytometric Analysis of Extracellular Vesicles. 2017 , 1545, 215-225	30
1456	Imaging and Quantification of Extracellular Vesicles by Transmission Electron Microscopy. 2017 , 1545, 43-54	36
1455	Tunable Resistive Pulse Sensing for the Characterization of Extracellular Vesicles. 2017 , 1545, 21-33	50
1454	Isolation and characterization of urinary extracellular vesicles: implications for biomarker discovery. 2017 , 13, 731-749	208
1453	Annexin-enriched osteoblast-derived vesicles act as an extracellular site of mineral nucleation within developing stem cell cultures. 2017 , 7, 12639	27
1452	Rab27-Dependent Exosome Production Inhibits Chronic Inflammation and Enables Acute Responses to Inflammatory Stimuli. 2017 , 199, 3559-3570	53
1451	The Exosome Total Isolation Chip. 2017 , 11, 10712-10723	173
1450	A total transcriptome profiling method for plasma-derived extracellular vesicles: applications for liquid biopsies. 2017 , 7, 14395	44
1449	Isolation of Exosomes for the Purpose of Protein Cargo Analysis with the Use of Mass Spectrometry. 2017 , 1654, 291-307	18
1448	Isolation and characterization of exosomes from blood plasma of breast cancer and colorectal cancer patients. 2017 , 11, 291-295	3
1447	CD24 induces changes to the surface receptors of B cell microvesicles with variable effects on their RNA and protein cargo. 2017 , 7, 8642	11

1446	Extracellular vesicles as an efficient nanoplatfrom for the delivery of therapeutics. 2017 , 13, 2678-2687	16
1445	Combining Machine Learning and Nanofluidic Technology To Diagnose Pancreatic Cancer Using Exosomes. 2017 , 11, 11182-11193	138
1444	Best practice of identification and proteomic analysis of extracellular vesicles in human health and disease. 2017 , 14, 1073-1090	28
1443	Extracellular vesicles as emerging targets in cancer: Recent development from bench to bedside. 2017 , 1868, 538-563	76
1442	Denervation-related alterations and biological activity of miRNAs contained in exosomes released by skeletal muscle fibers. 2017 , 7, 12888	36
1441	IL-12 stimulates CTLs to secrete exosomes capable of activating bystander CD8 T cells. 2017 , 7, 13365	32
1440	Exosome is a mechanism of intercellular drug transfer: Application of quantitative pharmacology. 2017 , 268, 147-158	36
1439	Effects of storage temperature on airway exosome integrity for diagnostic and functional analyses. 2017 , 6, 1359478	125
1438	Extracellular Vesicle Isolation and Analysis by Western Blotting. 2017 , 1660, 143-152	48
1437	Purification Protocols for Extracellular Vesicles. 2017 , 1660, 111-130	47
1436	Characterization of Extracellular Vesicles by Surface Plasmon Resonance. 2017 , 1660, 133-141	12
1435	Characterization of Extracellular Vesicles by Size-Exclusion High-Performance Liquid Chromatography (HPLC). 2017 , 1660, 191-199	8
1434	Imaging of Isolated Extracellular Vesicles Using Fluorescence Microscopy. 2017 , 1660, 233-241	14
1433	An Adaptable Polyethylene Glycol-Based Workflow for Proteomic Analysis of Extracellular Vesicles. 2017 , 1660, 303-317	9
1432	Protocol for Exosome Isolation from Small Volume of Ovarian Follicular Fluid: Evaluation of Ultracentrifugation and Commercial Kits. 2017 , 1660, 321-341	17
1431	Isolation of Extracellular Vesicles by Ultracentrifugation. 2017 , 1660, 25-32	75
1430	Electric Field-Induced Disruption and Releasing Viable Content from Extracellular Vesicles. 2017 , 1660, 367-376	6
1429	Sequential Filtration: A Gentle Method for the Isolation of Functional Extracellular Vesicles. 2017 , 1660, 33-41	33

1428	Filter-Based Extracellular Vesicle mRNA Isolation and High-Throughput Gene Expression Analysis. 2017 , 1660, 55-63	0
1427	Exosomes from Glioma-Associated Mesenchymal Stem Cells Increase the Tumorigenicity of Glioma Stem-like Cells via Transfer of miR-1587. 2017 , 77, 5808-5819	126
1426	Reproducible and scalable purification of extracellular vesicles using combined bind-elute and size exclusion chromatography. 2017 , 7, 11561	111
1425	Bone-derived exosomes. 2017 , 34, 64-69	23
1424	A bead-assisted flow cytometry method for the semi-quantitative analysis of Extracellular Vesicles. 2017 , 7, 11271	67
1423	Mutant Huntingtin Inhibits B-Crystallin Expression and Impairs Exosome Secretion from Astrocytes. 2017 , 37, 9550-9563	43
1422	Qualitative differences in T-cell activation by dendritic cell-derived extracellular vesicle subtypes. 2017 , 36, 3012-3028	170
1421	Neural glycoprotein M6a is released in extracellular vesicles and modulated by chronic stressors in blood. 2017 , 7, 9788	4
1420	Raman spectroscopy uncovers biochemical tissue-related features of extracellular vesicles from mesenchymal stromal cells. 2017 , 7, 9820	60
1419	Schwann cells secrete extracellular vesicles to promote and maintain the proliferation and multipotency of hDPCs. 2017 , 50,	13
1418	Exosome RNA Unshielding Couples Stromal Activation to Pattern Recognition Receptor Signaling in Cancer. 2017 , 170, 352-366.e13	243
1417	Exosomes Mediate Epithelium-Mesenchyme Crosstalk in Organ Development. 2017 , 11, 7736-7746	67
1416	Low active loading of cargo into engineered extracellular vesicles results in inefficient miRNA mimic delivery. 2017 , 6, 1333882	47
1415	Exosomes derived from pancreatic cancer cells induce insulin resistance in C2C12 myotube cells through the PI3K/Akt/FoxO1 pathway. 2017 , 7, 5384	46
1414	Isolation of Biologically Active Exosomes from Plasma of Patients with Cancer. 2017 , 1633, 257-265	18
1413	MicroRNA-100 shuttled by mesenchymal stem cell-derived exosomes suppresses in vitro angiogenesis through modulating the mTOR/HIF-1 α /VEGF signaling axis in breast cancer cells. 2017 , 40, 457-470	161
1412	Recent advances on extracellular vesicles in therapeutic delivery: Challenges, solutions, and opportunities. 2017 , 119, 381-395	26
1411	Comparison of isolation methods of exosomes and exosomal RNA from cell culture medium and serum. 2017 , 40, 834-844	231

1410	Expansion of BCR/ABL1 cells requires PAK2 but not PAK1. 2017 , 179, 229-241	7
1409	SILAC Based Proteomic Characterization of Exosomes from HIV-1 Infected Cells. 2017 ,	3
1408	Transfer of Mammary Gland-forming Ability Between Mammary Basal Epithelial Cells and Mammary Luminal Cells via Extracellular Vesicles/Exosomes. 2017 ,	1
1407	Urine Exosome Isolation and Characterization. 2017 , 1641, 413-423	38
1406	Serum extracellular vesicle depletion processes affect release and infectivity of HIV-1 in culture. 2017 , 7, 2558	26
1405	Polymeric hydrophilic ionic liquids used to modify magnetic nanoparticles for the highly selective enrichment of N-linked glycopeptides. 2017 , 7, 6984	22
1404	Residual urinary extracellular vesicles in ultracentrifugation supernatants after hydrostatic filtration dialysis enrichment. 2017 , 6, 1267896	20
1403	Specific packaging and circulation of cytochromes P450, especially 2E1 isozyme, in human plasma exosomes and their implications in cellular communications. 2017 , 491, 675-680	35
1402	Exosomes as agents of change in the cardiovascular system. 2017 , 111, 40-50	29
1401	Technical Aspects for the Evaluation of Exosomes and Their Content. 2017 , 61-70	1
1400	A rigorous method to enrich for exosomes from brain tissue. 2017 , 6, 1348885	113
1399	Emerging MS-based platforms for the characterization of tumor-derived exosomes isolated from human biofluids: challenges and promises of MudPIT. 2017 , 14, 757-767	8
1398	High Purity Isolation and Sensitive Quantification of Extracellular Vesicles Using Affinity to TIM4. <i>Current Protocols in Cell Biology</i> , 2017 , 77, 3.45.1-3.45.18	2.3 17
1397	Unveiling massive numbers of cancer-related urinary-microRNA candidates via nanowires. 2017 , 3, e1701133	112
1396	Confounding factors in vesicle uptake studies using fluorescent lipophilic membrane dyes. 2017 , 6, 1388731	102
1395	Extracellular vesicles derived from MSCs activates dermal papilla cell in vitro and promotes hair follicle conversion from telogen to anagen in mice. 2017 , 7, 15560	76
1394	Pre-metastatic cancer exosomes induce immune surveillance by patrolling monocytes at the metastatic niche. 2017 , 8, 1319	164
1393	Circulating MicroRNA-92b-3p as a Novel Biomarker for Monitoring of Synovial Sarcoma. 2017 , 7, 14634	41

1392	Circulating microRNA as candidates for early embryonic viability in cattle. 2017 , 84, 731-743	36
1391	Exosomes: promising sacks for treating ischemic heart disease?. 2017 , 313, H508-H523	19
1390	Directional Exosome Proteomes Reflect Polarity-Specific Functions in Retinal Pigmented Epithelium Monolayers. 2017 , 7, 4901	41
1389	Macrophage exosomes as natural nanocarriers for protein delivery to inflamed brain. 2017 , 142, 1-12	252
1388	Presence of diabetes autoantigens in extracellular vesicles derived from human islets. 2017 , 7, 5000	16
1387	Blood neuron-derived exosomes as biomarkers of cognitive impairment in HIV. 2017 , 31, F9-F17	64
1386	Secretome of in vitro cultured human embryos contains extracellular vesicles that are uptaken by the maternal side. 2017 , 7, 5210	82
1385	Surface Profiling of Extracellular Vesicles from Plasma or Ascites Fluid Using DotScan Antibody Microarrays. 2017 , 1619, 263-301	4
1384	Extracellular Vesicles as Biomarkers and Therapeutics in Dermatology: A Focus on Exosomes. 2017 , 137, 1622-1629	39
1383	TNF- α promotes extracellular vesicle release in mouse astrocytes through glutaminase. 2017 , 14, 87	41
1382	MicroRNA-200c and microRNA-141 are regulated by a FOXP3-KAT2B axis and associated with tumor metastasis in breast cancer. 2017 , 19, 73	61
1381	Cestode parasites release extracellular vesicles with microRNAs and immunodiagnostic protein cargo. 2017 , 47, 675-686	41
1380	Effects of Mesenchymal Stem Cell-Derived Exosomes on Experimental Autoimmune Uveitis. 2017 , 7, 4323	141
1379	Extracellular Vesicles Isolated from the Leaf Apoplast Carry Stress-Response Proteins. 2017 , 173, 728-741	206
1378	Exosomes in immunoregulation of chronic lung diseases. 2017 , 72, 534-544	46
1377	Exosomes and Cardiovascular Protection. 2017 , 31, 77-86	60
1376	Next-generation sequencing-based small RNA profiling of cerebrospinal fluid exosomes. 2017 , 636, 48-57	63
1375	Methods for the physical characterization and quantification of extracellular vesicles in biological samples. 2017 , 1861, 3164-3179	102

1374	The role of extracellular vesicles in neurodegenerative diseases. 2017 , 483, 1178-1186	106
1373	Macrophage-derived exosomes induce inflammatory factors in endothelial cells under hypertensive conditions. 2017 , 40, 353-360	69
1372	Exosomal proteins as prostate cancer biomarkers in urine: From mass spectrometry discovery to immunoassay-based validation. 2017 , 98, 80-85	53
1371	Stage-specific follicular extracellular vesicle uptake and regulation of bovine granulosa cell proliferation. 2017 , 97, 644-655	37
1370	Increased Release of Apolipoprotein E in Extracellular Vesicles Following Amyloid- β Protofibril Exposure of Neuroglial Co-Cultures. 2017 , 60, 305-321	23
1369	Circulating LL37 targets plasma extracellular vesicles to immune cells and intensifies Behçet's disease severity. 2017 , 6, 1284449	5
1368	The HBx gene of hepatitis B virus can influence hepatic microenvironment via exosomes by transferring its mRNA and protein. 2017 , 240, 166-174	35
1367	A cerebrospinal fluid microRNA signature as biomarker for glioblastoma. 2017 , 8, 68769-68779	78
1366	Phytoagent Deoxyelephantopin and Its Derivative Inhibit Triple Negative Breast Cancer Cell Activity through ROS-Mediated Exosomal Activity and Protein Functions. 2017 , 8, 398	12
1365	Mesenchymal Stem Cell-Derived Exosomes: Immunomodulatory Evaluation in an Antigen-Induced Synovitis Porcine Model. 2017 , 4, 39	35
1364	Exosomes derived from platelet-rich plasma promote the re-epithelization of chronic cutaneous wounds via activation of YAP in a diabetic rat model. 2017 , 7, 81-96	179
1363	Exosomes derived from human platelet-rich plasma prevent apoptosis induced by glucocorticoid-associated endoplasmic reticulum stress in rat osteonecrosis of the femoral head via the Akt/Bad/Bcl-2 signal pathway. 2017 , 7, 733-750	134
1362	Exosomes Derived From Natural Killer Cells Exert Therapeutic Effect in Melanoma. 2017 , 7, 2732-2745	177
1361	Progress in Exosome Isolation Techniques. 2017 , 7, 789-804	826
1360	Extracellular Vesicles in Cardiovascular Theranostics. 2017 , 7, 4168-4182	87
1359	Placenta-derived exosomes: potential biomarkers of preeclampsia. 2017 , 12, 8009-8023	60
1358	Differential Proteome Analysis of Extracellular Vesicles from Breast Cancer Cell Lines by Chaperone Affinity Enrichment. 2017 , 5,	36
1357	Exosomes and Other Extracellular Vesicles in HPV Transmission and Carcinogenesis. 2017 , 9,	36

1356	Insights into the Diagnostic Potential of Extracellular Vesicles and Their miRNA Signature from Liquid Biopsy as Early Biomarkers of Diabetic Micro/Macrovascular Complications. 2017 , 18,	28
1355	Molecular Characterization of Peripheral Extracellular Vesicles in Clinically Isolated Syndrome: Preliminary Suggestions from a Pilot Study. 2017 , 5,	3
1354	The Susceptibilities of Respiratory Syncytial Virus to Nucleolin Receptor Blocking and Antibody Neutralization are Dependent upon the Method of Virus Purification. 2017 , 9,	6
1353	Tumour-derived exosomes as a signature of pancreatic cancer - liquid biopsies as indicators of tumour progression. 2017 , 8, 17279-17291	55
1352	P2X7 Receptor Induces Tumor Necrosis Factor- α Converting Enzyme Activation and Release to Boost TNF- β Production. 2017 , 8, 862	30
1351	Pulmonary Extracellular Vesicles as Mediators of Local and Systemic Inflammation. 2017 , 5, 39	43
1350	A Perspective on Extracellular Vesicles Proteomics. 2017 , 5, 102	67
1349	Extracellular Vesicles from Adipose-Derived Mesenchymal Stem/Stromal Cells Accelerate Migration and Activate AKT Pathway in Human Keratinocytes and Fibroblasts Independently of miR-205 Activity. 2017 , 2017, 9841035	39
1348	Exosomes in Cancer Diagnostics. 2017 , 9,	200
1347	The Role of Cancer-Derived Exosomes in Tumorigenicity & Epithelial-to-Mesenchymal Transition. 2017 , 9,	54
1346	An In Vitro Potency Assay for Monitoring the Immunomodulatory Potential of Stromal Cell-Derived Extracellular Vesicles. 2017 , 18,	50
1345	Mesenchymal Stem/Stromal Cell-Derived Extracellular Vesicles and Their Potential as Novel Immunomodulatory Therapeutic Agents. 2017 , 18,	194
1344	Toward Exosome-Based Therapeutics: Isolation, Heterogeneity, and Fit-for-Purpose Potency. 2017 , 4, 63	126
1343	Extracellular Vesicles as Protagonists of Diabetic Cardiovascular Pathology. 2017 , 4, 71	28
1342	Micro- and Nano-vesicles from First Trimester Human Placentae Carry Flt-1 and Levels Are Increased in Severe Preeclampsia. 2017 , 8, 174	27
1341	The Emerging Roles of Extracellular Vesicles As Communication Vehicles within the Tumor Microenvironment and Beyond. 2017 , 8, 194	48
1340	Urinary Exosomes and Their Cargo: Potential Biomarkers for Mineralocorticoid Arterial Hypertension?. 2017 , 8, 230	17
1339	Cross Talk between Adipose Tissue and Placenta in Obese and Gestational Diabetes Mellitus Pregnancies Exosomes. 2017 , 8, 239	50

1338	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
1337	Mesenchymal Stromal Cell-Derived Microvesicles Regulate an Internal Pro-Inflammatory Program in Activated Macrophages. 2017 , 8, 881	41
1336	Requirement of Gamma-Carboxyglutamic Acid Modification and Phosphatidylserine Binding for the Activation of Tyro3, Axl, and Mertk Receptors by Growth Arrest-Specific 6. 2017 , 8, 1521	37
1335	MSCs-Derived Exosomes and Neuroinflammation, Neurogenesis and Therapy of Traumatic Brain Injury. 2017 , 11, 55	104
1334	Exosomes in the Diseased Brain: First Insights from Studies. 2017 , 11, 142	49
1333	Investigation of Endocytic Pathways for the Internalization of Exosome-Associated Oligomeric Alpha-Synuclein. 2017 , 11, 172	55
1332	Focus on Mesenchymal Stem Cell-Derived Exosomes: Opportunities and Challenges in Cell-Free Therapy. 2017 , 2017, 6305295	88
1331	Delivery of Biomolecules via Extracellular Vesicles: A Budding Therapeutic Strategy. 2017 , 98, 155-175	11
1330	Myocardial Regeneration via Progenitor Cell-Derived Exosomes. 2017 , 2017, 7849851	12
1329	Antitumor HPV E7-specific CTL activity elicited by in vivo engineered exosomes produced through DNA inoculation. 2017 , 12, 4579-4591	40
1328	Effects of embryo-derived exosomes on the development of bovine cloned embryos. 2017 , 12, e0174535	53
1327	Identification and characteristics of extracellular vesicles from bovine blastocysts produced in vitro. 2017 , 12, e0178306	51
1326	Exosome secretion affects social motility in Trypanosoma brucei. 2017 , 13, e1006245	55
1325	Human pancreatic islet-derived extracellular vesicles modulate insulin expression in 3D-differentiating iPSC clusters. 2017 , 12, e0187665	9
1324	A Comparative Study of Serum Exosome Isolation Using Differential Ultracentrifugation and Three Commercial Reagents. 2017 , 12, e0170628	315
1323	Exosomes of human placenta-derived mesenchymal stem cells stimulate angiogenesis. 2017 , 8, 219	90
1322	Detection of circulating miRNAs: comparative analysis of extracellular vesicle-incorporated miRNAs and cell-free miRNAs in whole plasma of prostate cancer patients. 2017 , 17, 730	128
1321	Bi-directional exosome-driven intercommunication between the hepatic niche and cancer cells. 2017 , 16, 172	40

1320	A transwell assay that excludes exosomes for assessment of tunneling nanotube-mediated intercellular communication. 2017 , 15, 46	15
1319	Alb accumulation causes MVB enlargement and is modelled by dominant negative VPS4A. 2017 , 12, 61	39
1318	Extracellular vesicles from human liver stem cells restore argininosuccinate synthase deficiency. 2017 , 8, 176	24
1317	Exosomes from embryonic mesenchymal stem cells alleviate osteoarthritis through balancing synthesis and degradation of cartilage extracellular matrix. 2017 , 8, 189	216
1316	Enhanced exosome secretion in Down syndrome brain - a protective mechanism to alleviate neuronal endosomal abnormalities. 2017 , 5, 65	60
1315	Are exosomes the vehicle for protein aggregate propagation in neurodegenerative diseases?. 2017 , 5, 64	37
1314	Quantitation of putative colorectal cancer biomarker candidates in serum extracellular vesicles by targeted proteomics. 2017 , 7, 12782	29
1313	Monocyte-derived exosomes upon exposure to cigarette smoke condensate alter their characteristics and show protective effect against cytotoxicity and HIV-1 replication. 2017 , 7, 16120	24
1312	Saliva-Exosomics in Cancer: Molecular Characterization of Cancer-Derived Exosomes in Saliva. 2017 , 42, 125-151	43
1311	Comprehensive microRNA-sequencing of exosomes derived from head and neck carcinoma cells reveals common secretion profiles and potential utility as salivary biomarkers. 2017 , 8, 82459-82474	46
1310	Loading of Extracellular Vesicles with Chemically Stabilized Hydrophobic siRNAs for the Treatment of Disease in the Central Nervous System. 2017 , 7,	6
1309	Pediatric brain tumor cells release exosomes with a miRNA repertoire that differs from exosomes secreted by normal cells. 2017 , 8, 90164-90175	29
1308	Exploiting Exosomes for Differential Diagnosis of Multiple Myeloma and Monoclonal Gammopathy of Undetermined Significance. 2017 ,	1
1307	Modulation of paracrine signaling by CD9 positive small extracellular vesicles mediates cellular growth of androgen deprived prostate cancer. 2017 , 8, 52237-52255	43
1306	Extracellular vesicles isolation and their biomarker potential: are we ready for testing?. 2017 , 5, 54	27
1305	Glucagon-Like Peptide-1 (GLP-1) Receptor Agonist Liraglutide Alters Bone Marrow Exosome-Mediated miRNA Signal Pathways in Ovariectomized Rats with Type 2 Diabetes. 2017 , 23, 5410-5419 ¹⁷	
1304	A novel non-contact communication between human keratinocytes and T cells: Exosomes derived from keratinocytes support superantigen-induced proliferation of resting T cells. 2017 , 16, 7032-7038	14
1303	Tumor-derived exosomes in ovarian cancer - liquid biopsies for early detection and real-time monitoring of cancer progression. 2017 , 8, 104687-104703	37

1302	Exosomal miR-940 maintains SRC-mediated oncogenic activity in cancer cells: a possible role for exosomal disposal of tumor suppressor miRNAs. 2017 , 8, 20145-20164	43
1301	Alteration of exosomes secreted from renal tubular epithelial cells exposed to high-concentration oxalate. 2017 , 8, 92635-92642	11
1300	Stem-cell extracellular vesicles and lung repair. 2017 , 4, 78	33
1299	Clinical potential of mesenchymal stem/stromal cell-derived extracellular vesicles. 2017 , 4, 84	85
1298	Long Noncoding RNAs: New Players in the Osteogenic Differentiation of Bone Marrow- and Adipose-Derived Mesenchymal Stem Cells. 2018 , 14, 297-308	36
1297	Melanoma exosomes promote mixed M1 and M2 macrophage polarization. 2018 , 105, 63-72	89
1296	Vesicle-based secretion in schistosomes: Analysis of protein and microRNA (miRNA) content of exosome-like vesicles derived from <i>Schistosoma mansoni</i> . 2018 , 8, 3286	70
1295	Specific ADAM10 inhibitors localize in exosome-like vesicles released by Hodgkin lymphoma and stromal cells and prevent sheddase activity carried to bystander cells. 2018 , 7, e1421889	20
1294	Mutant p53 cancers reprogram macrophages to tumor supporting macrophages via exosomal miR-1246. 2018 , 9, 771	245
1293	Isolation of Exosome-Like Nanoparticles and Analysis of MicroRNAs Derived from Coconut Water Based on Small RNA High-Throughput Sequencing. 2018 , 66, 2749-2757	40
1292	Extracellular vesicles as a platform for membrane-associated therapeutic protein delivery. 2018 , 7, 1440131	98
1291	Extracellular vesicle RNAs reflect placenta dysfunction and are a biomarker source for preterm labour. 2018 , 22, 2760-2773	38
1290	Circulating Exosomes with Distinct Properties during Chronic Lung Allograft Rejection. 2018 , 200, 2535-2541	41
1289	Characterization of Exosomal SLC22A5 (OCTN2) carnitine transporter. 2018 , 8, 3758	16
1288	Targeting Inflammatory Vasculature by Extracellular Vesicles. 2018 , 20, 37	13
1287	Extracellular vesicles: pathogenetic, diagnostic and therapeutic value in traumatic brain injury. 2018 , 15, 451-461	21
1286	Proteomic Analysis of Cancer-Associated Fibroblasts Reveals a Paracrine Role for MFAP5 in Human Oral Tongue Squamous Cell Carcinoma. 2018 , 17, 2045-2059	47
1285	Circulating exosomal microRNAs in acquired aplastic anemia and myelodysplastic syndromes. 2018 , 103, 1150-1159	19

1284	Protein Digestion, Ultrafiltration, and Size Exclusion Chromatography to Optimize the Isolation of Exosomes from Human Blood Plasma and Serum. 2018,	28
1283	The multifaceted role of exosomes in cancer progression: diagnostic and therapeutic implications [corrected]. 2018, 41, 223-252	40
1282	Mechanically induced Ca oscillations in osteocytes release extracellular vesicles and enhance bone formation. 2018, 6, 6	72
1281	Extracellular vesicles: a promising tool for assessment of embryonic competence. 2018, 30, 171-178	11
1280	Exosome Therapy for Stroke. 2018, 49, 1083-1090	76
1279	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. 2018, 7, 1446660	46
1278	Extracellular vesicles in mesenchymal stromal cells: A novel therapeutic strategy for stroke. 2018, 15, 4067-4079	25
1277	Designer exosomes produced by implanted cells intracerebrally deliver therapeutic cargo for Parkinson's disease treatment. 2018, 9, 1305	232
1276	Tumor-derived extracellular vesicles activate primary monocytes. 2018, 7, 2013-2020	10
1275	Potential roles of tumor-derived exosomes in angiogenesis. 2018, 22, 409-417	66
1274	Lymphatic exosomes promote dendritic cell migration along guidance cues. 2018, 217, 2205-2221	42
1273	Beta cell extracellular vesicle miR-21-5p cargo is increased in response to inflammatory cytokines and serves as a biomarker of type 1 diabetes. 2018, 61, 1124-1134	65
1272	Simple isolation and characterization of seminal plasma extracellular vesicle and its total RNA in an academic lab. 2018, 8, 139	5
1271	Circulating Exosomal miR-17-5p and miR-92a-3p Predict Pathologic Stage and Grade of Colorectal Cancer. 2018, 11, 221-232	108
1270	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. 2018, 20, 332-343	686
1269	Extracellular Vesicles in Human Reproduction in Health and Disease. 2018, 39, 292-332	85
1268	Exosomes with Highly Angiogenic Potential for Possible Use in Pulp Regeneration. 2018, 44, 751-758	36
1267	Extracellular vesicles from parasitic helminths and their potential utility as vaccines. 2018, 17, 197-205	25

1266	Aggressive serous epithelial ovarian cancer is potentially propagated by EpCAMCD45 phenotype. 2018 , 37, 2089-2103	30
1265	Physical exosome:exosome interactions. 2018 , 22, 2001-2006	58
1264	New Technologies for Analysis of Extracellular Vesicles. 2018 , 118, 1917-1950	581
1263	Loading of Extracellular Vesicles with Hydrophobically Modified siRNAs. 2018 , 1740, 199-214	8
1262	Overview of Protocols for Studying Extracellular RNA and Extracellular Vesicles. 2018 , 1740, 17-21	8
1261	Cushioned-Density Gradient Ultracentrifugation (C-DGUC): A Refined and High Performance Method for the Isolation, Characterization, and Use of Exosomes. 2018 , 1740, 69-83	64
1260	Enrichment of Extracellular Vesicle Subpopulations Via Affinity Chromatography. 2018 , 1740, 109-124	6
1259	Improved neuron culture using scaffolds made of three-dimensional PDMS micro-lattices. 2018 , 13, 034105	10
1258	Progesterone effects on extracellular vesicles in the sheep uterus. 2018 , 98, 612-622	39
1257	Shedding light on the cell biology of extracellular vesicles. 2018 , 19, 213-228	2729
1256	Exosomes originating from MSCs stimulated with TGF- β and IFN- γ promote Treg differentiation. 2018 , 233, 6832-6840	79
1255	Tumor-derived exosomal miR-1247-3p induces cancer-associated fibroblast activation to foster lung metastasis of liver cancer. 2018 , 9, 191	410
1254	Neuronal lysosomal dysfunction releases exosomes harboring APP C-terminal fragments and unique lipid signatures. 2018 , 9, 291	110
1253	Efficient ultrafiltration-based protocol to deplete extracellular vesicles from fetal bovine serum. 2018 , 7, 1422674	72
1252	Exosomes as secondary inductive signals involved in kidney organogenesis. 2018 , 7, 1422675	20
1251	Exosomal microRNAs (exomiRs): Small molecules with a big role in cancer. 2018 , 420, 228-235	111
1250	Hepatic stellate cell-derived platelet-derived growth factor receptor-alpha-enriched extracellular vesicles promote liver fibrosis in mice through SHP2. 2018 , 68, 333-348	45
1249	Applications of stem cell-derived exosomes in tissue engineering and neurological diseases. 2018 , 29, 531-546	20

1248	Retinoic acid synthesis by NG2 expressing cells promotes a permissive environment for axonal outgrowth. 2018 , 111, 70-79	19
1247	The release and transmission of amyloid precursor protein via exosomes. 2018 , 114, 18-25	9
1246	Genome-wide Profiling of Urinary Extracellular Vesicle microRNAs Associated With Diabetic Nephropathy in Type 1 Diabetes. 2018 , 3, 555-572	36
1245	Extracellular vesicles or free circulating DNA: where to search for BRAF and cKIT mutations?. 2018 , 14, 875-882	17
1244	Engineered exosomes emerging from muscle cells break immune tolerance to HER2 in transgenic mice and induce antigen-specific CTLs upon challenge by human dendritic cells. 2018 , 96, 211-221	20
1243	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. 2018 , 9, 175	158
1242	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. 2018 , 114, 19-34	198
1241	Sample Preparation and Imaging of Exosomes by Transmission Electron Microscopy. 2018 ,	65
1240	Extracellular Vesicles from Hypoxic Adipocytes and Obese Subjects Reduce Insulin-Stimulated Glucose Uptake. 2018 , 62, 1700917	34
1239	Exosomes in Cancer Liquid Biopsy: A Focus on Breast Cancer. 2018 , 10, 131-141	107
1238	Is the DNA of placental origin packaged in exosomes isolated from plasma and serum of pregnant women?. 2018 , 56, e150-e153	11
1237	Monitoring the dynamics of cell-derived extracellular vesicles at the nanoscale by liquid-cell transmission electron microscopy. 2018 , 10, 1234-1244	21
1236	Protein Profiling and Sizing of Extracellular Vesicles from Colorectal Cancer Patients via Flow Cytometry. 2018 , 12, 671-680	202
1235	Exosomes Associated with Human Ovarian Tumors Harbor a Reversible Checkpoint of T-cell Responses. 2018 , 6, 236-247	43
1234	A Novel Strategy to Increase the Yield of Exosomes (Extracellular Vesicles) for an Expansion of Basic Research. 2018 , 41, 733-742	35
1233	Rapid isolation and enrichment of extracellular vesicle preparations using anion exchange chromatography. 2018 , 8, 5730	69
1232	The decade of exosomal long RNA species: an emerging cancer antagonist. 2018 , 17, 75	89
1231	Mesenchymal stem cell-derived extracellular vesicles: novel frontiers in regenerative medicine. 2018 , 9, 63	282

1230	Extracellular vesicles characteristics and emerging roles in atherosclerotic cardiovascular disease. 2018 , 85, 213-222	57
1229	Profiling plasma extracellular vesicle by pluronic block-copolymer based enrichment method unveils features associated with breast cancer aggression, metastasis and invasion. 2018 , 7, 1458574	14
1228	Hydrophobicity of Lipid-Conjugated siRNAs Predicts Productive Loading to Small Extracellular Vesicles. 2018 , 26, 1520-1528	18
1227	Cancer Exosomes for Early Pancreatic Cancer Diagnosis and Role in Metastasis. 2018 , 1361-1377	
1226	Autophagy regulates exosomal release of prions in neuronal cells. 2018 , 293, 8956-8968	65
1225	The Fas/Fap-1/Cav-1 complex regulates IL-1RA secretion in mesenchymal stem cells to accelerate wound healing. 2018 , 10,	68
1224	Treatment of experimental necrotizing enterocolitis with stem cell-derived exosomes. 2018 , 53, 1215-1220	40
1223	PKH26 labeling of extracellular vesicles: Characterization and cellular internalization of contaminating PKH26 nanoparticles. 2018 , 1860, 1350-1361	110
1222	Extracellular Vesicles Derived from Wharton's Jelly Mesenchymal Stem Cells Prevent and Resolve Programmed Cell Death Mediated by Perinatal Hypoxia-Ischemia in Neuronal Cells. 2018 , 27, 168-180	36
1221	Purification of Exosomes from Primary Schwann Cells, RNA Extraction, and Next-Generation Sequencing of Exosomal RNAs. 2018 , 1739, 299-315	8
1220	Modulation of β -glucocerebrosidase increases β -synuclein secretion and exosome release in mouse models of Parkinson's disease. 2018 , 27, 1696-1710	47
1219	Remote ischemic preconditioning fails to reduce infarct size in the Zucker fatty rat model of type-2 diabetes: role of defective humoral communication. 2018 , 113, 16	38
1218	Trophoblast Glycoprotein (TPGB/5T4) in Human Placenta: Expression, Regulation, and Presence in Extracellular Microvesicles and Exosomes. 2018 , 25, 185-197	14
1217	Exosomes and their Application in Biomedical Field: Difficulties and Advantages. 2018 , 55, 3372-3393	52
1216	Protein Characterization of Extracellular Microvesicles/Exosomes Released from Cytotoxin-Challenged Rat Cerebrocortical Mixed Culture and Mouse N2a Cells. 2018 , 55, 2112-2124	10
1215	Current knowledge on exosome biogenesis and release. 2018 , 75, 193-208	1034
1214	Serum exosomal protein profiling for the non-invasive detection of cardiac allograft rejection. 2018 , 37, 409-417	40
1213	Identification of E6/E7-Dependent MicroRNAs in HPV-Positive Cancer Cells. 2018 , 1699, 119-134	8

1212	Inflammation-Stimulated Mesenchymal Stromal Cell-Derived Extracellular Vesicles Attenuate Inflammation. 2018 , 36, 79-90	119
1211	Ferritin is secreted via 2 distinct nonclassical vesicular pathways. 2018 , 131, 342-352	80
1210	Real-time analysis of protein and protein mixture interaction with lipid bilayers. 2018 , 1860, 319-328	9
1209	Extracellular Vesicles Released by Cardiomyocytes in a Doxorubicin-Induced Cardiac Injury Mouse Model Contain Protein Biomarkers of Early Cardiac Injury. 2018 , 24, 1644-1653	32
1208	A microRNA signature from serum exosomes of patients with glioma as complementary diagnostic biomarker. 2018 , 136, 51-62	85
1207	Analysis of Individual Extracellular Vesicles by Flow Cytometry. 2018 , 1678, 79-92	55
1206	Evidence of Extracellular Vesicles Biogenesis and Release in Mouse Embryonic Stem Cells. 2018 , 14, 262-276	10
1205	Serum exosomes as predictors of clinical response to ipilimumab in metastatic melanoma. 2018 , 7, e1387706	56
1204	Liquid biopsy in the diagnosis of HPV DNA in breast lesions. 2018 , 13, 187-194	11
1203	Cell-secreted vesicles containing microRNAs as regulators of gamete maturation. 2018 , 236, R15-R27	39
1202	Cardioprotection mediated by exosomes is impaired in the setting of type II diabetes but can be rescued by the use of non-diabetic exosomes in vitro. 2018 , 22, 141-151	62
1201	Salmonella enterica Serovar Typhimurium Alters the Extracellular Proteome of Macrophages and Leads to the Production of Proinflammatory Exosomes. 2018 , 86,	31
1200	Exosomes Mediate Intercellular Transmission of Porcine Reproductive and Respiratory Syndrome Virus. 2018 , 92,	32
1199	Optimized Specific Isolation of Placenta-Derived Exosomes from Maternal Circulation. 2018 , 1710, 131-138	17
1198	Isolation and Characterization of Extracellular Vesicles from Ex Vivo Cultured Human Placental Explants. 2018 , 1710, 117-129	13
1197	The Impact of the CD9 Tetraspanin on Lentivirus Infectivity and Exosome Secretion. 2018 , 26, 634-647	44
1196	Nanoparticle orientation to control RNA loading and ligand display on extracellular vesicles for cancer regression. 2018 , 13, 82-89	216
1195	Role of extracellular vesicles in glioma progression. 2018 , 60, 38-51	43

1194	Exosomes secreted by hypoxic cardiosphere-derived cells enhance tube formation and increase pro-angiogenic miRNA. 2018 , 119, 4150-4160	47
1193	Placental exosomes: A proxy to understand pregnancy complications. 2018 , 79, e12788	45
1192	Autophagy inhibition promotes SNCA/alpha-synuclein release and transfer via extracellular vesicles with a hybrid autophagosome-exosome-like phenotype. 2018 , 14, 98-119	123
1191	Glioblastoma stem cell-derived exosomes induce M2 macrophages and PD-L1 expression on human monocytes. 2018 , 7, e1412909	151
1190	Induced Pluripotent Stem Cell (iPSC)-Derived Extracellular Vesicles Are Safer and More Effective for Cardiac Repair Than iPSCs. 2018 , 122, 296-309	140
1189	Exosome function in aerodigestive mucosa. 2018 , 14, 269-277	17
1188	Exosomes and cardioprotection - A critical analysis. 2018 , 60, 104-114	61
1187	BMSCs-derived miR-223-containing exosomes contribute to liver protection in experimental autoimmune hepatitis. 2018 , 93, 38-46	123
1186	The role of exosomes on colorectal cancer: A review. 2018 , 33, 792-799	38
1185	Why the need and how to approach the functional diversity of extracellular vesicles. 2018 , 373,	182
1184	Mesenchymal Stromal Cell Therapy of Stroke. 2018 , 217-237	2
1183	Extracellular vesicles: Novel mediator for cell to cell communications in liver pathogenesis. 2018 , 60, 115-122	57
1182	Histamine stimulates secretion of extracellular vesicles with nucleotidase activity in rat submandibular gland. 2018 , 85, 201-206	5
1181	Extracellular vesicles, exosomes and shedding vesicles in regenerative medicine - a new paradigm for tissue repair. 2017 , 6, 60-78	142
1180	Divergent evolution of temozolomide resistance in glioblastoma stem cells is reflected in extracellular vesicles and coupled with radiosensitization. 2018 , 20, 236-248	64
1179	Immune modulation by a cellular network of mesenchymal stem cells and breast cancer cell subsets: Implication for cancer therapy. 2018 , 326, 33-41	8
1178	Mesenchymal stem cells as natural biofactories for exosomes carrying miR-124a in the treatment of gliomas. 2018 , 20, 380-390	108
1177	Acute myeloid leukemia transforms the bone marrow niche into a leukemia-permissive microenvironment through exosome secretion. 2018 , 32, 575-587	186

1176	RF Electrical Detection and Characterization of Exosomes Released from Epstein-Barr Virus Infected and Uninfected Cells. 2018,	
1175	Immune Response to Extracellular Vesicles From Human Islets of Langerhans in Patients With Type 1 Diabetes. 2018, 159, 3834-3847	23
1174	Soluble CD157 in pleural effusions: a complementary tool for the diagnosis of malignant mesothelioma. 2018, 9, 22785-22801	3
1173	Adiponectin/T-cadherin system enhances exosome biogenesis and decreases cellular ceramides by exosomal release. 2018, 3,	68
1172	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. 2018, 3,	31
1171	Exosome Biogenesis and Biological Function in Response to Viral Infections. 2018, 12, 134-148	50
1170	Biomarker-Based Targeted Therapeutics. 2018,	3
1169	Exosomes in melanoma: a role in tumor progression, metastasis and impaired immune system activity. 2018, 9, 20826-20837	74
1168	Extracellular vesicles as circulating cancer biomarkers: opportunities and challenges. 2018, 7, 14	117
1167	Circulating MicroRNA Profiling in Cancer Biomarker Discovery. 2018,	
1166	Biogenesis, Stabilization, and Transport of microRNAs in Kidney Health and Disease. 2018, 4,	3
1165	Triggering Endogenous Cardiac Repair and Regeneration via Extracellular Vesicle-Mediated Communication. 2018, 9, 1497	21
1164	Exosomes and Exosome-Inspired Vesicles for Targeted Drug Delivery. 2018, 10,	237
1163	Chemoresistance Transmission via Exosome-Mediated EphA2 Transfer in Pancreatic Cancer. 2018, 8, 5986-5994	56
1162	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. 2018, 7, 1535750	3642
1161	Intranasal administration of exosomes derived from mesenchymal stem cells ameliorates autistic-like behaviors of BTBR mice. 2018, 9, 57	66
1160	Molecular mechanisms of biogenesis of apoptotic exosome-like vesicles and their roles as damage-associated molecular patterns. 2018, 115, E11721-E11730	55
1159	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Attenuate Dendritic Cell Maturation and Function. 2018, 9, 2538	104

1158	Secretion of Tau via an Unconventional Non-vesicular Mechanism. 2018 , 25, 2027-2035.e4	62
1157	Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Promote Neuroprotection in a Genetic DBA/2J Mouse Model of Glaucoma. 2018 , 59, 5473-5480	42
1156	Hypoxia-elicited mesenchymal stem cell-derived exosomes facilitates cardiac repair through miR-125b-mediated prevention of cell death in myocardial infarction. 2018 , 8, 6163-6177	180
1155	Extracellular Vesicles Released by () Promote Disease Progression and Induce the Production of Different Cytokines in Macrophages and B-1 Cells. 2018 , 9, 3056	26
1154	Selective Export into Extracellular Vesicles and Function of tRNA Fragments during T Cell Activation. 2018 , 25, 3356-3370.e4	99
1153	Annexin A1 May Induce Pancreatic Cancer Progression as a Key Player of Extracellular Vesicles Effects as Evidenced in the In Vitro MIA PaCa-2 Model System. 2018 , 19,	33
1152	Targeted-pig trial on safety and immunogenicity of serum-derived extracellular vesicles enriched fractions obtained from Porcine Respiratory and Reproductive virus infections. 2018 , 8, 17487	19
1151	Toward Exosome-Based Neuronal Diagnostic Devices. 2018 , 9,	13
1150	Rapid and accurate analysis of stem cell-derived extracellular vesicles with super resolution microscopy and live imaging. 2018 , 1865, 1891-1900	41
1149	Autophagy, EVs, and Infections: A Perfect Question for a Perfect Time. 2018 , 8, 362	35
1148	UBL3 modification influences protein sorting to small extracellular vesicles. 2018 , 9, 3936	31
1147	Total membrane lipid assay (MLA): simple and practical quantification of exosomes based on efficient membrane-specific dyes unaffected by proteins. 2018 , 2, 2130-2139	9
1146	Mining of potential microRNAs with clinical correlation - regulation of syndecan-1 expression by miR-122-5p altered mobility of breast cancer cells and possible correlation with liver injury. 2018 , 9, 28165-28175	22
1145	Sinomenine Protects Against Morphine Dependence through the NMDAR1/CAMKII/CREB Pathway: A Possible Role of Astrocyte-Derived Exosomes. 2018 , 23,	14
1144	Differential Expression of Keratinocyte-Derived Extracellular Vesicle Mirnas Discriminate Exosomes From Apoptotic Bodies and Microvesicles. 2018 , 9, 535	17
1143	Extracellular Vesicles in Bladder Cancer: Biomarkers and Beyond. 2018 , 19,	16
1142	Detection of exosomes by ZnO nanowires coated three-dimensional scaffold chip device. 2018 , 122, 211-216	68
1141	Proteomics study of human cord blood reticulocyte-derived exosomes. 2018 , 8, 14046	22

1140	Methodological Approaches to Study Extracellular Vesicle miRNAs in Epstein-Barr Virus-Associated Cancers. 2018 , 19,	9
1139	Isolation of Extracellular Vesicles from Subventricular Zone Neural Stem Cells. 2019 , 2002, 75-85	2
1138	Melittin-induced long non-coding RNA NONHSAT105177 inhibits proliferation and migration of pancreatic ductal adenocarcinoma. 2018 , 9, 940	31
1137	Extracellular vesicles: translational challenges and opportunities. 2018 , 46, 1073-1082	20
1136	Lab-on-Chip for Exosomes and Microvesicles Detection and Characterization. 2018 , 18,	86
1135	Cancer-associated fibroblasts contribute to oral cancer cells proliferation and metastasis via exosome-mediated paracrine miR-34a-5p. 2018 , 36, 209-220	140
1134	Exosomes, Their Biogenesis and Role in Inter-Cellular Communication, Tumor Microenvironment and Cancer Immunotherapy. 2018 , 6,	55
1133	The Pro-angiogenesis Of Exosomes Derived From Umbilical Cord Blood Of Intrauterine Growth Restriction Pigs Was Repressed Associated With MiRNAs. 2018 , 14, 1426-1436	13
1132	Extracellular Vesicles: Potential Participants in Circadian Rhythm Synchronization. 2018 , 14, 1610-1620	20
1131	An Endothelial-to-Adipocyte Extracellular Vesicle Axis Governed by Metabolic State. 2018 , 175, 695-708.e13	163
1130	Exosomes as adjuvants for the recombinant hepatitis B antigen: First report. 2018 , 133, 1-11	25
1129	Arrowtail RNA for Ligand Display on Ginger Exosome-like Nanovesicles to Systemic Deliver siRNA for Cancer Suppression. 2018 , 8, 14644	48
1128	Urinary Exosomal mRNA of WT1 as Diagnostic and Prognostic Biomarker for Diabetic Nephropathy. 2018 , 65, 208-215	39
1127	Interferometric plasmonic imaging and detection of single exosomes. 2018 , 115, 10275-10280	85
1126	Pre-eclampsia is associated with altered expression of the renal sodium transporters NKCC2, NCC and ENaC in urinary extracellular vesicles. 2018 , 13, e0204514	22
1125	TGF- β -mediated exosomal lnc-MMP2-2 regulates migration and invasion of lung cancer cells to the vasculature by promoting MMP2 expression. 2018 , 7, 5118-5129	58
1124	Disabled homolog 2 interactive protein functions as a tumor suppressor in osteosarcoma cells. 2018 , 16, 703-712	
1123	Exosomes Derived From Mesenchymal Stromal Cells Pretreated With Advanced Glycation End Product-Bovine Serum Albumin Inhibit Calcification of Vascular Smooth Muscle Cells. 2018 , 9, 524	21

1122	Endothelial cells release cardioprotective exosomes that may contribute to ischaemic preconditioning. 2018 , 8, 15885	59
1121	Endothelial Extracellular Vesicles in Pulmonary Function and Disease. 2018 , 82, 197-256	23
1120	Harmonization of exosome isolation from culture supernatants for optimized proteomics analysis. 2018 , 13, e0205496	19
1119	Discovery of a diagnostic biomarker for colon cancer through proteomic profiling of small extracellular vesicles. 2018 , 18, 1058	23
1118	Exosomes in cancer: small vesicular transporters for cancer progression and metastasis, biomarkers in cancer therapeutics. 2018 , 6, e4763	39
1117	ExoAPP: Exosome-Oriented, Aptamer Nanoprobe-Enabled Surface Proteins Profiling and Detection. 2018 , 90, 14402-14411	111
1116	In Situ Detection of Plasma Exosomal MicroRNA-1246 for Breast Cancer Diagnostics by a Au Nanoflare Probe. 2018 , 10, 39478-39486	77
1115	Extracellular Vesicles Secreted by Hypoxic AC10 Cardiomyocytes Modulate Fibroblast Cell Motility. 2018 , 5, 152	9
1114	The Ambiguous Roles of Extracellular Vesicles in HIV Replication and Pathogenesis. 2018 , 9, 2411	25
1113	Circulating Plasma Extracellular Vesicles from Septic Mice Induce Inflammation via MicroRNA- and TLR7-Dependent Mechanisms. 2018 , 201, 3392-3400	50
1112	Quantification of MicroRNAs by Coupling Cyclic Enzymatic Amplification with Microfluidic Voltage-Assisted Liquid Desorption Electrospray Ionization Mass Spectrometry. 2018 , 90, 13663-13669	10
1111	Precipitation with polyethylene glycol followed by washing and pelleting by ultracentrifugation enriches extracellular vesicles from tissue culture supernatants in small and large scales. 2018 , 7, 1528109	92
1110	Exosome Isolation: Cyclical Electrical Field Flow Fractionation in Low-Ionic-Strength Fluids. 2018 , 90, 12783-12790	27
1109	Exosomes Produced from 3D Cultures of MSCs by Tangential Flow Filtration Show Higher Yield and Improved Activity. 2018 , 26, 2838-2847	134
1108	NANOmetric BIO-Banked MSC-Derived Exosome (NANOBIOME) as a Novel Approach to Regenerative Medicine. 2018 , 7,	27
1107	Preparation of Extracellular Vesicles from Mesenchymal Stem Cells. 2018 , 37-51	
1106	The Role of Natural-Based Biomaterials in Advanced Therapies for Autoimmune Diseases. 2018 , 1077, 127-146	1
1105	Caveolin-1-containing extracellular vesicles transport adhesion proteins and promote malignancy in breast cancer cell lines. 2018 , 13, 2597-2609	41

1104	The roles of tumor-derived exosomes in non-small cell lung cancer and their clinical implications. 2018 , 37, 226	83
1103	pH-responsive hyaluronate-anchored extracellular vesicles to promote tumor-targeted drug delivery. 2018 , 202, 323-333	61
1102	Colorectal cancer-derived small extracellular vesicles establish an inflammatory premetastatic niche in liver metastasis. 2018 , 39, 1368-1379	103
1101	Liquid biopsy of cancer: a multimodal diagnostic tool in clinical oncology. 2018 , 10, 1758835918794630	202
1100	Failure to detect functional transfer of active K-Ras protein from extracellular vesicles into recipient cells in culture. 2018 , 13, e0203290	4
1099	Substrate-inactivated cyclooxygenase-2 is disposed of by exosomes through the ER-Golgi pathway. 2018 , 475, 3141-3151	4
1098	Characterization of selective exosomal microRNA expression profile derived from laryngeal squamous cell carcinoma detected by next generation sequencing. 2018 , 40, 2584-2594	24
1097	Thermoresponsive Gel Embedded with Adipose Stem-Cell-Derived Extracellular Vesicles Promotes Esophageal Fistula Healing in a Thermo-Actuated Delivery Strategy. 2018 , 12, 9800-9814	43
1096	-mRNA-Carrying Exosomes from Human T Cell Lymphotropic Virus Type 1-Infected Cells Can Induce Interferon-Gamma Production. 2018 , 34, 1075-1082	9
1095	Therapeutic potential of extracellular vesicles derived from human mesenchymal stem cells in a model of progressive multiple sclerosis. 2018 , 13, e0202590	69
1094	Extracellular vesicles from pluripotent stem cell-derived mesenchymal stem cells acquire a stromal modulatory proteomic pattern during differentiation. 2018 , 50, 1-12	31
1093	Exosomes: Cellular capsules for drug delivery in Parkinson's disease. 2018 , 91-151	3
1092	In Vivo Tracking of Multiple Tumor Exosomes Labeled by Phospholipid-Based Bioorthogonal Conjugation. 2018 , 90, 11273-11279	24
1091	Microgravity-Induced Alterations of Inflammation-Related Mechanotransduction in Endothelial Cells on Board SJ-10 Satellite. 2018 , 9, 1025	27
1090	DNA Vectors Generating Engineered Exosomes Potential CTL Vaccine Candidates Against AIDS, Hepatitis B, and Tumors. 2018 , 60, 773-782	15
1089	Acoustic Enrichment of Extracellular Vesicles from Biological Fluids. 2018 , 90, 8011-8019	53
1088	mRNA transcript distribution bias between <i>Borrelia burgdorferi</i> bacteria and their outer membrane vesicles. 2018 , 365,	12
1087	Exosomes as a Drug Delivery System in Cancer Therapy: Potential and Challenges. 2018 , 15, 3625-3633	101

1086	Plants send small RNAs in extracellular vesicles to fungal pathogen to silence virulence genes. 2018 , 360, 1126-1129	413
1085	Extracellular vesicles: lipids as key components of their biogenesis and functions. 2018 , 59, 1316-1324	127
1084	Tumor-derived exosomes promote tumor self-seeding in hepatocellular carcinoma by transferring miRNA-25-5p to enhance cell motility. 2018 , 37, 4964-4978	32
1083	Existing and novel biomarkers for precision medicine in systemic sclerosis. 2018 , 14, 421-432	36
1082	Delivering miRNA modulators for cancer treatment. 2018 , 517-565	3
1081	Fetoplacental endothelial exosomes modulate high d-glucose-induced endothelial dysfunction. 2018 , 66, 26-35	26
1080	Pseudomonas aeruginosa-derived exosomes ameliorates allergic reactions via inducing the T response in asthma. 2018 , 84, 125-133	8
1079	Children's screen time alters the expression of saliva extracellular miR-222 and miR-146a. 2018 , 8, 8209	5
1078	Preliminary investigation of extracellular vesicles in mammary cancer of dogs and cats: Identification and characterization. 2018 , 16, 489-496	8
1077	Identification of biomarkers associated with partial epithelial to mesenchymal transition in the secretome of slug over-expressing hepatocellular carcinoma cells. 2018 , 41, 439-453	33
1076	Exosome isolation from distinct biofluids using precipitation and column-based approaches. 2018 , 13, e0198820	151
1075	Exosomal transfer of mitochondria from airway myeloid-derived regulatory cells to T cells. 2018 , 18, 54-64	84
1074	Modification of Extracellular Vesicles by Fusion with Liposomes for the Design of Personalized Biogenic Drug Delivery Systems. 2018 , 12, 6830-6842	147
1073	Ultrafiltration and size exclusion chromatography combined with asymmetrical-flow field-flow fractionation for the isolation and characterisation of extracellular vesicles from urine. 2018 , 7, 1490143	69
1072	Leukocytes as a reservoir of circulating oncogenic DNA and regulatory targets of tumor-derived extracellular vesicles. 2018 , 16, 1800-1813	32
1071	Cell-free therapy based on adipose tissue stem cell-derived exosomes promotes wound healing via the PI3K/Akt signaling pathway. 2018 , 370, 333-342	123
1070	Human Umbilical Cord MSC-Derived Exosomes Suppress the Development of CCl-Induced Liver Injury through Antioxidant Effect. 2018 , 2018, 6079642	66
1069	Arthropod EVs mediate dengue virus transmission through interaction with a tetraspanin domain containing glycoprotein Tsp29Fb. 2018 , 115, E6604-E6613	36

1068	Optimizing exosomal RNA isolation for RNA-Seq analyses of archival sera specimens. 2018 , 13, e0196913	22
1067	Isolation of Extracellular Vesicles: General Methodologies and Latest Trends. 2018 , 2018, 8545347	476
1066	Transplantation of Amniotic Fluid-Derived Neural Stem Cells. 2018 , 39-51	1
1065	Extracellular vesicles from endothelial progenitor cells promote thyroid follicle formation. 2018 , 7, 1487250	10
1064	Doxorubicin Expands in Vivo Secretion of Circulating Exosome in Mice. 2018 , 41, 1078-1083	8
1063	Molecular Detection and Analysis of Exosomes Using Surface-Enhanced Raman Scattering Gold Nanorods and a Miniaturized Device. 2018 , 8, 2722-2738	116
1062	Stroma-derived IL-6, G-CSF and Activin-A mediated dedifferentiation of lung carcinoma cells into cancer stem cells. 2018 , 8, 11573	15
1061	Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Promote Neuroprotection in Rodent Models of Glaucoma. 2018 , 59, 702-714	54
1060	Molecular profile of urine extracellular vesicles from normo-functional kidneys reveal minimal differences between living and deceased donors. 2018 , 19, 189	11
1059	Exploration of serum- and cell culture-derived exosomes from dogs. 2018 , 14, 179	15
1058	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. 2018 , 19, 104	28
1057	Pathological Proteins Are Transported by Extracellular Vesicles of Sporadic Amyotrophic Lateral Sclerosis Patients. 2018 , 12, 487	60
1056	Heterogeneity of microvesicles from cancer cell lines under inflammatory stimulation with TNF- α . 2018 , 42, 1533-1544	9
1055	Extracellular Guanosine 5'-Triphosphate Induces Human Muscle Satellite Cells to Release Exosomes Stuffed With Guanosine. 2018 , 9, 152	12
1054	Stem Cell-Derived Exosome in Cardiovascular Diseases: Macro Roles of Micro Particles. 2018 , 9, 547	52
1053	Vesicle-Mediated Control of Cell Function: The Role of Extracellular Matrix and Microenvironment. 2018 , 9, 651	49
1052	Integrated Analysis of Long Non-Coding RNA and mRNA Expression Profile in Pancreatic Cancer Derived Exosomes Treated Dendritic Cells by Microarray Analysis. 2018 , 9, 21-31	31
1051	Coronary Serum Exosomes Derived from Patients with Myocardial Ischemia Regulate Angiogenesis through the miR-939-mediated Nitric Oxide Signaling Pathway. 2018 , 8, 2079-2093	69

1050	The role of PTRF/Cavin1 as a biomarker in both glioma and serum exosomes. 2018 , 8, 1540-1557	68
1049	Extracellular vesicles transfer nuclear Abl-dependent and radiation-induced miR-34c into unirradiated cells to cause bystander effects. 2018 , 29, 2228-2242	14
1048	Salivary Exosomes: Emerging Roles in Systemic Disease. 2018 , 14, 633-643	89
1047	Increased Extracellular Vesicles Mediate WNT5A Signaling in Idiopathic Pulmonary Fibrosis. 2018 , 198, 1527-1538	76
1046	Exosomal DMBT1 from human urine-derived stem cells facilitates diabetic wound repair by promoting angiogenesis. 2018 , 8, 1607-1623	161
1045	Essential role of ATP6AP2 enrichment in caveolae/lipid raft microdomains for the induction of neuronal differentiation of stem cells. 2018 , 9, 132	10
1044	Exosome Theranostics: Biology and Translational Medicine. 2018 , 8, 237-255	371
1043	"Exosomics"-A Review of Biophysics, Biology and Biochemistry of Exosomes With a Focus on Human Breast Milk. 2018 , 9, 92	97
1042	Roles of Macrophage Exosomes in Immune Response to Calcium Oxalate Monohydrate Crystals. 2018 , 9, 316	50
1041	Macrophage-Derived Extracellular Vesicles Induce Long-Lasting Immunity Against Hepatitis C Virus Which Is Blunted by Polyunsaturated Fatty Acids. 2018 , 9, 723	40
1040	Extracellular Vesicle Heterogeneity: Subpopulations, Isolation Techniques, and Diverse Functions in Cancer Progression. 2018 , 9, 738	343
1039	Systematic Methodological Evaluation of a Multiplex Bead-Based Flow Cytometry Assay for Detection of Extracellular Vesicle Surface Signatures. 2018 , 9, 1326	104
1038	Hodgkin Lymphoma-Derived Extracellular Vesicles Change the Secretome of Fibroblasts Toward a CAF Phenotype. 2018 , 9, 1358	43
1037	LPS-Challenged Macrophages Release Microvesicles Coated With Histones. 2018 , 9, 1463	28
1036	The Aerobic and Cognitive Exercise Study (ACES) for Community-Dwelling Older Adults With or At-Risk for Mild Cognitive Impairment (MCI): Neuropsychological, Neurobiological and Neuroimaging Outcomes of a Randomized Clinical Trial. 2018 , 10, 76	71
1035	Early gestational mesenchymal stem cell secretome attenuates experimental bronchopulmonary dysplasia in part via exosome-associated factor TSG-6. 2018 , 9, 173	87
1034	Extracellular Vesicles and the Application of System Biology and Computational Modeling in Cardiac Repair. 2018 , 123, 188-204	37
1033	Snail-overexpressing Cancer Cells Promote M2-Like Polarization of Tumor-Associated Macrophages by Delivering MiR-21-Abundant Exosomes. 2018 , 20, 775-788	86

1032	Delivery of MGMT mRNA to glioma cells by reactive astrocyte-derived exosomes confers a temozolomide resistance phenotype. 2018 , 433, 210-220	48
1031	Priming of dendritic cells by DNA-containing extracellular vesicles from activated T cells through antigen-driven contacts. 2018 , 9, 2658	134
1030	Unique Lipid Signatures of Extracellular Vesicles from the Airways of Asthmatics. 2018 , 8, 10340	64
1029	Long-range function of secreted small nucleolar RNAs that direct 2'-methylation. 2018 , 293, 13284-13296	29
1028	Detection of Aggregation-Competent Tau in Neuron-Derived Extracellular Vesicles. 2018 , 19,	86
1027	Rapid Detection and Trapping of Extracellular Vesicles by Electrokinetic Concentration for Liquid Biopsy on Chip. 2018 , 9,	20
1026	Exosome-Mediated Transfer of Cancer Cell Resistance to Antiestrogen Drugs. 2018 , 23,	37
1025	Recent Progress in Isolation and Detection of Extracellular Vesicles for Cancer Diagnostics. 2018 , 7, e1800484	75
1024	Transcriptome reprogramming by cancer exosomes: identification of novel molecular targets in matrix and immune modulation. 2018 , 17, 97	44
1023	Noncoding RNAs Carried by Extracellular Vesicles in Endocrine Diseases. 2018 , 2018, 4302096	11
1022	A Non-invasive Liquid Biopsy Screening of Urine-Derived Exosomes for miRNAs as Biomarkers in Endometrial Cancer Patients. 2018 , 20, 82	52
1021	Therapeutic Effect of Camel Milk and Its Exosomes on MCF7 Cells In Vitro and In Vivo. 2018 , 17, 1235-1246	53
1020	Development of a Highly Sensitive Device for Counting the Number of Disease-Specific Exosomes in Human Sera. 2018 , 64, 1463-1473	35
1019	Comparison of the extraction and determination of serum exosome and miRNA in serum and the detection of miR-27a-3p in serum exosome of ALS patients. 2018 , 7, 13-18	32
1018	Mesenchymal Stromal/stem Cell-derived Extracellular Vesicles Promote Human Cartilage Regeneration. 2018 , 8, 906-920	162
1017	Targeting and Therapy of Glioblastoma in a Mouse Model Using Exosomes Derived From Natural Killer Cells. 2018 , 9, 824	44
1016	Mesenchymal stem cells-derived exosomes are more immunosuppressive than microparticles in inflammatory arthritis. 2018 , 8, 1399-1410	221
1015	Identification of the alpha-enolase P46 in the extracellular membrane vesicles of <i>Bacteroides fragilis</i> . 2018 , 113, 178-184	

1014	Role of exosome-associated microRNA in diagnostic and therapeutic applications to metabolic disorders. 2018 , 19, 183-198	31
1013	Mechanism of recipient cell-dependent differences in exosome uptake. 2018 , 18, 47	124
1012	Cancer-derived exosomes from HER2-positive cancer cells carry trastuzumab-emtansine into cancer cells leading to growth inhibition and caspase activation. 2018 , 18, 504	34
1011	Comparison of membrane affinity-based method with size-exclusion chromatography for isolation of exosome-like vesicles from human plasma. 2018 , 16, 1	208
1010	Mesenchymal stromal cell-derived exosome-rich fractionated secretome confers a hepatoprotective effect in liver injury. 2018 , 9, 31	69
1009	Microfluidic engineering of exosomes: editing cellular messages for precision therapeutics. 2018 , 18, 1690-1703	55
1008	Investigation of procoagulant activity in extracellular vesicles isolated by differential ultracentrifugation. 2018 , 7, 1454777	28
1007	Lung adenocarcinoma cell-derived exosomal miR-21 facilitates osteoclastogenesis. 2018 , 666, 116-122	48
1006	Non-invasive Imaging of Radio-Labeled Exosome-Mimetics Derived From Red Blood Cells in Mice. 2018 , 9, 817	44
1005	Small RNAs detected in exosomes derived from the MH7A synovial fibroblast cell line with TNF- β stimulation. 2018 , 13, e0201851	18
1004	Brain tumor-initiating cells export tenascin-C associated with exosomes to suppress T cell activity. 2018 , 7, e1478647	46
1003	Advances of exosome in the development of ovarian cancer and its diagnostic and therapeutic prospect. 2018 , 11, 2831-2841	20
1002	Reciprocal control of excitatory synapse numbers by Wnt and Wnt inhibitor PRR7 secreted on exosomes. 2018 , 9, 3434	26
1001	StAR-related lipid transfer domain 11 (STARD11)-mediated ceramide transport mediates extracellular vesicle biogenesis. 2018 , 293, 15277-15289	15
1000	Deciphering the oviductal extracellular vesicles content across the estrous cycle: implications for the gametes-oviduct interactions and the environment of the potential embryo. 2018 , 19, 622	69
999	Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. 2018 , 9, 1169	81
998	Bioinspired and biomimetic systems for advanced drug and gene delivery. 2018 , 287, 142-155	52
997	Microfluidics-based on-a-chip systems for isolating and analysing extracellular vesicles. 2018 , 7, 1508271	82

996	The Biological Mechanisms of Action of Cardiac Progenitor Cell Therapy. 2018 , 20, 84	11
995	Please stand by: how oncolytic viruses impact bystander cells. 2018 , 13, 671-680	2
994	Exosomal PD-L1 contributes to immunosuppression and is associated with anti-PD-1 response. 2018 , 560, 382-386	1058
993	Detecting miRNA biomarkers from extracellular vesicles for cardiovascular disease with a microfluidic system. 2018 , 18, 2917-2925	31
992	Inhibition of the RhoGTPase Cdc42 by ML141 enhances hepatocyte differentiation from human adipose-derived mesenchymal stem cells via the Wnt5a/PI3K/miR-122 pathway: impact of the age of the donor. 2018 , 9, 167	17
991	14-3-3 Proteins Reduce Cell-to-Cell Transfer and Propagation of Pathogenic β Synuclein. 2018 , 38, 8211-8232	29
990	Exosomal ephrinA2 derived from serum as a potential biomarker for prostate cancer. 2018 , 9, 2659-2665	21
989	Snake Venom Extracellular vesicles (SVEVs) reveal wide molecular and functional proteome diversity. 2018 , 8, 12067	14
988	A Comparison of Traditional and Novel Methods for the Separation of Exosomes from Human Samples. 2018 , 2018, 3634563	88
987	Liquid Biopsy of Vitreous Reveals an Abundant Vesicle Population Consistent With the Size and Morphology of Exosomes. 2018 , 7, 6	36
986	Malignant canine mammary epithelial cells shed exosomes containing differentially expressed microRNA that regulate oncogenic networks. 2018 , 18, 832	20
985	Murine embryos exposed to human endometrial MSCs-derived extracellular vesicles exhibit higher VEGF/PDGF AA release, increased blastomere count and hatching rates. 2018 , 13, e0196080	25
984	Tet1 and Tet2 maintain mesenchymal stem cell homeostasis via demethylation of the P2rx7 promoter. 2018 , 9, 2143	60
983	Plasma Exosomes Contribute to Microvascular Damage in Diabetic Retinopathy by Activating the Classical Complement Pathway. 2018 , 67, 1639-1649	53
982	PTRF acts as an adipokine contributing to adipocyte dysfunctionality and ectopic lipid deposition. 2018 , 74, 613-622	9
981	Alzheimer's disease pathology propagation by exosomes containing toxic amyloid-beta oligomers. 2018 , 136, 41-56	216
980	Exosomes Shuttle TREX1-Sensitive IFN-Stimulatory dsDNA from Irradiated Cancer Cells to DCs. 2018 , 6, 910-920	145
979	Cancer cells copy migratory behavior and exchange signaling networks via extracellular vesicles. 2018 , 37,	38

978	miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. 2018 , 26, 1694-1705	18
977	Exosomes serve as novel modes of tick-borne flavivirus transmission from arthropod to human cells and facilitates dissemination of viral RNA and proteins to the vertebrate neuronal cells. 2018 , 14, e1006764	80
976	Roles of Extracellular Vesicles in Metastatic Breast Cancer. 2018 , 12, 1178223418767666	15
975	Composition, Physicochemical and Biological Properties of Exosomes Secreted From Cancer Cells. 2018 , 27-57	4
974	Placental exosome-mediated Bta-miR-499-Lin28B/let-7 axis regulates inflammatory bias during early pregnancy. 2018 , 9, 704	31
973	Soluble E-cadherin promotes tumor angiogenesis and localizes to exosome surface. 2018 , 9, 2270	108
972	Mesenchymal stem cell-derived exosomes have altered microRNA profiles and induce osteogenic differentiation depending on the stage of differentiation. 2018 , 13, e0193059	78
971	Effective Refractive Index and Lipid Content of Extracellular Vesicles Revealed Using Optical Waveguide Scattering and Fluorescence Microscopy. 2018 , 34, 8522-8531	13
970	The role of exosomes in allograft immunity. 2018 , 331, 85-92	12
969	Tissue-associated self-antigens containing exosomes: Role in allograft rejection. 2018 , 79, 653-658	20
968	Analysis of Extracellular Vesicles Using Coffee Ring. 2018 , 10, 22877-22882	14
967	Extracellular Vesicles in Oncology: Progress and Pitfalls in the Methods of Isolation and Analysis. 2019 , 14, e1700716	47
966	Exosomal lipid composition and the role of ether lipids and phosphoinositides in exosome biology. 2019 , 60, 9-18	231
965	Bioprocess decision support tool for scalable manufacture of extracellular vesicles. 2019 , 116, 307-319	11
964	Prostate cancer sheds the $\alpha 5 \beta 1$ integrin in vivo through exosomes. 2019 , 77, 41-57	48
963	Exosomes derived from miR-375-overexpressing human adipose mesenchymal stem cells promote bone regeneration. 2019 , 52, e12669	113
962	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. 2019 , 10, 929	44
961	Macrophages Educated with Exosomes from Primed Mesenchymal Stem Cells Treat Acute Radiation Syndrome by Promoting Hematopoietic Recovery. 2019 , 25, 2124-2133	26

960	The Kinetics of Small Extracellular Vesicle Delivery Impacts Skin Tissue Regeneration. 2019 , 13, 8694-8707	54
959	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. 2019 , 10, 1634	28
958	Exosomal PD-L1 promotes tumor growth through immune escape in non-small cell lung cancer. 2019 , 51, 1-13	97
957	Extracellular vesicles isolated from porcine seminal plasma exhibit different tetraspanin expression profiles. 2019 , 9, 11584	31
956	Intranasally Administered Exosomes from Umbilical Cord Stem Cells Have Preventive Neuroprotective Effects and Contribute to Functional Recovery after Perinatal Brain Injury. 2019 , 8,	40
955	Exosomes as Carriers for Antitumor Therapy. 2019 , 5, 4870-4881	16
954	Cell-derived extracellular vesicles can be used as a biomarker reservoir for glioblastoma tumor subtyping. 2019 , 2, 315	42
953	Secretomics to Discover Regulators in Diseases. 2019 , 20,	19
952	Therapeutic effects of human umbilical cord mesenchymal stem cell-derived microvesicles on premature ovarian insufficiency in mice. 2019 , 10, 250	33
951	The glycoproteins EDIL3 and MFGE8 regulate vesicle-mediated eggshell calcification in a new model for avian biomineralization. 2019 , 294, 14526-14545	13
950	A review on protein markers of exosome from different bio-resources and the antibodies used for characterization. 2019 , 42, 226-239	17
949	Neurons-derived extracellular vesicles promote neural differentiation of ADSCs: a model to prevent peripheral nerve degeneration. 2019 , 9, 11213	14
948	Recent advances and challenges in the recovery and purification of cellular exosomes. 2019 , 40, 3036-3049	43
947	Extracellular Vesicles in Type 1 Diabetes: Messengers and Regulators. 2019 , 19, 69	7
946	Proteomic Analysis of Plasma-Derived Extracellular Vesicles in Smokers and Patients with Chronic Obstructive Pulmonary Disease. 2019 , 4, 10649-10661	11
945	Neuroprotection mediated by cystatin C-loaded extracellular vesicles. 2019 , 9, 11104	12
944	A pleiotropic role for exosomes loaded with the amyloid precursor protein carboxyl-terminal fragments in the brain of Down syndrome patients. 2019 , 84, 26-32	7
943	Natural melanoma-derived extracellular vesicles. 2019 , 59, 251-265	20

942	Rapid Lipid-Based Approach for Normalization of Quantum-Dot-Detected Biomarker Expression on Extracellular Vesicles in Complex Biological Samples. 2019 , 19, 7623-7631	23
941	Latest advances in extracellular vesicles: from bench to bedside. 2019 , 20, 746-757	56
940	Discriminant analysis followed by unsupervised cluster analysis including exosomal cystatins predict presence of chronic rhinosinusitis, phenotype, and disease severity. 2019 , 9, 1069-1076	6
939	Biological Function of Exosomes as Diagnostic Markers and Therapeutic Delivery Vehicles in Carcinogenesis and Infectious Diseases. 2019 ,	13
938	Urinary extracellular vesicles as a source of biomarkers reflecting renal cellular biology in human disease. 2019 , 154, 43-65	5
937	Acetylcholinesterase is not a generic marker of extracellular vesicles. 2019 , 8, 1628592	21
936	Personalized medicine: From diagnostic to adaptive.. 2022 , 45, 132-142	2
935	Rapid Isolation and Multiplexed Detection of Exosome Tumor Markers Via Queued Beads Combined with Quantum Dots in a Microarray. 2019 , 11, 59	29
934	New insight into isolation, identification techniques and medical applications of exosomes. 2019 , 308, 119-129	74
933	Myeloma-derived extracellular vesicles mediate HGF/c-Met signaling in osteoblast-like cells. 2019 , 383, 111490	7
932	The exosome-like vesicles from osteoarthritic chondrocyte enhanced mature IL-1 β production of macrophages and aggravated synovitis in osteoarthritis. 2019 , 10, 522	51
931	Tumor-derived extracellular vesicles: reliable tools for Cancer diagnosis and clinical applications. 2019 , 17, 73	87
930	Isolation and Analysis of Plasma-Derived Exosomes in Patients With Glioma. 2019 , 9, 651	38
929	Tumor-derived exosomes promote the in vitro osteotropism of melanoma cells by activating the SDF-1/CXCR4/CXCR7 axis. 2019 , 17, 230	29
928	Electrical and Label-Free Quantification of Exosomes with a Reduced Graphene Oxide Field Effect Transistor Biosensor. 2019 , 91, 10679-10686	54
927	Recent advances in microfluidic methods in cancer liquid biopsy. 2019 , 13, 041503	26
926	Evaluation of circulating small extracellular vesicles derived miRNAs as biomarkers of early colon cancer: a comparison with plasma total miRNAs. 2019 , 8, 1643670	91
925	The generation and use of recombinant extracellular vesicles as biological reference material. 2019 , 10, 3288	54

924	Exosomes regulate neurogenesis and circuit assembly. 2019 , 116, 16086-16094	93
923	Extracellular vesicles derived from ODN-stimulated macrophages transfer and activate Cdc42 in recipient cells and thereby increase cellular permissiveness to EV uptake. 2019 , 5, eaav1564	18
922	Leptin Modulates Exosome Biogenesis in Breast Cancer Cells: An Additional Mechanism in Cell-to-Cell Communication. 2019 , 8,	26
921	Exosomal Micro RNAs Derived from Dermal Papilla Cells Mediate Hair Follicle Stem Cell Proliferation and Differentiation. 2019 , 15, 1368-1382	32
920	The biological functions and clinical applications of exosomes in lung cancer. 2019 , 76, 4613-4633	58
919	p75 and neural cell adhesion molecule 1 can identify pathologic Schwann cells in peripheral neuropathies. 2019 , 6, 1292-1301	11
918	Tumor-Derived Exosomes Mediate the Instability of Cadherins and Promote Tumor Progression. 2019 , 20,	19
917	Exosomes of stem cells from human exfoliated deciduous teeth as an anti-inflammatory agent in temporomandibular joint chondrocytes via miR-100-5p/mTOR. 2019 , 10, 216	40
916	Temporal Parameters of p53-GFP Protein Transfer via Exosomes in Cocultured HEK293 and GFP-HEK293 Cells. 2019 , 13, 188-197	1
915	The Effect of Triptolide-Loaded Exosomes on the Proliferation and Apoptosis of Human Ovarian Cancer SKOV3 Cells. 2019 , 2019, 2595801	26
914	Oral extracellular vesicles in early pregnancy can identify patients at risk of developing gestational diabetes mellitus. 2019 , 14, e0218616	15
913	Advances in exosome isolation methods and their applications in proteomic analysis of biological samples. 2019 , 411, 5351-5361	27
912	Tethering of vesicles to the Golgi by GMAP210 controls LAT delivery to the immune synapse. 2019 , 10, 2864	14
911	Teratocytes Release Enolase and Fatty Acid Binding Protein Through Exosomal Vesicles. 2019 , 10, 715	6
910	Preclinical Evidence of STAT3 Inhibitor Pacritinib Overcoming Temozolomide Resistance via Downregulating miR-21-Enriched Exosomes from M2 Glioblastoma-Associated Macrophages. 2019 , 8,	36
909	Long noncoding RNA PCAT1, a novel serum-based biomarker, enhances cell growth by sponging miR-326 in oesophageal squamous cell carcinoma. 2019 , 10, 513	41
908	TLR4 participates in the transmission of ethanol-induced neuroinflammation via astrocyte-derived extracellular vesicles. 2019 , 16, 136	44
907	Isolation and Analysis of Tumor-Derived Exosomes. 2019 , 127, e91	27

906	Exosomal miRNA-1231 derived from bone marrow mesenchymal stem cells inhibits the activity of pancreatic cancer. 2019 , 8, 7728-7740	40
905	Cocktail Strategy Based on NK Cell-Derived Exosomes and Their Biomimetic Nanoparticles for Dual Tumor Therapy. 2019 , 11,	39
904	Exosomal miR-1228 From Cancer-Associated Fibroblasts Promotes Cell Migration and Invasion of Osteosarcoma by Directly Targeting SCAI. 2019 , 27, 979-986	51
903	c-Myc shuttled by tumour-derived extracellular vesicles promotes lung bronchial cell proliferation through miR-19b and miR-92a. 2019 , 10, 759	20
902	Extracellular MicroRNA-92a Mediates Endothelial Cell-Macrophage Communication. 2019 , 39, 2492-2504	33
901	Combinatorial treatment of acute myocardial infarction using stem cells and their derived exosomes resulted in improved heart performance. 2019 , 10, 300	60
900	Carvedilol Ameliorates Experimental Atherosclerosis by Regulating Cholesterol Efflux and Exosome Functions. 2019 , 20,	12
899	Label-Free Exosomal Detection and Classification in Rapid Discriminating Different Cancer Types Based on Specific Raman Phenotypes and Multivariate Statistical Analysis. 2019 , 24,	12
898	UNC93B1 recruits syntenin-1 to dampen TLR7 signalling and prevent autoimmunity. 2019 , 575, 366-370	42
897	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. 2019 , 8, 1684862	97
896	Exosomes and pancreatic diseases: status, challenges, and hopes. 2019 , 15, 1846-1860	16
895	Loss of Circulating Exosomal miR-92b is a Novel Biomarker of Colorectal Cancer at Early Stage. 2019 , 16, 1231-1237	19
894	Extracellular vesicles expressing a single-chain variable fragment of an HIV-1 specific antibody selectively target Env tissues. 2019 , 9, 5657-5671	18
893	Mesenchymal stem cell-derived exosomes as a nanotherapeutic agent for amelioration of inflammation-induced astrocyte alterations in mice. 2019 , 9, 5956-5975	83
892	Cytochalasin-B-Inducible Nanovesicle Mimics of Natural Extracellular Vesicles That Are Capable of Nucleic Acid Transfer. 2019 , 10,	8
891	Development of size-selective microfluidic platform. 2019 , 2019, 5661-5664	1
890	Extracellular Vesicles Fractionated in Drying Droplet. 2019 ,	
889	Exosomes in Coronary Artery Disease. 2019 , 15, 2461-2470	18

888	Use of circulating nucleic acids, metabolites, and proteins as clinical biomarkers for earlier prognosis and diagnosis of disease. 2019 , 85-116	1
887	Exosomes derived from human CD34 stem cells transfected with miR-26a prevent glucocorticoid-induced osteonecrosis of the femoral head by promoting angiogenesis and osteogenesis. 2019 , 10, 321	24
886	Considerations and Implications in the Purification of Extracellular Vesicles - A Cautionary Tale. 2019 , 13, 1067	21
885	Microfluidic device for on-chip isolation and detection of circulating exosomes in blood of breast cancer patients. 2019 , 13, 054113	18
884	Reflecting Size Differences of Exosomes by Using the Combination of Membrane-Targeting Viscosity Probe and Fluorescence Lifetime Imaging Microscopy. 2019 , 91, 15308-15316	25
883	Endosomal escape enhancing compounds facilitate functional delivery of extracellular vesicle cargo. 2019 , 14, 2799-2814	24
882	Unconventional secretion of β Crystallin B requires the Autophagic pathway and is controlled by phosphorylation of its serine 59 residue. 2019 , 9, 16892	11
881	Non-reversible tissue fixation retains extracellular vesicles for in situ imaging. 2019 , 16, 1269-1273	13
880	Plant sphingolipids promote extracellular vesicle release and alleviate amyloid- β pathologies in a mouse model of Alzheimer's disease. 2019 , 9, 16827	11
879	Extracellular vesicles nanoarray technology: Immobilization of individual extracellular vesicles on nanopatterned polyethylene glycol-lipid conjugate brushes. 2019 , 14, e0224091	9
878	Exosomes from β cells alleviated hyperglycemia and enhanced angiogenesis in islets of streptozotocin-induced diabetic mice. 2019 , 12, 2053-2064	14
877	Potential Therapeutic Applications of Exosomes in Bone Regenerative Medicine. 2019 ,	0
876	Exosome-Guided Phenotypic Switch of M1 to M2 Macrophages for Cutaneous Wound Healing. 2019 , 6, 1900513	105
875	Application of high-performance magnetic nanobeads to biological sensing devices. 2019 , 411, 1825-1837	25
874	Intranasal Delivery of Mesenchymal Stem Cell Derived Exosomes Loaded with Phosphatase and Tensin Homolog siRNA Repairs Complete Spinal Cord Injury. 2019 , 13, 10015-10028	119
873	Metastatic-niche labelling reveals parenchymal cells with stem features. 2019 , 572, 603-608	51
872	An integrated microfluidic system for on-chip enrichment and quantification of circulating extracellular vesicles from whole blood. 2019 , 19, 3305-3315	32
871	Adipose Mesenchymal Extracellular Vesicles as Alpha-1-Antitrypsin Physiological Delivery Systems for Lung Regeneration. 2019 , 8,	36

870	Size distribution of serum extracellular vesicles in mice with atherosclerosis. 2019 , 215, 152574	
869	Improved methods for fluorescent labeling and detection of single extracellular vesicles using nanoparticle tracking analysis. 2019 , 9, 12295	34
868	CLIC4 regulates late endosomal trafficking and matrix degradation activity of MMP14 at focal adhesions in RPE cells. 2019 , 9, 12247	9
867	The Role of Exosomes in Bone Remodeling: Implications for Bone Physiology and Disease. 2019 , 2019, 9417914	18
866	T-cell-derived extracellular vesicles regulate B-cell IgG production pyruvate kinase muscle isozyme 2. 2019 , 33, 12780-12799	6
865	Proteomic profiling of extracellular vesicles allows for human breast cancer subtyping. 2019 , 2, 325	64
864	Size-based analysis of extracellular vesicles using sequential transfer of an evaporating droplet. 2019 , 19, 3326-3336	8
863	Tumor-Derived Extracellular Vesicles Breach the Intact Blood-Brain Barrier Transcytosis. 2019 , 13, 13853-13865	67
862	Epstein-Barr virus ncRNA from a nasopharyngeal carcinoma induces an inflammatory response that promotes virus production. 2019 , 4, 2475-2486	19
861	Sensing of circulating cancer biomarkers with metal nanoparticles. 2019 , 11, 22152-22171	41
860	Keratinocyte exosomes activate neutrophils and enhance skin inflammation in psoriasis. 2019 , 33, 13241-13253	30
859	Hydrogel-Mediated Sustained Systemic Delivery of Mesenchymal Stem Cell-Derived Extracellular Vesicles Improves Hepatic Regeneration in Chronic Liver Failure. 2019 , 11, 37421-37433	65
858	Exosomes Derived from miR-143-Overexpressing MSCs Inhibit Cell Migration and Invasion in Human Prostate Cancer by Downregulating TFF3. 2019 , 18, 232-244	70
857	Intracerebral Injection of Extracellular Vesicles from Mesenchymal Stem Cells Exerts Reduced A β Plaque Burden in Early Stages of a Preclinical Model of Alzheimer's Disease. 2019 , 8,	38
856	Tumor-derived exosomes educate fibroblasts to promote salivary adenoid cystic carcinoma metastasis via NGF-NTRK1 pathway. 2019 , 18, 4082-4091	6
855	Viscosity of Plasma as a Key Factor in Assessment of Extracellular Vesicles by Light Scattering. 2019 , 8,	9
854	PAHs increase the production of extracellular vesicles both <i>in vitro</i> in endothelial cells and <i>in vivo</i> in urines from rats. 2019 , 255, 113171	6
853	IFN β -Stimulated Dendritic Cell Exosomes for Treatment of Migraine Modeled Using Spreading Depression. 2019 , 13, 942	5

852	CAR exosomes derived from effector CAR-T cells have potent antitumour effects and low toxicity. 2019, 10, 4355	127
851	Systematic characterization of extracellular vesicle sorting domains and quantification at the single molecule - single vesicle level by fluorescence correlation spectroscopy and single particle imaging. 2019, 8, 1663043	51
850	Discrimination of urinary exosomes from microvesicles by lipidomics using thin layer liquid chromatography (TLC) coupled with MALDI-TOF mass spectrometry. 2019, 9, 13834	22
849	Chemically Functionalised Graphene FET Biosensor for the Label-free Sensing of Exosomes. 2019, 9, 13946	71
848	Copper-64 Labeled PEGylated Exosomes for In Vivo Positron Emission Tomography and Enhanced Tumor Retention. 2019, 30, 2675-2683	32
847	An Update on Isolation Methods for Proteomic Studies of Extracellular Vesicles in Biofluids. 2019, 24,	35
846	Myeloid-Derived Suppressive Cells Promote B cell-Mediated Immunosuppression via Transfer of PD-L1 in Glioblastoma. 2019, 7, 1928-1943	44
845	ALPPL2 Is a Potential Diagnostic Biomarker for Pancreatic Cancer-Derived Extracellular Vesicles. 2019, 15, 204-210	8
844	Exosomal miRNAs in central nervous system diseases: biomarkers, pathological mediators, protective factors and therapeutic agents. 2019, 183, 101694	71
843	Linkage between endosomal escape of LNP-mRNA and loading into EVs for transport to other cells. 2019, 10, 4333	92
842	Raman tweezers microspectroscopy of circa 100 nm extracellular vesicles. 2019, 11, 1661-1679	38
841	Role of Extracellular Vesicles (EVs) in Cell Stress Response and Resistance to Cancer Therapy. 2019, 11,	53
840	Progress in the application of exosomes as therapeutic vectors in tumor-targeted therapy. 2019, 21, 509-524	15
839	Transcriptome of Extracellular Vesicles: State-of-the-Art. 2019, 10, 202	143
838	Extracellular-Vesicle Isolation from Different Biological Fluids by Size-Exclusion Chromatography. 2019, 49, e82	30
837	Leukemia-derived exosomes and cytokines pave the way for entry into the brain. 2019, 105, 741-753	19
836	Exosomal miRNAs from highly metastatic cells can induce metastasis in non-metastatic cells. 2019, 220, 162-168	12
835	Intranasal Administration of Extracellular Vesicles Derived from Human Teeth Stem Cells Improves Motor Symptoms and Normalizes Tyrosine Hydroxylase Expression in the Substantia Nigra and Striatum of the 6-Hydroxydopamine-Treated Rats. 2019, 8, 490-499	54

834	Extracellular vesicles in bone: "dogrobbers" in the "eternal battle field". 2019 , 17, 6	20
833	Ultrasensitive Immunoprofiling of Plasma Extracellular Vesicles Identifies Syndecan-1 as a Potential Tool for Minimally Invasive Diagnosis of Glioma. 2019 , 25, 3115-3127	49
832	Role of Saliva and Salivary Diagnostics in the Advancement of Oral Health. 2019 , 98, 133-141	66
831	The functional roles of exosomal long non-coding RNAs in cancer. 2019 , 76, 2059-2076	57
830	The functional synergism of microRNA clustering provides therapeutically relevant epigenetic interference in glioblastoma. 2019 , 10, 442	53
829	Stem cell exosomes inhibit angiogenesis and tumor growth of oral squamous cell carcinoma. 2019 , 9, 663	56
828	The exosomal compartment protects epidermal growth factor receptor from small molecule inhibitors. 2019 , 510, 42-47	5
827	Exosomes from hypoxia-treated human adipose-derived mesenchymal stem cells enhance angiogenesis through VEGF/VEGF-R. 2019 , 109, 59-68	115
826	TBC1D3 regulates the payload and biological activity of extracellular vesicles that mediate tissue repair. 2019 , 33, 6129-6139	8
825	Recent Progress on Liquid Biopsy Analysis using Surface-Enhanced Raman Spectroscopy. 2019 , 9, 491-525	63
824	Biosensors for Detection of Human Placental Pathologies: A Review of Emerging Technologies and Current Trends. 2019 , 213, 23-49	14
823	Identification and molecular characterization of exosome-like vesicles derived from the <i>Taenia asiatica</i> adult worm. 2019 , 198, 105036	14
822	Application of Microfluidic Chips in Separation and Analysis of Extracellular Vesicles in Liquid Biopsy for Cancer. 2019 , 10,	14
821	Exosomes-Associated DNA-New Marker in Pregnancy Complications?. 2019 , 20,	26
820	Efficient isolation, biophysical characterisation and molecular composition of extracellular vesicles secreted by primary and immortalised cells of reproductive origin. 2019 , 135, 121-137	15
819	EV-Associated miRNAs from Peritoneal Lavage are a Source of Biomarkers in Endometrial Cancer. 2019 , 11,	15
818	Microfluidic Technology for Clinical Applications of Exosomes. 2019 , 10,	34
817	Total internal reflection-based single-vesicle in situ quantitative and stoichiometric analysis of tumor-derived exosomal microRNAs for diagnosis and treatment monitoring. 2019 , 9, 4494-4507	37

816	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. 2019 , 8, 1621131	44
815	A novel urinary microRNA biomarker panel for detecting gastric cancer. 2019 , 54, 1061-1069	25
814	Small Extracellular Vesicles Are Key Regulators of Non-cell Autonomous Intercellular Communication in Senescence via the Interferon Protein IFITM3. 2019 , 27, 3956-3971.e6	101
813	MS-Based Proteomic Analysis of Serum and Plasma: Problem of High Abundant Components and Lights and Shadows of Albumin Removal. 2019 , 1073, 57-76	26
812	Exosomes Carry microRNAs into Neighboring Cells to Promote Diffusive Infection of Newcastle Disease Virus. 2019 , 11,	15
811	Exosomes from human-bone-marrow-derived mesenchymal stem cells protect against renal ischemia/reperfusion injury via transferring miR-199a-3p. 2019 , 234, 23736-23749	54
810	Extracellular vesicles from regenerative human cardiac cells act as potent immune modulators by priming monocytes. 2019 , 17, 72	11
809	A urinary extracellular vesicle microRNA biomarker discovery pipeline; from automated extracellular vesicle enrichment by acoustic trapping to microRNA sequencing. 2019 , 14, e0217507	9
808	Circulating exosomes deliver free fatty acids from the bloodstream to cardiac cells: Possible role of CD36. 2019 , 14, e0217546	20
807	Exosomes from tendon stem cells promote injury tendon healing through balancing synthesis and degradation of the tendon extracellular matrix. 2019 , 23, 5475-5485	47
806	Role of Neutrophil Extracellular Traps and Vesicles in Regulating Vascular Endothelial Permeability. 2019 , 10, 1037	36
805	Crucial Role of Extracellular Vesicles in Bronchial Asthma. 2019 , 20,	20
804	Gastric Cancer Extracellular Vesicles Tune the Migration and Invasion of Epithelial and Mesenchymal Cells in a Histotype-Dependent Manner. 2019 , 20,	6
803	TNF- β -induced exosomal miR-146a mediates mesenchymal stem cell-dependent suppression of urethral stricture. 2019 , 234, 23243-23255	16
802	Exosomal hsa-miR199a-3p Promotes Proliferation and Migration in Neuroblastoma. 2019 , 9, 459	21
801	Exosomal transfer of miR-501 confers doxorubicin resistance and tumorigenesis via targeting of BLID in gastric cancer. 2019 , 459, 122-134	60
800	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. 2019 , 27, 3062-3080.e11	62
799	Therapeutic angiogenesis using stem cell-derived extracellular vesicles: an emerging approach for treatment of ischemic diseases. 2019 , 10, 158	45

798	Taxol-Loaded MSC-Derived Exosomes Provide a Therapeutic Vehicle to Target Metastatic Breast Cancer and Other Carcinoma Cells. 2019 , 11,	92
797	The Incorporation of Extracellular Vesicles from Mesenchymal Stromal Cells Into CD34 Cells Increases Their Clonogenic Capacity and Bone Marrow Lodging Ability. 2019 , 37, 1357-1368	9
796	Extracellular vesicles from mesenchymal stem cells prevent contact hypersensitivity through the suppression of Tc1 and Th1 cells and expansion of regulatory T cells. 2019 , 74, 105663	20
795	The Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in Treatment of Neurodegenerative Diseases. 2019 , 56, 8157-8167	52
794	Emerging role of extracellular vesicles in the regulation of skeletal muscle adaptation. 2019 , 127, 645-653	8
793	Serum Deprivation of Mesenchymal Stem Cells Improves Exosome Activity and Alters Lipid and Protein Composition. 2019 , 16, 230-241	30
792	Cancer Cell Derived Small Extracellular Vesicles Contribute to Recipient Cell Metastasis Through Promoting HGF/c-Met Pathway. 2019 , 18, 1619-1629	22
791	Skeletal muscle-derived exosomes regulate endothelial cell functions via reactive oxygen species-activated nuclear factor- κ B signalling. 2019 , 104, 1262-1273	30
790	Lipids in Exosome Biology. 2020 , 259, 309-336	8
789	Atorvastatin enhances the therapeutic efficacy of mesenchymal stem cells-derived exosomes in acute myocardial infarction via up-regulating long non-coding RNA H19. 2020 , 116, 353-367	110
788	Mesenchymal stem cell-derived extracellular vesicles: a new impetus of promoting angiogenesis in tissue regeneration. 2019 , 21, 497-508	23
787	The role of extracellular vesicles in renal fibrosis. 2019 , 10, 367	13
786	Challenges in the Isolation and Proteomic Analysis of Cancer Exosomes-Implications for Translational Research. 2019 , 7,	15
785	Proliferation of human hepatocellular carcinoma cells from surgically resected specimens under conditionally reprogrammed culture. 2019 , 19, 4623-4630	7
784	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. 2019 , 131, 8811-8815	5
783	. 2019 , 333, 476962	5
782	Proteome Profiling of Exosomes Purified from a Small Amount of Human Serum: The Problem of Co-Purified Serum Components. 2019 , 7,	44
781	Advances in therapeutic applications of extracellular vesicles. 2019 , 11,	343

780	Advances in Technologies for Purification and Enrichment of Extracellular Vesicles. 2019 , 24, 477-488	15
779	Exosomes Expressing Thyrotropin Receptor Attenuate Autoantibody-Mediated Stimulation of Cyclic Adenosine Monophosphate Production. 2019 , 29, 1012-1017	9
778	CD4+Foxp3+T Regulatory Cells Promote Transplantation Tolerance by Modulating Effector CD4+ T Cells in a Neuropilin-1-Dependent Manner. 2019 , 10, 882	17
777	Exosomes: cell-created drug delivery systems. 2019 , 459, 1-6	53
776	Extracellular Vesicle Encapsulated MicroRNAs in Patients with Type 2 Diabetes Are Affected by Metformin Treatment. 2019 , 8,	26
775	Basics and applications of tumor-derived extracellular vesicles. 2019 , 26, 35	27
774	Mitochondrial-Derived Vesicles as Candidate Biomarkers in Parkinson's Disease: Rationale, Design and Methods of the EXosomes in PARKinson Disease (EXPAND) Study. 2019 , 20,	38
773	Clinical significance of circulating exosomal PD-L1 and soluble PD-L1 in extranodal NK/T-cell lymphoma, nasal-type. 2020 , 10, 4498-4512	5
772	[Construction of tissue engineered adipose by human adipose tissue derived extracellular vesicle combined with decellularized adipose tissues scaffold]. 2020 , 34, 226-233	1
771	It's not 'just a tube of blood': principles of protocol development, sample collection, staffing and budget considerations for blood-based biomarkers in immunotherapy studies. 2021 , 9,	0
770	[Serum LAPTM4B-35 protein as a novel diagnostic marker for hepatocellular carcinoma]. 2021 , 53, 710-715	
769	Exosome encapsulated ncRNAs in the development of HCC: potential circulatory biomarkers and clinical therapeutic targets. 2021 , 11, 3794-3812	1
768	Epidermal Growth Factor Receptor Mutations Carried in Extracellular Vesicle-Derived Cargo Mirror Disease Status in Metastatic Non-small Cell Lung Cancer. 2021 , 9, 724389	
767	Tubular epithelial cell-to-macrophage communication forms a negative feedback loop via extracellular vesicle transfer to promote renal inflammation and apoptosis in diabetic nephropathy.. 2022 , 12, 324-339	1
766	A method of separating extracellular vesicles from blood shows potential clinical translation, and reveals extracellular vesicle cargo gremlin-1 as a diagnostic biomarker. 2021 , 15, 101274	0
765	A guide to mass spectrometric analysis of extracellular vesicle proteins for biomarker discovery. 2021 , e21749	6
764	CD24 and IgM Stimulation of B Cells Triggers Transfer of Functional B Cell Receptor to B Cell Recipients Via Extracellular Vesicles. 2021 ,	0
763	Behind the scenes of extracellular vesicle therapy for skin injuries and disorders. 2021 ,	

762	Elucidating the Role of Extracellular Vesicles in Pancreatic Cancer. 2021 , 13,	4
761	Exosome-loaded hydrogels: a new cell-free therapeutic approach for skin regeneration. 2021 ,	5
760	Polyethylene Glycol-Mediated Fusion of Extracellular Vesicles with Cationic Liposomes for the Design of Hybrid Delivery Systems.. 2021 , 4, 8259-8266	3
759	Emerging on-chip electrokinetic based technologies for purification of circulating cancer biomarkers towards liquid biopsy: A review. 2021 , 43, 288	1
758	Changes in Exosomal miRNA Composition in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. 2021 , 22,	3
757	Novel Platform for Regulation of Extracellular Vesicles and Metabolites Secretion from Cells Using a Multi-Linkable Horizontal Co-Culture Plate. 2021 , 12,	1
756	Csi-let-7a-5p delivered by extracellular vesicles from a liver fluke activates M1-like macrophages and exacerbates biliary injuries. 2021 , 118,	1
755	Application of Stem Cell-Derived Extracellular Vesicles as an Innovative Theranostics in Microbial Diseases.. 2021 , 12, 785856	1
754	Extracellular vesicles as a source of prostate cancer biomarkers in liquid biopsies: a decade of research. 2021 ,	0
753	Application of Dynamic and Static Light Scattering for Size and Shape Characterization of Small Extracellular Nanoparticles in Plasma and Ascites of Ovarian Cancer Patients. 2021 , 22,	1
752	Single Extracellular Vesicle Analysis Performed by Imaging Flow Cytometry and Nanoparticle Tracking Analysis Evaluate the Accuracy of Urinary Extracellular Vesicle Preparation Techniques Differently. 2021 , 22,	2
751	Plasma extracellular vesicle microRNA profiling and the identification of a diagnostic signature for stage I lung adenocarcinoma. 2021 ,	4
750	Proteomic Characterization of Serum Small Extracellular Vesicles in Human Breast Cancer.	
749	Multiplexed Molecular Imaging Strategy Integrated with RNA Sequencing in the Assessment of the Therapeutic Effect of Wharton's Jelly Mesenchymal Stem Cell-Derived Extracellular Vesicles for Osteoporosis. 2021 , 16, 7813-7830	0
748	Mesenchymal Stem Cell-Derived Exosomes: The New Frontier for the Treatment of Intervertebral Disc Degeneration. 2021 , 11, 11222	0
747	A Lipidomic Approach to Identify Potential Biomarkers in Exosomes From Melanoma Cells With Different Metastatic Potential. 2021 , 12, 748895	1
746	Extracellular Vesicles in Osteosarcoma: Antagonists or Therapeutic Agents?. 2021 , 22,	1
745	Secretome Profiling of Atlantic Salmon Head Kidney Leukocytes Highlights the Role of Phagocytes in the Immune Response to Soluble β -Glucan.. 2021 , 12, 736964	1

744	Extracellular Vesicles Tropism: A Comparative Study between Passive Innate Tropism and the Active Engineered Targeting Capability of Lymphocyte-Derived EVs. 2021 , 11,	4
743	Human Retinal Progenitor Cells Derived Small Extracellular Vesicles Delay Retinal Degeneration: A Paradigm for Cell-free Therapy.. 2021 , 12, 748956	0
742	Multiplexed Liquid Biopsy and Tumor Imaging Using Surface-Enhanced Raman Scattering. 2021 , 11,	2
741	The Past, the Present, and the Future of the Size Exclusion Chromatography in Extracellular Vesicles Separation. 2021 , 13,	3
740	Exosomes produced by melanoma cells significantly influence the biological properties of normal and cancer-associated fibroblasts. 2021 , 1	5
739	A scalable coaxial bioprinting technology for mesenchymal stem cell microfiber fabrication and high extracellular vesicle yield. 2021 , 14,	1
738	Goat Milk Exosomes As Natural Nanoparticles for Detecting Inflammatory Processes By Optical Imaging. 2021 , e2105421	2
737	Human endogenous retrovirus type K promotes proliferation and confers sensitivity to anti-retroviral drugs in Merlin-negative schwannoma and meningioma. 2021 ,	2
736	Vesicular and extravesicular protein analyses from the airspaces of ozone-exposed mice revealed signatures associated with mucoinflammatory lung disease. 2021 , 11, 23203	1
735	Skeletal muscle releases extracellular vesicles with distinct protein and miRNA signatures that accumulate and function within the muscle microenvironment.	
734	Exosomal lnc-AFTR as a novel translation regulator of FAS ameliorates Staphylococcus aureus-induced mastitis. 2021 ,	4
733	Secretion of pro-angiogenic extracellular vesicles during hypoxia is dependent on the autophagy-related protein GABARAPL1. 2021 , 10, e12166	1
732	Extracellular vesicles derived from head and neck squamous cells carcinoma inhibit NLRP3 inflammasomes.. 2021 , 2, 175-183	2
731	Alpha-synuclein spreading mechanisms in Parkinson's disease: The role of membrane receptors. 2021 , 2, 1-63	
730	Extracellular Vesicles from Sporothrix Yeast Cells.. 2021 , 432, 35-44	0
729	Therapeutic implications of exosomes in the treatment of radiation injury.. 2022 , 10, tkab043	0
728	Mesenchymal Stem Cell-Derived Exosome Therapy of Microbial Diseases: From Bench to Bed.. 2021 , 12, 804813	1
727	An Ultrasensitive Strand Displacement Signal Amplification-Assisted Synchronous Fluorescence Assay for Surface Proteins of Small Extracellular Vesicle Analysis and Cancer Identification.. 2022 , 94, 1085-1091	2

726	Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression.. 2022 ,	3
725	Current insights on extracellular vesicle-mediated glioblastoma progression: Implications in drug resistance and epithelial-mesenchymal transition.. 2021 , 1866, 130065	1
724	Glioma-targeted delivery of exosome-encapsulated antisense oligonucleotides using neural stem cells.. 2022 , 27, 611-620	2
723	Exosomes are secreted at similar densities by M21 and PC3 human cancer cells and show paclitaxel solubility.. 2021 , 183841	
722	Epidermal Growth Factor Receptor Mutations Carried in Extracellular Vesicle-Derived Cargo Mirror Disease Status in Metastatic Non-small Cell Lung Cancer. 2021 , 9, 724389	4
721	Mutual Modulation Between Extracellular Vesicles and Mechanoenvironment in Bone Tumors.. 2021 , 9, 789674	
720	HCV Interplay With Mir34a: Implications in Hepatocellular Carcinoma.. 2021 , 11, 803278	0
719	Extracellular vesicles in low volume uterine lavage and serum: novel and promising biomarker for endometritis in Arabian mares.. 2022 , 18, 42	0
718	Successful Incorporation of Exosome-Capturing Antibody-siRNA Complexes into Multiple Myeloma Cells and Suppression of Targeted mRNA Transcripts.. 2022 , 14,	1
717	Tissue differences in the exosomal/small extracellular vesicle proteome and their potential as indicators of altered tissue metabolism.. 2022 , 38, 110277	5
716	Circulating extracellular vesicles expressing PD1 and PD-L1 predict response and mediate resistance to checkpoint inhibitors immunotherapy in metastatic melanoma.. 2022 , 21, 20	6
715	Mesenchymal Stem Cell-Derived Exosomes as a Novel Strategy for the Treatment of Intervertebral Disc Degeneration.. 2021 , 9, 770510	1
714	Infection Acts as an Independent Risk Factor for Intracranial Atherosclerosis in Women Less Than 60 Years Old.. 2021 , 8, 819315	1
713	Application of Magnetic Nanoparticles for Rapid Detection and In Situ Diagnosis in Clinical Oncology.. 2022 , 14,	4
712	Recent Advances in Device Engineering and Computational Analysis for Characterization of Cell-Released Cancer Biomarkers.. 2022 , 14,	1
711	Evaluation of exosomal non-coding RNAs in cancer using high-throughput sequencing.. 2022 , 20, 30	4
710	The Potential of Bovine Colostrum-Derived Exosomes to Repair Aged and Damaged Skin Cells.. 2022 , 14,	0
709	Isolation of Extracellular Vesicles from Arabidopsis.. 2022 , 2, e352	1

708	Exosome application in tumorigenesis: diagnosis and treatment of melanoma.. 2022 , 39, 19	2
707	Small Extracellular Vesicles from Human Amniotic Fluid Samples as Promising Theranostics.. 2022 , 23,	0
706	Potential application of biomimetic exosomes in cardiovascular disease: focused on ischemic heart disease. 2022 , 55, 30-38	1
705	Hypoxia-induced HIF1 β activation regulates small extracellular vesicle release in human embryonic kidney cells.. 2022 , 12, 1443	1
704	Smartphone-Based Electrochemical Biosensors for Directly Detecting Serum-Derived Exosomes and Monitoring Their Secretion.. 2022 ,	4
703	Optimization of Isolation Method for Extracellular Vesicles from Pancreatic Juice and Impact of Protease Activity.. 2022 , 1	1
702	Exosomes, extracellular vesicles and the eye.. 2021 , 214, 108892	2
701	Review on Strategies and Technologies for Exosome Isolation and Purification.. 2021 , 9, 811971	21
700	The Activation of Mesenchymal Stem Cells by Glioblastoma Microvesicles Alters Their Exosomal Secretion of miR-100-5p, miR-9-5p and let-7d-5p.. 2022 , 10,	2
699	Exosomes in cancer immunoediting and immunotherapy.. 2022 , 17, 193-205	0
698	Extracellular Vesicles Generated by Gram-Positive Bacteria Protect Human Tissues From HIV-1 Infection.. 2021 , 11, 822882	0
697	Gallbladder Cancer Cell-Derived Exosome-Mediated Transfer of Leptin Promotes Cell Invasion and Migration by Modulating STAT3-Mediated M2 Macrophage Polarization.. 2022 , 2022, 9994906	0
696	Enhancing the anti-leukemia immunity of acute lymphocytic leukemia-derived exosome-based vaccine by downregulation of PD-L1 expression.. 2022 , 1	0
695	Extracellular vesicles derived from neural EGFL-Like 1-modified mesenchymal stem cells improve acellular bone regeneration via the miR-25-5p-SMAD2 signaling axis.. 2022 , 17, 457-470	2
694	Exosomes as a messenger to regulate the crosstalk between macrophages and cardiomyocytes under hypoxia conditions.. 2022 ,	2
693	HPV HNSCC-derived exosomal miR-9-5p inhibits TGF β signaling mediated fibroblasts phenotypic transformation through NOX4.. 2022 ,	4
692	Nanomaterials-Based Urinary Extracellular Vesicles Isolation and Detection for Non-invasive Auxiliary Diagnosis of Prostate Cancer.. 2021 , 8, 800889	1
691	Exosomal circRELL1 serves as a miR-637 sponge to modulate gastric cancer progression via regulating autophagy activation.. 2022 , 13, 56	2

690	Definition of an Inflammatory Biomarker Signature in Plasma-Derived Extracellular Vesicles of Glioblastoma Patients.. 2022 , 10,	1
689	Therapeutic potential of induced pluripotent stem cell-derived extracellular vesicles. 2022 , 393-449	
688	Induced pluripotent stem cell-derived extracellular vesicles in regenerative medicine. 2022 , 507-527	
687	Non-classical Notch signaling by MDA-MB-231 breast cancer cell-derived small extracellular vesicles promotes malignancy in poorly invasive MCF-7 cells.. 2022 ,	0
686	The Role of Exosomes in the Pathophysiology of Chronic Rhinosinusitis.. 2021 , 11, 812920	1
685	Fabrication of T β -Exosome-releasing artificial stem cells for myocardial infarction therapy by improving coronary collateralization.. 2022 , 14, 416-429	2
684	PD-L1 in circulating exosomes of Merkel cell carcinoma.. 2022 ,	1
683	Morphology and Formation Mechanisms of Cellular Vesicles Harvested from Blood.	1
682	Diversity of Extracellular Vesicles (EV) in Plasma of Cancer Patients.	
681	Overcoming the blood-brain barrier by using a multistage exosome delivery system to inhibit central nervous system lymphoma.. 2022 , 102523	0
680	Design and Evaluation of Engineered Extracellular Vesicle (EV)-Based Targeting for EGFR-Overexpressing Tumor Cells Using Monobody Display.. 2022 , 9,	0
679	Optimization of small extracellular vesicle isolation from expressed prostatic secretions in urine for in-depth proteomic analysis.. 2022 , 11, e12184	1
678	Annexin in Taenia crassiceps ORF Strain is Localized in the Osmoregulatory System.. 2022 , 1	
677	Biomedical application of small extracellular vesicles in cancer treatment.. 2022 , 114117	2
676	Generation and functional characterization of CAR exosomes.. 2022 , 167, 123-131	0
675	Macitentan improves antitumor immune responses by inhibiting the secretion of tumor-derived extracellular vesicle PD-L1.. 2022 , 12, 1971-1987	1
674	Oxidative Properties of Blood-Derived Extracellular Vesicles in 15 Patients After Myocardial Infarction.. 2022 , 28, e935291	
673	Sequential transplantation of exosomes and mesenchymal stem cells pretreated with a combination of hypoxia and Tongxinluo efficiently facilitates cardiac repair.. 2022 , 13, 63	1

672	Upregulation of exosomal circPLK1 promotes the development of non-small cell lung cancer through the miR-1294/ high mobility group protein A1 axis.. 2022 , 13, 4185-4200	0
671	Cardiac fibroblasts secrete exosome microRNA to suppress cardiomyocyte pyroptosis in myocardial ischemia/reperfusion injury.. 2022 , 477, 1249	3
670	Exercise improves angiogenic function of circulating exosomes in type 2 diabetes: Role of exosomal SOD3.. 2022 , 36, e22177	0
669	Metabolomic Analysis of Extracellular Vesicles from Human Synovial Fluids. 2022 , 107257	0
668	Developing Biomarkers of Mild Traumatic Brain Injury: Promise and Progress of CNS-Derived Exosomes.. 2021 , 12, 698206	1
667	Transcriptome analysis of cervical cancer exosomes and detection of HPV E6*1 transcripts in exosomal RNA.. 2022 , 22, 164	1
666	Exosomes as Powerful Engines in Cancer: Isolation, Characterization and Detection Techniques.. 2021 , 11,	4
665	MicroRNA sequence codes for small extracellular vesicle release and cellular retention.. 2021 ,	36
664	MicroRNAs are minor constituents of extracellular vesicles that are rarely delivered to target cells. 2021 , 17, e1009951	29
663	Recent trends of extracellular vesicles for therapeutic intervention of brain-related diseases. 2022 , 119-128	
662	Exosomes as Radiation Biomarkers. 2022 , 125-136	
661	Biomimetic via Exosome Mimetics in Regenerative Medicine and Therapeutics. 2022 , 29-53	
660	Cell culture metabolomics and lipidomics. 2022 , 415-456	
659	¹¹¹ In-radiolabeling of Mesenchymal Stem Cell-derived Extracellular Vesicles for Quantitative In Vivo Imaging. 2022 , 9-15	
658	Inflammasome-Derived Exosomes Isolation and Imaging by Transmission Electron Microscopy.. 2022 , 2459, 131-136	
657	LncRNA Biomarkers of Inflammation and Cancer.. 2022 , 1363, 121-145	3
656	Detection of serum EphA2-EVs for pancreatic cancer diagnosis by light initiated chemiluminescent assay.. 2022 ,	
655	The Pathogenic Sphingolipid Psychosine is Secreted in Extracellular Vesicles in the Brain of a Mouse Model of Krabbe Disease.. 2022 , 14, 17590914221087817	1

654	Stem Cell Therapy: Significance and Applications of Stem Cell Products in Tissue Engineering and Regenerative Medicine. 2022 , 1-21	
653	A modular microfluidic platform for serial enrichment and harvest of pure extracellular vesicles.. 2022 ,	0
652	Profiling skeletal muscle-derived secretome with differentiation and acute contractile activity.	
651	Extracellular Vesicle Measurements with Nanoparticle Tracking Analysis: A Different Appreciation of Up and Down Secretion.. 2022 , 23,	0
650	Effect of 2D and 3D Culture Microenvironments on Mesenchymal Stem Cell-Derived Extracellular Vesicles Potencies.. 2022 , 10, 819726	4
649	Comparison of Human Urinary Exosomes Isolated via Ultracentrifugation Alone versus Ultracentrifugation Followed by SEC Column-Purification.. 2022 , 12,	2
648	Chondrocyte-derived exosomes promote cartilage calcification in temporomandibular joint osteoarthritis.. 2022 , 24, 44	0
647	Hypoxia-Preconditioned Extracellular Vesicles from Mesenchymal Stem Cells Improve Cartilage Repair in Osteoarthritis.. 2022 , 12,	3
646	Superinduction of immunosuppressive glioblastoma extracellular vesicles by IFN- γ through PD-L1 and IDO1.	0
645	Exosomes in the Pathogenesis, Progression, and Treatment of Osteoarthritis.. 2022 , 9,	2
644	Defective mitochondrial-lysosomal axis promotes extracellular vesicles release of mitochondrial components in Huntington's Disease.	0
643	Emerging Concepts on the Role of Extracellular Vesicles and Its Cargo Contents in Glioblastoma-Microglial Crosstalk.. 2022 , 59, 2822	0
642	Proteome analysis of the Gram-positive fish pathogen <i>Renibacterium salmoninarum</i> reveals putative role of membrane vesicles in virulence.. 2022 , 12, 3003	1
641	Identification of distinct cytotoxic granules as the origin of supramolecular attack particles in T lymphocytes.. 2022 , 13, 1029	6
640	PET Imaging of Small Extracellular Vesicles [Zr]Zr(oxinate) Direct Radiolabeling.. 2022 ,	2
639	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
638	Skeletal muscle-derived extracellular vesicles are altered with chronic contractile activity.	1
637	Exosomes Derived from Epidermal Stem Cells Improve Diabetic Wound Healing.. 2022 ,	1

636	Exosomes derived from M2 type tumor-associated macrophages promote osimertinib resistance in non-small cell lung cancer through MSTRG.292666.16-miR-6836-5p-MAPK8IP3 axis.. 2022 , 22, 83	1
635	Contribution of Autophagy-Lysosomal Pathway in the Exosomal Secretion of Alpha-Synuclein and Its Impact in the Progression of Parkinson's Disease.. 2022 , 15, 805087	2
634	Recent Progress of Exosome Isolation and Peptide Recognition-Guided Strategies for Exosome Research.. 2022 , 10, 844124	3
633	Ultraefficient extracellular vesicle-guided direct reprogramming of fibroblasts into functional cardiomyocytes.. 2022 , 8, eabj6621	2
632	Exosomes as Emerging Drug Delivery and Diagnostic Modality for Breast Cancer: Recent Advances in Isolation and Application.. 2022 , 14,	5
631	Extracellular Vesicles from Human Cardiac Fibroblasts Modulate Calcium Cycling in Human Stem Cell-Derived Cardiomyocytes.. 2022 , 11,	0
630	Gag-like proteins: Novel mediators of prenatal alcohol exposure in neural development.. 2022 ,	0
629	Exosome Processing and Characterization Approaches for Research and Technology Development.. 2022 , e2103222	4
628	Isolation of Extracellular Vesicles From Microalgae: A Renewable and Scalable Bioprocess.. 2022 , 10, 836747	3
627	Extracellular vesicle fusion visualized by cryo-EM.	1
626	Exosomes from human adipose-derived mesenchymal stem cells inhibit production of extracellular matrix in keloid fibroblasts via downregulating transforming growth factor- β and Notch-1 expression.. 2022 , 13, 8515-8525	3
625	Autologous, lentivirus-modified, T-rapa cell "micropharmacies" for lysosomal storage disorders.. 2022 , e14297	2
624	Profile of urinary exosomal microRNAs and their contribution to Diabetic Kidney Disease through a predictive classification model.. 2022 ,	1
623	Exosomes as Carriers for Drug Delivery in Cancer Therapy.. 2022 , 1	1
622	Using extracellular vesicles derived from human umbilical cord mesenchymal stem cells for a topical coating promotes oral mucositis healing in rats.. 2022 , 10, 290	
621	Identification of RNA Content of CHO-derived Extracellular Vesicles from a Production Process.. 2022 ,	1
620	Extracellular Vesicles Secreted by Glioma Stem Cells Are Involved in Radiation Resistance and Glioma Progression.. 2022 , 23,	3
619	Challenges in the Development of Drug Delivery Systems Based on Small Extracellular Vesicles for Therapy of Brain Diseases.. 2022 , 13, 839790	2

618	Development of an SPR-based binding assay for characterization of anti-CD20 antibodies to CD20 expressed on extracellular vesicles.. 2022 , 114635	1
617	Exploration and functionalization of M1-macrophage extracellular vesicles for effective accumulation in glioblastoma and strong synergistic therapeutic effects.. 2022 , 7, 74	4
616	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
615	Inflammation-Stimulated MSC-Derived Small Extracellular Vesicle miR-27b-3p Regulates Macrophages by Targeting CSF-1 to Promote Temporomandibular Joint Condylar Regeneration.. 2022 , e2107354	4
614	PML Body Component Sp100A Restricts Wild-Type Herpes Simplex Virus 1 Infection.. 2022 , e0027922	0
613	Inhibition of extracellular vesicle biogenesis in tumor cells: A possible way to reduce tumorigenesis.. 2022 ,	1
612	Extracellular Vesicles from Uterine Aspirates Represent a Promising Source for Screening Markers of Gynecologic Cancers.. 2022 , 11,	1
611	Sorting and packaging of RNA into extracellular vesicles shape intracellular transcript levels.. 2022 , 20, 72	1
610	Identification and functional characterization of multiple inositol polyphosphate phosphatase1 (Minpp1) isoform-2 in exosomes with potential to modulate tumor microenvironment.. 2022 , 17, e0264451	1
609	Beneficial Effects of Bovine Milk Exosomes in Metabolic Interorgan Cross-Talk.. 2022 , 14,	4
608	LAMP2A regulates the loading of proteins into exosomes.. 2022 , 8, eabm1140	8
607	Identifying the Efficacy of Extracellular Vesicles in Osteogenic Differentiation: An EV-Lution in Regenerative Medicine. 2022 , 3,	
606	Isolation of Platelet-Derived Exosomes from Human Platelet-Rich Plasma: Biochemical and Morphological Characterization.. 2022 , 23,	1
605	Bionanoparticles in cancer imaging, diagnosis, and treatment. 20200027	2
604	Exosomes in the Treatment of Pancreatic Cancer: A Moonshot to PDAC Treatment?. 2022 , 23,	2
603	Mesenchymal Stromal Cell-Derived Extracellular Vesicles for Neonatal Lung Disease: Tiny Particles, Major Promise, Rigorous Requirements for Clinical Translation.. 2022 , 11,	1
602	Unraveling the complexity of the extracellular vesicle landscape with advanced proteomics.. 2022 , 1-13	2
601	Exosomes as bio-inspired nanocarriers for RNA delivery: preparation and applications.. 2022 , 20, 125	6

600	Dodecaborate-Encapsulated Extracellular Vesicles with Modification of Cell-Penetrating Peptides for Enhancing Macropinocytotic Cellular Uptake and Biological Activity in Boron Neutron Capture Therapy.. 2022 , 19, 1135-1145	3
599	EhVps23, an ESCRT-I Member, Is a Key Factor in Secretion, Motility, Phagocytosis and Tissue Invasion by .. 2022 , 12, 835654	1
598	CagA , Not CagA , Infection Impairs Endothelial Function Through Exosomes-Mediated ROS Formation.. 2022 , 9, 881372	1
597	Light-induced high-efficient cellular production of immune functional extracellular vesicles.. 2022 , 11, e12194	2
596	RNA-based biomarkers for the diagnosis, prognosis, and therapeutic response monitoring of prostate cancer.. 2021 ,	1
595	Extracellular Vesicles Secreted by Corneal Myofibroblasts Promote Corneal Epithelial Cell Migration.. 2022 , 23,	3
594	Proteomic and Biochemical Analysis of Extracellular Vesicles Isolated from Blood Serum of Patients with Melanoma. 2022 , 9, 86	0
593	Extracellular vesicles derived from mesenchymal stem cells alleviate neuroinflammation and mechanical allodynia in interstitial cystitis rats by inhibiting NLRP3 inflammasome activation.. 2022 , 19, 80	1
592	Amniotic fluid derived stem cells promote skin regeneration and alleviate scar formation through exosomal miRNA-146a-5p via targeting CXCR4.. 2022 ,	0
591	Extracellular Vesicles from PRPF31+/iPSC-Derived RPE Have a Distinct RNA Profile Compared to Those From Healthy RPE.	
590	KIBRA regulates amyloid β metabolism by controlling extracellular vesicles secretion.. 2022 , 78, 103980	
589	Human Breast Milk: From Food to Active Immune Response With Disease Protection in Infants and Mothers.. 2022 , 13, 849012	1
588	Melanoma cells release DEL-1 via small extracellular vesicles.	
587	Induction of apoptosis in human colorectal cancer cells by nanovesicles from fingerroot (<i>Boesenbergia rotunda</i> (L.) Mansf.).. 2022 , 17, e0266044	1
586	Application of exosomes in the diagnosis and treatment of pancreatic diseases.. 2022 , 13, 153	0
585	Exosomal circGSE1 promotes immune escape of hepatocellular carcinoma by inducing the expansion of regulatory T cells.. 2022 ,	1
584	HBX suppresses PTEN to promote the malignant progression of hepatocellular carcinoma through mi-R155 activation.. 2022 , 100688	0
583	Application of extracellular vesicles derived from mesenchymal stem cells as potential therapeutic tools in autoimmune and rheumatic diseases.. 2022 , 106, 108634	5

582	TNF- β stimulation enhances the neuroprotective effects of gingival MSCs derived exosomes in retinal ischemia-reperfusion injury via the MEG3/miR-21a-5p axis.. 2022 , 284, 121484	2
581	Comparative analysis of extracellular vesicles isolated from human mesenchymal stem cells by different isolation methods and visualisation of their uptake.. 2022 , 414, 113097	2
580	Regenerative therapy by using mesenchymal stem cells-derived exosomes in COVID-19 treatment. The potential role and underlying mechanisms.. 2022 , 20, 61-71	1
579	Tumour generated exosomal miRNAs: A major player in tumour angiogenesis.. 2022 , 166383	0
578	Extracellular vesicles enriched with an endothelial cell pro-survival microRNA affects skin tissue regeneration.. 2022 , 28, 307-327	0
577	Design and development of novel fluorescence sensing material for exosome recognition.. 2022 , 214, 112421	0
576	Injectable cartilage matrix hydrogel loaded with cartilage endplate stem cells engineered to release exosomes for non-invasive treatment of intervertebral disc degeneration.. 2022 , 15, 29-43	2
575	GAPDH controls extracellular vesicle biogenesis and enhances the therapeutic potential of EV mediated siRNA delivery to the brain. 2021 , 12, 6666	6
574	The Aquatic Invertebrate Releases Molecular Messages Through Extracellular Vesicles.. 2021 , 9, 788117	0
573	Long noncoding RNA changes exosome secretion and microRNA expression carried by exosomes in hepatocellular carcinoma cells.. 2021 , 12, 3033-3049	
572	Biodistribution of Biomimetic Drug Carriers, Mononuclear Cells, and Extracellular Vesicles, in Nonhuman Primates.. 2021 , e2101293	0
571	Hepatitis B core antigen modulates exosomal miR-135a to target vesicle-associated membrane protein 2 promoting chemoresistance in hepatocellular carcinoma.. 2021 , 27, 8302-8322	1
570	Sulfisoxazole Elicits Robust Antitumour Immune Response Along with Immune Checkpoint Therapy by Inhibiting Exosomal PD-L1.. 2021 , e2103245	2
569	Endothelial dysfunction in pathological processes of chronic liver disease during aging.. 2022 , 36, e22125	2
568	Profiling and promise of supermeres. 2021 ,	8
567	Exosomes Derived from Radioresistant Breast Cancer Cells Promote Therapeutic Resistance in Naïve Recipient Cells.. 2021 , 11,	1
566	Salting-Out Approach Is Worthy of Comparison with Ultracentrifugation for Extracellular Vesicle Isolation from Tumor and Healthy Models.. 2021 , 11,	
565	Improving Isolation of Extracellular Vesicles by Utilizing Nanomaterials.. 2021 , 12,	1

564	Extracellular Vesicle Proteome in Prostate Cancer: A Comparative Analysis of Mass Spectrometry Studies.. 2021 , 22,	0
563	Therapeutic applications of exosomes in various diseases: A review.. 2021 , 112579	0
562	Human MSC-Derived Exosomes Reduce Cellular Senescence in Renal Epithelial Cells.. 2021 , 22,	3
561	Examination of Galectin-3 Recruitment into Multivesicular Bodies for Exosomal Secretion.. 2022 , 2442, 413-424	0
560	Molecular Composition of Serum Exosomes Could Discriminate Rectal Cancer Patients with Different Responses to Neoadjuvant Radiotherapy.. 2022 , 14,	0
559	The Overexpression of TOB1 Induces Autophagy in Gastric Cancer Cells by Secreting Exosomes.. 2022 , 2022, 7925097	1
558	Efficient Small Extracellular Vesicles (EV) Isolation Method and Evaluation of EV-Associated DNA Role in Cell-Cell Communication in Cancer.. 2022 , 14,	1
557	Mouse brain-wide transgene expression by systemic injection of genetically engineered exosomes: CAP-Exosomes.	
556	Heterogeneity in extracellular vesicle secretion by single human macrophages revealed by super-resolution microscopy.. 2022 , 11, e12215	3
555	Profiling the size-dependent heterogeneity of membrane proteins in a mixed population of small extracellular vesicle for potential cancer diagnosis.	
554	Radiation-Induced Bystander Effect Mediated by Exosomes Involves the Replication Stress in Recipient Cells.. 2022 , 23,	1
553	A Role for Exchange of Extracellular Vesicles in Porcine Spermatogonial Co-Culture.. 2022 , 23,	1
552	Characteristics of the MicroRNA Expression Profile of Exosomes Released by Vero Cells Infected with Porcine Epidemic Diarrhea Virus.. 2022 , 14,	0
551	Increased suicidal erythrocyte death in patients with hepatitis B-related acute-on-chronic liver failure.. 2022 ,	0
550	Message in a Bottle: Endothelial Cell Regulation by Extracellular Vesicles.. 2022 , 14,	2
549	Secretory autophagy maintains proteostasis upon lysosome inhibition.. 2022 , 221,	3
548	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. 2022 , 463, 214538	2
547	Image_1.JPEG. 2020 ,	

546 Image_10.JPEG. 2020,

545 Image_11.JPEG. 2020,

544 Image_12.JPEG. 2020,

543 Image_13.JPEG. 2020,

542 Image_2.JPEG. 2020,

541 Image_3.JPEG. 2020,

540 Image_4.JPEG. 2020,

539 Image_5.JPEG. 2020,

538 Image_6.JPEG. 2020,

537 Image_7.JPEG. 2020,

536 Image_8.JPEG. 2020,

535 Image_9.JPEG. 2020,

534 Table_1.pdf. 2020,

533 Data_Sheet_1.docx. 2020,

532 Image_1.TIF. 2019,

531 Image_2.TIF. 2019,

530 Table_1.DOCX. 2019,

529 Image_1.tif. 2018,

528 Image_2.tif. **2018,**

527 Image_3.tif. **2018,**

526 Table_1.DOCX. **2018,**

525 Table_2.DOCX. **2018,**

524 Table_3.DOCX. **2018,**

523 Table_4.DOCX. **2018,**

522 Table_1.XLSX. **2020,**

521 Table_2.XLSX. **2020,**

520 Table_3.XLSX. **2020,**

519 Data_Sheet_1.XLSX. **2020,**

518 Table_1.DOCX. **2020,**

517 Data_Sheet_1.pdf. **2019,**

516 Data_Sheet_1.PDF. **2020,**

515 Data_Sheet_2.pdf. **2020,**

514 Table_1.XLSX. **2020,**

513 Table_2.XLSX. **2020,**

512 Table_3.XLSX. **2020,**

511 Table_4.XLSX. **2020,**

510 Table_5.XLSX. 2020,

509 Table_6.XLSX. 2020,

508 Table_1.DOCX. 2020,

507 DataSheet_1.docx. 2020,

506 DataSheet_2.docx. 2020,

505 Data_Sheet_1.docx. 2018,

504 Table_1.xlsx. 2018,

503 Data_Sheet_1.docx. 2018,

502 image_1.tif. 2018,

501 image_2.PDF. 2018,

500 image_3.PDF. 2018,

499 image_4.PDF. 2018,

498 table_1.xlsx. 2018,

497 video_1.mp4. 2018,

496 Data_Sheet_1.pdf. 2020,

495 Data_Sheet_1.PDF. 2020,

494 Data_Sheet_2.xlsx. 2020,

493 Data_Sheet_3.pdf. 2020,

492 Image_1.TIF. **2020**,

491 Image_2.TIF. **2020**,

490 Image_3.TIF. **2020**,

489 Image_4.TIF. **2020**,

488 Image_5.TIF. **2020**,

487 Image_6.TIF. **2020**,

486 Image_7.TIF. **2020**,

485 Table_1.xlsx. **2020**,

484 Table_2.XLSX. **2020**,

483 image_1.tif. **2018**,

482 image_2.tif. **2018**,

481 image_3.tif. **2018**,

480 image_4.tif. **2018**,

479 image_5.tif. **2018**,

478 image_6.tif. **2018**,

477 Data_Sheet_1.PDF. **2019**,

476 Data_Sheet_2.docx. **2019**,

475 Video_1.MOV. **2019**,

474 Video_10.MOV. 2019,

473 Video_2.MOV. 2019,

472 Video_3.MOV. 2019,

471 Video_4.MOV. 2019,

470 Video_5.MOV. 2019,

469 Video_6.MOV. 2019,

468 Video_7.MOV. 2019,

467 Video_8.MOV. 2019,

466 Video_9.MOV. 2019,

465 Image_1.JPEG. 2019,

464 Image_2.JPEG. 2019,

463 Image_3.JPEG. 2019,

462 Image_4.JPEG. 2019,

461 Table_1.xlsx. 2020,

460 Table_2.xlsx. 2020,

459 Table_3.xlsx. 2020,

458 Table_4.xlsx. 2020,

457 Table_5.xlsx. 2020,

456 Table_6.xlsx. **2020**,

455 Data_Sheet_1.PDF. **2020**,

454 Data_Sheet_3.PDF. **2020**,

453 Image_1.JPEG. **2020**,

452 Image_2.JPEG. **2020**,

451 Image_3.JPEG. **2020**,

450 Image_1.PDF. **2018**,

449 Data_Sheet_1.zip. **2020**,

448 Presentation_1.pptx. **2020**,

447 Presentation_1.pdf. **2018**,

446 Data_Sheet_1.DOCX. **2018**,

445 Image_1.JPEG. **2018**,

444 Image_2.JPEG. **2018**,

443 Image_3.JPEG. **2018**,

442 Image_4.JPEG. **2018**,

441 Image_5.JPEG. **2018**,

440 Image_6.JPEG. **2018**,

439 Image_7.JPEG. **2018**,

438 Data_Sheet_1.DOCX. **2020**,

437 Table_1.XLSX. **2020**,

436 Table_2.XLSX. **2020**,

435 Table_3.XLSX. **2020**,

434 Data_Sheet_1.PDF. **2018**,

433 Table_1.XLS. **2018**,

432 Table_2.XLS. **2018**,

431 Data_Sheet_1.PDF. **2020**,

430 Data_Sheet_2.PDF. **2020**,

429 Image_1.tif. **2018**,

428 Image_2.tif. **2018**,

427 Image_1.tif. **2019**,

426 Image_1.JPEG. **2020**,

425 Image_2.JPEG. **2020**,

424 Image_3.JPEG. **2020**,

423 Data_Sheet_1.docx. **2019**,

422 Image_1.JPEG. **2019**,

421 Image_2.JPEG. **2019**,

420 Image_3.JPEG. 2019,

419 Image_4.JPEG. 2019,

418 Table_1.XLS. 2019,

417 Data_Sheet_1.PDF. 2019,

416 Video_1.MP4. 2019,

415 Video_2.MP4. 2019,

414 Image_1.pdf. 2018,

413 Data_Sheet_1.pdf. 2018,

412 Image_1.JPEG. 2018,

411 Image_2.JPEG. 2018,

410 Image_3.JPEG. 2018,

409 Image_4.JPEG. 2018,

408 Image_5.JPEG. 2018,

407 Table_1.DOCX. 2018,

406 Image_1.TIF. 2019,

405 Image_2.TIF. 2019,

404 Image_3.TIF. 2019,

403 Image_4.TIF. 2019,

402 Table_1.DOC. 2019,

401 Data_Sheet_1.ZIP. 2020,

400 Data_Sheet_2.docx. 2020,

399 Data_Sheet_1.PDF. 2020,

398 Data_Sheet_2.PDF. 2020,

397 Data_Sheet_3.PDF. 2020,

396 Data_Sheet_4.PDF. 2020,

395 Data_Sheet_5.PDF. 2020,

394 Data_Sheet_6.PDF. 2020,

393 Table_1.XLSX. 2020,

392 Table_2.XLSX. 2020,

391 Table_3.XLSX. 2020,

390 Table_4.XLSX. 2020,

389 Table_5.XLSX. 2020,

388 Table_6.XLSX. 2020,

387 Image_1.TIF. 2020,

386 Image_2.TIF. 2020,

385 Image_1.TIF. 2018,

384 Image_2.TIF. **2018**,

383 Image_3.TIF. **2018**,

382 Data_Sheet_1.PDF. **2020**,

381 Data_Sheet_2.PDF. **2020**,

380 Table_1.pdf. **2020**,

379 Table_2.pdf. **2020**,

378 Table_3.pdf. **2020**,

377 Table_4.pdf. **2020**,

376 Table_5.pdf. **2020**,

375 Extracellular Vesicles and Their Use as Vehicles of Immunogens.. **2022**, 2504, 177-198

374 Isolation of Circulating Extracellular Vesicles by High-Performance Size-Exclusion Chromatography.. **2022**, 2504, 31-40 1

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

372 Role of Exosomes and its emerging therapeutic applications in the pathophysiology of Non-Infectious disease.. **2022**, 1-53 0

371 Hepatic Exosomes with Declined MiR-27b-3p Trigger RIG-I/TBK1 Signal pathway in Macrophages.. **2022**, 0

370 It's not just a tube of blood—principles of protocol development, sample collection, staffing and budget considerations for blood-based biomarkers in immunotherapy studies. **2021**, 9, e003212 1

369 Potential application of biomimetic exosomes in cardiovascular disease; focused on ischemic heart disease.. **2021**,

368 Extraction of small extracellular vesicles by label-free and biocompatible on-chip magnetic separation.. **2022**,

367 Construction of Yeast Display Libraries for Selection of Antigen-Binding Variants of Large Extracellular Loop of CD81, a Major Surface Marker Protein of Extracellular Vesicles.. **2022**, 2491, 561-592

366	experimental study on the formation of microRNA-34a loaded exosomes and their inhibitory effect in oral squamous cell carcinoma.. 2022 , 1-9	1
365	Microfluidics for detection of exosomes and microRNAs in cancer: state of the art. 2022 ,	1
364	Microfluidic Platforms for the Isolation and Detection of Exosomes: A Brief Review. 2022 , 13, 730	2
363	The Role of Cell Derived Microparticles in Cardiovascular Diseases: Current Concepts. 2022 , 28,	0
362	Characterizing Extracellular Vesicles and Particles Derived from Skeletal Muscle Myoblasts and Myotubes and the Effect of Acute Contractile Activity. 2022 , 12, 464	1
361	A new paradigm for diagnosis of neurodegenerative diseases: peripheral exosomes of brain origin.. 2022 , 11, 28	1
360	Recent progress on microfluidic devices with incorporated 1D nanostructures for enhanced extracellular vesicle (EV) separation. 1	1
359	Urinary extracellular vesicles contain mature transcriptome enriched in circular and long noncoding RNAs with functional significance in prostate cancer.. 2022 , 11, e12210	2
358	Novel Gold Nanoparticle-Based Quick Small-Exosome Isolation Technique from Serum Sample at a Low Centrifugal Force. 2022 , 12, 1660	1
357	Placenta-Derived Exosomes and Gestational Diabetes Mellitus. Volume 15, 1391-1404	0
356	Conventional and Nonconventional Sources of Exosomes-Isolation Methods and Influence on Their Downstream Biomedical Application.. 2022 , 9, 846650	1
355	Knee Osteoarthritis Therapy: Recent Advances in Intra-Articular Drug Delivery Systems.. 2022 , 16, 1311-1347	0
354	Fluorescence Analysis of Circulating Exosomes for Breast Cancer Diagnosis Using a Sensor Array and Deep Learning.. 2022 ,	0
353	Exosomal PD-L1 predicts response with immunotherapy in NSCLC patients.. 2022 ,	2
352	Exosome Mediated Cytosolic Cisplatin Delivery Through Clathrin-Independent Endocytosis and Enhanced Anti-cancer Effect Avoiding Endosome Trapping in Cisplatin-Resistant Ovarian Cancer.. 2022 , 9, 810761	0
351	Zika virus impacts extracellular vesicle composition and cellular gene expression in macaque early gestation trophoblasts.. 2022 , 12, 7348	1
350	Endogenous retroviruses promote prion-like spreading of proteopathic seeds.	1
349	Manufacturing Therapeutic Exosomes: from Bench to Industry.. 2022 , 45, 284-290	4

348	Oil Red O based method for exosome labelling and detection.. 2022 , 611, 179-182	1
347	Circulating miRNAs in extracellular vesicles related to treatment response in patients with idiopathic membranous nephropathy.. 2022 , 20, 224	0
346	Nanotechnological engineering of extracellular vesicles for the development of actively targeted hybrid nanodevices.. 2022 , 12, 61	1
345	MiR-26b-5p in small extracellular vesicles derived from dying tumor cells after irradiation enhances the metastasis promoting microenvironment in esophageal squamous cell carcinoma. 2022 , 215746	0
344	Single Extracellular Vesicle Analysis Using Flow Cytometry for Neurological Disorder Biomarkers. 2022 , 16,	
343	Validation of Effective Extracellular Vesicles Isolation Methods Adapted to Field Studies in Malaria Endemic Regions. 2022 , 10,	0
342	Mesenchymal stromal cell-derived extracellular vesicles: novel approach in hematopoietic stem cell transplantation.. 2022 , 13, 202	0
341	Cx43-mediated sorting of miRNAs into extracellular vesicles.. 2022 , e54312	0
340	miR-196a-5p-Rich Extracellular Vesicles from Trophoblasts Induce M1 Polarization of Macrophages in Recurrent Miscarriage. 2022 , 2022, 1-21	1
339	Overview and Update on Extracellular Vesicles: Considerations on Exosomes and Their Application in Modern Medicine. 2022 , 11, 804	7
338	Extracellular Vesicles-Encapsulated miR-153-3p Potentiate the Survival and Invasion of Lung Adenocarcinoma. 2022 ,	1
337	Exosome: The Off-the-Shelf Cellular Nanocomponent as a Potential Pathogenic Agent, a Disease Biomarker, and Neurotherapeutics. 2022 , 13,	0
336	Research Progress on Transorgan Regulation of the Cardiovascular and Motor System through Cardiogenic Exosomes. 2022 , 23, 5765	0
335	Complexities of JC Polyomavirus Receptor-Dependent and -Independent Mechanisms of Infection. 2022 , 14, 1130	1
334	Isolation and Characterization of Sympathetic Extracellular Vesicles.	0
333	Bioengineering multifunctional extracellular vesicles for targeted delivery of biologics to T cells.	0
332	Astrocytes promote the proliferation of oligodendrocyte precursor cells through connexin 47-mediated LAMB2 secretion in exosomes.	1
331	BB-targeted sEVs for efficient intracellular delivery of proteins using MFG-E8. 2022 , 22,	0

330	Extracellular vesicles: from bench to bedside. 2022 , 1,	0
329	Extracellular Vesicles from <i>Naegleria fowleri</i> Induce IL-8 Response in THP-1 Macrophage. 2022 , 11, 632	0
328	Advances in engineered exosomes towards cancer diagnosis and therapeutics.	0
327	Huntingtin Co-Isolates with Small Extracellular Vesicles from Blood Plasma of TgHD and KI-HD Pig Models of Huntington's Disease and Human Blood Plasma. 2022 , 23, 5598	2
326	Extracellular vesicle biomarkers for pancreatic cancer diagnosis: a systematic review and meta-analysis. 2022 , 22,	2
325	Non-Coding RNAs Delivery by Small Extracellular Vesicles and Their Applications in Ovarian Cancer. 2022 , 10,	0
324	Extracellular Vesicles and Hepatocellular Carcinoma: Opportunities and Challenges. 12,	1
323	Quantitative Biodistribution and Pharmacokinetics Study of GMP-Grade Exosomes Labeled with ⁸⁹ Zr Radioisotope in Mice and Rats. 2022 , 14, 1118	2
322	Extracellular Vesicle-Associated MicroRNA-138-5p Regulates Embryo Implantation and Early Pregnancy by Adjusting GPR124. 2022 , 14, 1172	1
321	Chick cranial neural crest cells release extracellular vesicles critical for their migration.	0
320	Proteomic Analysis of Extracellular Vesicles From <i>Fasciola hepatica</i> Hatching Eggs and Juveniles in Culture. 2022 , 12,	1
319	Identification of Angiogenic Cargoes in Human Fibroblasts-Derived Extracellular Vesicles and Induction of Wound Healing. 2022 , 15, 702	0
318	Conscription of Immune Cells by Light-Activatable Silencing NK-Derived Exosome (LASNEO) for Synergetic Tumor Eradication. 2201135	3
317	Extracellular Vesicles in Cardiovascular Diseases: Diagnosis and Therapy. 2022 , 10,	2
316	Comparing extracellular vesicles and cell membranes as biocompatible coatings for gold nanorods: Implications for targeted theranostics. 2022 , 176, 168-179	0
315	Neuropilin-1 is present on Foxp3+ T regulatory cell-derived small extracellular vesicles and mediates immunity against skin transplantation. 2022 , 11,	0
314	Mass spectrometry methods for analysis of extracellular matrix components in neurological diseases.	0
313	Exosomes from LPS-preconditioned bone marrow MSCs accelerated peripheral nerve regeneration via M2 macrophage polarization: Involvement of TSG-6/NF- κ B/NLRP3 signaling pathway. 2022 , 114139	2

- 312 Bone Marrow Mesenchymal Stem Cell-Derived Exosomal microRNA-29b-3p Promotes Angiogenesis and Ventricular Remodeling in Rats with Myocardial Infarction by Targeting ADAMTS16. 0
- 311 Gastric Cancer-Derived Extracellular Vesicles (EVs) Promote Angiogenesis via Angiopoietin-2. **2022**, 14, 2953 0
- 310 Potentiality of Exosomal Proteins as Novel Cancer Biomarkers for Liquid Biopsy. 13, 0
- 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 Exosomes Derived from Bone Marrow Mesenchymal Stem Cells Promote Angiogenesis in Ischemic Stroke Mice via Upregulation of MiR-21-5p. **2022**, 12, 883 1
- 306 Blood-based liquid biopsies for prostate cancer: clinical opportunities and challenges. 0
- 305 Cell membrane-coated nanoparticles for the treatment of bacterial infection. 2
- 304 Methods for the Detection of Circulating Biomarkers in Cancer Patients. **2022**, 525-552 0
- 303 Exosomes as Carriers for Notch Molecules. **2022**, 197-208 0
- 302 Quantitative Measurement of Extracellular Vesicle Content Delivery Within Acceptor Cells. **2022**, 397-403 1
- 301 Correlation of laboratory markers of hemostatic system activation with concentration and size of plasma extracellular microparticles in patients with COVID-19. **2022**, 29, 28-36 0
- 300 Label-free quantitative proteomic analysis of serum exosomes from patients of renal anemia: The Good and the Bad of Roxadustat. **2022**, 19, 0
- 299 The Antisenescence Effect of Exosomes from Human Adipose-Derived Stem Cells on Skin Fibroblasts. **2022**, 2022, 1-12 1
- 298 Activation of Anti-SARS-CoV-2 Human CTLs by Extracellular Vesicles Engineered with the N Viral Protein. **2022**, 10, 1060 1
- 297 The Association of Human Astrovirus with Extracellular Vesicles Facilitates Cell Infection and Protects the Virus from Neutralizing Antibodies. 0
- 296 Homosalate boosts the release of tumour-derived extracellular vesicles with protection against anchorage-loss property. **2022**, 11, 0
- 295 The role of extracellular vesicles in animal reproduction and diseases. **2022**, 13, 0

294	Alpha-Synuclein and Its Role in Melanocytes. 2022 , 11, 2087	1
293	Insights into Polyphenol-Lipid Interactions: Chemical Methods, Molecular Aspects and Their Effects on Membrane Structures. 2022 , 11, 1809	0
292	CLL-Derived Extracellular Vesicles Impair T-Cell Activation and Foster T-Cell Exhaustion via Multiple Immunological Checkpoints. 2022 , 11, 2176	1
291	Induction of amphotericin B resistance in susceptible <i>Candida auris</i> by extracellular vesicles. 1-40	1
290	Amyotrophic Lateral Sclerosis Proteomic Signature And Treatment With Mesenchymal Stem Cell-derived Extracellular Vesicles.	
289	Glycopattern Alteration of Glycoproteins in Gastrointestinal Cancer Cell Lines and Their Cell-Derived Exosomes.	
288	RanGTPase links nucleo-cytoplasmic transport to the recruitment of cargoes into small extracellular vesicles. 2022 , 79,	
287	Extracellular Vesicles from BMSCs Prevent Glucocorticoid-Induced BMECs Injury by Regulating Autophagy via the PI3K/Akt/mTOR Pathway. 2022 , 11, 2104	1
286	Exosomes of A549 Cells Induced Migration, Invasion, and EMT of BEAS-2B Cells Related to let-7c-5p and miR-181b-5p. 13,	
285	Extracellular vesicles containing the I-BAR protein IRSp53 are released from the cell plasma membrane in an Arp2/3 dependent manner.	0
284	Ginsenoside Rh2 Inhibits NLRP3 Inflammasome Activation and Improves Exosomes to Alleviate Hypoxia-Induced Myocardial Injury. 13,	1
283	A review on comparative studies addressing exosome isolation methods from body fluids.	1
282	Isolation and Characterization of Extracellular Vesicles from Gastric Juice. 2022 , 14, 3314	1
281	FAP high α 5MA low cancer-associated fibroblast-derived SLPI protein encapsulated in extracellular vesicles promotes ovarian cancer development via activation of PI3K/AKT and downstream signaling pathways.	1
280	Macrophage bioassay standardization to assess the anti-inflammatory activity of mesenchymal stromal cell-derived small extracellular vesicles. 2022 ,	2
279	Reduced graphene oxide-embedded nerve conduits loaded with bone marrow mesenchymal stem cell-derived extracellular vesicles promote peripheral nerve regeneration. 2023 , 18, 200	1
278	Knowledge Mapping of Exosomes in Autoimmune Diseases: A Bibliometric Analysis (2002-2021). 13,	0
277	Multicellular regulation of miR-196a-5p and miR-425-5 from adipose stem cell-derived exosomes and cardiac repair.	0

276	Rapid immunomagnetic co-capture assay for quantification of lung Cancer associated exosomes. 2022 , 113324	0
275	Mesenchymal stem cell-derived exosomes protect against liver fibrosis via delivering miR-148a to target KLF6/STAT3 pathway in macrophages. 2022 , 13,	0
274	Exosome- and extracellular vesicle-based approaches for the treatment of lysosomal storage disorders. 2022 , 114465	0
273	Plant extracellular vesicles and their potential in human health research, the practical approach. 327-339	0
272	Extracellular vesicles from A23187-treated neutrophils cause cGAS-STING-dependent IL-6 production by macrophages. 13,	
271	Adipose-Derived Stem Cell Exosomes as a Novel Anti-Inflammatory Agent and the Current Therapeutic Targets for Rheumatoid Arthritis. 2022 , 10, 1725	3
270	Extracellular Vesicles (EVs) Are Copurified with Feline Calicivirus, yet EV-Enriched Fractions Remain Infectious.	
269	Unbiased proteomic analysis of extracellular vesicles secreted by senescent human vascular smooth muscle cells reveals their ability to modulate immune cell functions.	3
268	Citicoline Modifies the Expression of Specific miRNAs Related to Cardioprotection in Patients with ST-Segment Elevation Myocardial Infarction Subjected to Coronary Angioplasty. 2022 , 15, 925	2
267	Application of extracellular vesicles from mesenchymal stem cells promotes hair growth by regulating human dermal cells and follicles. 2022 , 14, 527-538	0
266	A Microchambers Containing Contact Lens for the Noninvasive Detection of Tear Exosomes. 2206620	4
265	Apoptotic vesicles ameliorate lupus and arthritis via phosphatidylserine-mediated modulation of T cell receptor signaling. 2022 ,	1
264	Research Progress on Exosomes in Osteonecrosis of the Femoral Head.	1
263	All-in-One Strategy for Downstream Molecular Profiling of Tumor-Derived Exosomes. 2022 , 14, 36341-36352	1
262	Serum exosomal coronin 1A and dynamin 2 as neural tube defect biomarkers. 2022 , 100, 1307-1319	
261	Selective isolation of extracellular vesicles from minimally processed human plasma as a translational strategy for liquid biopsies. 2022 , 10,	0
260	Exosomal MicroRNAs modulate the cognitive function in fasudil treated APP ^{swe} /PSEN1 ^{dE9} transgenic (APP/PS1) mice model of Alzheimer's disease.	
259	Detailed Characterization of Small Extracellular Vesicles from Different Cell Types Based on Tetraspanin Composition by ExoView R100 Platform. 2022 , 23, 8544	0

- 258 Extracellular Vesicle-Encapsulated microRNAs as Novel Biomarkers of Lung Health. ○
- 257 Cardiac troponin T in extracellular vesicles as a novel biomarker in human cardiovascular disease. **2022**, 12, ○
- 256 Effects of Extracellular Vesicles from Osteogenic Differentiated Human BMSCs on Osteogenic and Adipogenic Differentiation Capacity of Naïve Human BMSCs. **2022**, 11, 2491 ○
- 255 Mass spectrometry identification of biomarkers in extracellular vesicles from Plasmodium vivax liver hypnozoite infections. **2022**, 100406 ○
- 254 The regulatory role of exosomes in venous thromboembolism. 10, ○
- 253 Engineered Exosomes Containing Cathelicidin/LL-37 Exhibit Multiple Biological Functions. 2200849 ○
- 252 Exosomal miRNAs in the plasma of Cynoglossus semilaevis infected with Vibrio harveyi: Pleiotropic regulators and potential biomarkers involved in inflammatory and immune responses. 13, ○
- 251 Overexpression of mir-135b and mir-210 in mesenchymal stromal cells for the enrichment of extracellular vesicles with angiogenic factors. **2022**, 17, e0272962 ○
- 250 Atorvastatin Enhances the Efficacy of Immune Checkpoint Therapy and Suppresses the Cellular and Extracellular Vesicle PD-L1. **2022**, 14, 1660 2
- 249 Extracellular vesicles modulate inflammatory signaling in chronically ischemic myocardium of swine with metabolic syndrome. **2022**, ○
- 248 ELTD1 is present in extracellular vesicles derived from endothelial cells as a cleaved extracellular domain which induces in vivo angiogenesis. **2022**, 1, ○
- 247 The Oral Tumor Cell Exosome miR-10b Stimulates Cell Invasion and Relocation via AKT Signaling. **2022**, 2022, 1-7 ○
- 246 Activation of Inflammation by MCF-7 Cells-Derived Small Extracellular Vesicles (sEV): Comparison of Three Different Isolation Methods of sEV. ○
- 245 Asymmetric depth-filtration: A versatile and scalable method for high-yield isolation of extracellular vesicles with low contamination. **2022**, 11, ○
- 244 Extracellular vesicles induce aggressive lung cancer via non-canonical integrin-EGFR-KRAS signaling. ○
- 243 In Peripheral Blood Mononuclear Cells Helicobacter pylori Induces the Secretion of Soluble and Exosomal Cytokines Related to Carcinogenesis. **2022**, 23, 8801 1
- 242 The potential role of exosomal miRNAs and membrane proteins in acute HIV-infected people. 13, ○
- 241 Osteoclast-derived extracellular vesicles are implicated in sensory neurons sprouting through the activation of epidermal growth factor signaling. **2022**, 12, ○

240	Liquid Biopsy and Circulating Biomarkers for the Diagnosis of Precancerous and Cancerous Oral Lesions. 2022 , 8, 60	0
239	Efficient extracellular vesicles freeze-dry method for direct formulations preparation and use. 2022 , 218, 112745	
238	Exosome-driven liquid biopsy for breast cancer: Recent advances in isolation, biomarker identification and detection. 2022 , 1, 100006	0
237	Targeted delivery of platelet membrane modified extracellular vesicles into atherosclerotic plaque to regress atherosclerosis. 2022 , 138992	1
236	Inhibition of the pseudokinase MLKL alters extracellular vesicle release and reduces tumor growth in glioblastoma. 2022 , 25, 105118	0
235	The exploration of droplet digital branched rolling circle amplification based ultrasensitive biosensor for gastric cancer cell-derived extracellular vesicles detection. 2022 , 16, 100296	0
234	Large extracellular vesicles secreted by human iPSC-derived MSCs ameliorate tendinopathy via regulating macrophage heterogeneity. 2023 , 21, 194-208	0
233	Exosomes: a novel vesicular drug delivery platform. 2022 , 147-154	0
232	Exosomes as diagnostic tools. 2022 , 117-144	0
231	Hydrogel-Embedded Poly(Lactic-co-Glycolic Acid) Microspheres for the Delivery of hMSC-Derived Exosomes to Promote Bioactive Annulus Fibrosus Repair. 2022 , 13, 194760352211139	1
230	Stem Cell Exosomes Improve Survival of Neural Stem Cells after Radiation Exposure. 2022 , 173, 544-552	0
229	Release of VAMP5-positive extracellular vesicles by retinal Müller glia in vivo. 2022 , 11,	0
228	Extracellular vesicle-associated microRNA-30b-5p activates macrophages through the SIRT1/ NF- κ B pathway in cell senescence. 13,	1
227	Nonalcoholic Fatty Liver Hepatocyte-Derived lncRNA MALAT1 Aggravates Pancreatic Cell Inflammation via the Inhibition of Autophagy by Upregulating YAP. 2022 , 2022, 1-9	0
226	Intrarenal Arterial Transplantation of Dexmedetomidine Preconditioning Adipose Stem-Cell-Derived Microvesicles Confers Further Therapeutic Potential to Attenuate Renal Ischemia/Reperfusion Injury through miR-122-5p/Erythropoietin/Apoptosis Axis. 2022 , 11, 1702	0
225	Emerging role of extracellular vesicles in kidney diseases. 13,	0
224	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
223	Human Cytomegalovirus Modifies Placental Small Extracellular Vesicle Composition to Enhance Infection of Fetal Neural Cells In Vitro. 2022 , 14, 2030	1

222	Extracellular vesicles as a novel photosensitive drug delivery system for enhanced photodynamic therapy. 10,	0
221	Roles of Exosomes in Chronic Rhinosinusitis: A Systematic Review. 2022 , 23, 11284	0
220	Exosome-Derived microRNAs from Mouthrinse Have the Potential to Be Novel Biomarkers for Sjögren Syndrome. 2022 , 12, 1483	0
219	Small extracellular vesicles of hypoxic endothelial cells regulate the therapeutic potential of adipose-derived mesenchymal stem cells via miR-486-5p/PTEN in a limb ischemia model. 2022 , 20,	0
218	Extracellular Vesicles in Sickle Cell Disease: A Promising Tool. 2022 , 9, 439	0
217	Uterine extracellular vesicles as multi-signal messengers during maternal recognition of pregnancy in the mare. 2022 , 12,	0
216	Composition, Biogenesis, and Role of Exosomes in Tumor Development. 2022 , 2022, 1-12	0
215	Rapid Isolation of Extracellular Vesicles Using a Hydrophilic Porous Silica Gel-Based Size-Exclusion Chromatography Column.	0
214	Precise co-delivery of drug and cytotoxic exosomes using a biomimetic nanorobot for glioma regression and recurrence prevention.	0
213	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Proposed Therapy in a Rat Model of Cerebral Small Vessel Disease. 2022 , 23, 11211	1
212	Phenformin suppresses angiogenesis through the regulation of exosomal microRNA-1246 and microRNA-205 levels derived from oral squamous cell carcinoma cells. 12,	0
211	Oviductal Extracellular Vesicles Enhance Porcine In Vitro Embryo Development by Modulating the Embryonic Transcriptome. 2022 , 12, 1300	0
210	A novel serum extracellular vesicle protein signature to monitor glioblastoma tumor progression.	0
209	Extracellular vesicles and particles impact the systemic landscape of cancer. 2022 , 41,	2
208	Comparative analysis of tangential flow filtration and ultracentrifugation, both combined with subsequent size exclusion chromatography, for the isolation of small extracellular vesicles. 2022 , 11, 12266	1
207	Characterization of Exosomes and Exosomal RNAs Isolated from Post-Mortem Body Fluids for Molecular Forensic Diagnosis. 2022 , 12, 2153	0
206	Phospholipids-grafted PLLA electrospun micro/nanofibers immobilized with small extracellular vesicles from rat adipose mesenchymal stem cells promote wound healing in diabetic rats.	1
205	Saponins from Panax notoginseng ameliorate steroid resistance in lupus nephritis through regulating lymphocyte-derived exosomes in mice. 13,	0

204	Presence of intact hepatitis B virions in exosomes. 2022 ,	1
203	Isolation and analysis of tumor-derived extracellular vesicles from head and neck squamous cell carcinoma plasma by galectin-based glycan recognition particles. 2022 , 61,	1
202	circ_0086296 induced atherosclerotic lesions via the IFIT1/STAT1 feedback loop by sponging miR-576-3p. 2022 , 27,	1
201	Outer Membrane Vesicles as Molecular Biomarkers for Gram-negative Sepsis: Taking Advantage of Nature's Perfect Packages. 2022 , 102483	0
200	Circulating CD81-expressing extracellular vesicles as biomarkers of response for immune-checkpoint inhibitors in advanced NSCLC. 13,	1
199	Comparison of methods of isolating extracellular vesicle microRNA from HepG2 cells for High-throughput sequencing. 9,	0
198	Pten regulates endocytic trafficking of cell adhesion and signaling molecules to pattern the retina.	0
197	Plant extracellular vesicles: A novel bioactive nanoparticle for tumor therapy. 13,	1
196	Interferon- γ induces immunosuppression in salivary adenoid cystic carcinoma by regulating programmed death ligand 1 secretion. 2022 , 14,	0
195	Role of Intracellular and Extracellular Annexin A1 in MIA PaCa-2 Spheroids Formation and Drug Sensitivity. 2022 , 14, 4764	0
194	Proteome profiling of whole plasma and plasma-derived extracellular vesicles facilitates the detection of tissue biomarkers in the non-obese diabetic mouse. 13,	0
193	Offline Coupling of Asymmetrical Flow Field-Flow Fractionation and Capillary Electrophoresis for Separation of Extracellular Vesicles.	0
192	Comparative analysis of extracellular vesicle isolation methods from human AML bone marrow cells and AML cell lines. 12,	1
191	Machine learning-assisted elucidation of CD81-CD44 interactions in promoting cancer stemness and extracellular vesicle integrity. 11,	1
190	Enterovirus 71 non-structural protein 3A hijacks vacuolar protein sorting 25 to boost exosome biogenesis to facilitate viral replication. 13,	0
189	An optimized protocol for the enrichment of small vesicles from murine and non-human primate heart tissue. 2022 , 4, 26-33	0
188	Extracellular vesicle secretion by leukemia cells in vivo promotes CLL progression by hampering antitumor T-cell responses.	2
187	Proteomic profiling of extracellular vesicles suggests Collectin10 as potential biomarker in relapsing head and neck squamous cell carcinoma. 2022 , 4, 9-17	0

186	MicroRNA Content of Ewing Sarcoma Derived Extracellular Vesicles Leads to Biomarker Potential and Identification of a Previously Undocumented EWS-FL11 Translocation. 2022 , 17, 117727192211326	1
185	MiR-493-5p inhibits Th9 cell differentiation in allergic asthma by targeting FOXO1. 2022 , 23,	0
184	Osteosarcoma-Derived Exosomes as Potential PET Imaging Nanocarriers for Lung Metastasis. 2203999	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	Rapid production method with increased yield of high-purity extracellular vesicles obtained using extended mitochondrial targeting domain peptide. 2022 , 11, 12274	0
181	The dark side of foetal bovine serum in extracellular vesicle studies. 2022 , 11, 12271	0
180	Proviral role of human respiratory epithelial cell-derived small extracellular vesicles in SARS-CoV-2 infection. 2022 , 11,	2
179	Proteomic and miRNA Profiles of Exosomes Derived from Myometrial Tissue in Laboring Women. 2022 , 23, 12343	0
178	Serum extracellular vesicle MicroRNAs as candidate biomarkers for acute rejection in patients subjected to liver transplant. 13,	1
177	Defective mitochondria-lysosomal axis enhances the release of extracellular vesicles containing mitochondrial DNA and proteins in Huntington's disease. 2022 , 1,	1
176	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
175	Strategies to overcome the main challenges of the use of exosomes as drug carrier for cancer therapy. 2022 , 22,	1
174	Human Bone Marrow Mesenchymal Stem Cell (hBMSCs)-Derived miR-29a-3p-Containing Exosomes Impede Laryngocarcinoma Cell Malignant Phenotypes by Inhibiting PTEN. 2022 , 2022, 1-14	0
173	Involvement of ceramide biosynthesis in increased extracellular vesicle release in Pkd1 knock out cells. 13,	0
172	Proteomic Profiling of Extracellular Vesicles Released by Leptin-Treated Breast Cancer Cells: A Potential Role in Cancer Metabolism. 2022 , 23, 12941	0
171	Small Extracellular Vesicles from Hypoxic Triple-Negative Breast Cancer Cells Induce Oxygen-Dependent Cell Invasion. 2022 , 23, 12646	0
170	si-PDGFR β -Loaded Exosomes Suppress the Progression of Glioma by Inhibiting the Oxidative Associated PI3K/Akt/EZH2 Signaling Pathway. 2022 , 2022, 1-15	0
169	Role of extracellular vesicles in mitochondrial eye diseases.	0

168	Adipose-Derived Stem Cell Exosomes Inhibit Hypertrophic Scaring Formation by Regulating Th17/Treg Cell Balance. 2022 , 2022, 1-12	0
167	EV-ADD, a database for EV-associated DNA in human liquid biopsy samples. 2022 , 11,	0
166	Engineered stem cell exosomes for oral and maxillofacial wound healing. 10,	0
165	Stem cell-derived exosomes in bone healing: focusing on their role in angiogenesis. 2022 ,	0
164	Extracellular Vesicles Isolated from Malignant Mesothelioma Cancer-Associated Fibroblasts Induce Pro-Oncogenic Changes in Healthy Mesothelial Cells. 2022 , 23, 12469	1
163	Ultrastructure and stability of cellular nanoparticles isolated from <i>Phaeodactylum tricornutum</i> and <i>Dunaliella tertiolecta</i> conditioned media. 2, 121	0
162	Senescent neutrophils-derived exosomal piRNA-17560 promotes chemoresistance and EMT of breast cancer via FTO-mediated m6A demethylation. 2022 , 13,	0
161	The synthesis of extracellular vesicles by the protistan parasite <i>Blastocystis</i> . 12,	0
160	The impact of obesity and uncontrolled asthma during pregnancy on metabolic and inflammatory pathways. 1-12	0
159	Plasma Extracellular Vesicles Play a Role in Immune System Modulation in Minimal Hepatic Encephalopathy. 2022 , 23, 12335	0
158	Exosomes as New Generation Vehicles for Drug Delivery: Biomedical Applications and Future Perspectives. 2022 , 27, 7289	1
157	Tumor-produced and aging-associated oncometabolite methylmalonic acid promotes cancer-associated fibroblast activation to drive metastatic progression. 2022 , 13,	0
156	Platelet-Derived Exosomes in Atherosclerosis. 2022 , 23, 12546	2
155	Proteomic analysis of vitreal exosomes in patients with proliferative diabetic retinopathy.	0
154	Brain Microvascular Endothelial Cell-Derived Exosomes Protect Neurons from IschemiaReperfusion Injury in Mice. 2022 , 15, 1287	0
153	MicroRNAs in extracellular vesicles: Sorting mechanisms, diagnostic value, isolation, and detection technology. 10,	1
152	Human amniotic epithelial cells exert anti-cancer effects through secretion of immunomodulatory small extracellular vesicles (sEV). 2022 , 22,	1
151	Intracellular pathogen <i>Leishmania</i> intervenes in iron loading into ferritin by cleaving chaperones in host macrophages as an iron acquisition strategy. 2022 , 102646	0

- 150 Chondrogenic Potential of Human Umbilical Cord Mesenchymal Stem Cells Cultured with Exosome-Depleted Fetal Bovine Serum in an Osteoarthritis Mouse Model. **2022**, 10, 2773 ○
- 149 Dose-related shifts in proteome and function of extracellular vesicles secreted by fetal neural stem cells following chronic alcohol exposure. **2022**, e11348 ○
- 148 LC3-dependent EV loading and secretion (LDELS) promotes TFRC (transferrin receptor) secretion via extracellular vesicles. 1-11 ○
- 147 Liquid biopsy and preclinical tools for advancing diagnosis and treatment of patients with pancreatic neuroendocrine neoplasms. **2022**, 103865 1
- 146 Highly efficient TiO₂-based one-step strategy for micro volume plasma-derived extracellular vesicles isolation and multiomics sample preparation. **2022**, 116971 ○
- 145 Exosome mimetics derived from bone marrow mesenchymal stem cells ablate neuroblastoma tumor in vitro and in vivo. **2022**, 142, 213161 ○
- 144 A comparative proteomics analysis identified differentially expressed proteins in pancreatic cancer-associated stellate cell small extracellular vesicles. **2022**, 100438 ○
- 143 Urinary exosomes: Diagnostic impact with a bioinformatic approach. **2022**, ○
- 142 Functional Roles of Exosomes in Allergic Contact Dermatitis. **2022**, ○
- 141 Inhibition of extracellular vesicle-encapsulated miRNA produced by estrogen-mediated upregulation of cellular processing suppresses target organ inflammation in a humanized model of systemic lupus erythematosus. ○
- 140 Doxorubicin-Loaded Extracellular Vesicles Enhance Tumor Cell Death in Retinoblastoma. **2022**, 9, 671 ○
- 139 Cell-derived nanovesicles from mesenchymal stem cells as extracellular vesicle-mimetics in wound healing. **2022**, 2
- 138 Exosomal EphA2 promotes tumor metastasis of triple-negative breast cancer by damaging endothelial barrier. ○
- 137 Lactobacilli extracellular vesicles: potential postbiotics to support the vaginal microbiota homeostasis. **2022**, 21, ○
- 136 Extracellular Vesicle Isolation and Characterization for Applications in Cartilage Tissue Engineering and Osteoarthritis Therapy. **2023**, 123-140 ○
- 135 Microfluidics facilitating the use of small extracellular vesicles in innovative approaches to male infertility. 1
- 134 Extracellular vesicles from *Trypanosoma cruzi*-dendritic cell interaction show modulatory properties and confer resistance to lethal infection as a cell-free based therapy strategy. 12, ○
- 133 Extracellular Vesicles as an Endocrine Mechanism Connecting Distant Cells. **2022**, 45, 771-780 ○

- 132 MSC-EV therapy for bone/cartilage diseases. **2022**, 17, 101636 ○
- 131 Allograft Tissues. **2022**, 89-101 ○
- 130 Comparison of Methods for MicroRNA Isolation from Extracellular Vesicles Obtained from Ascitic Fluids. **2022**, 87, 1354-1366 ○
- 129 Tracking tools of extracellular vesicles for biomedical research. 10, ○
- 128 Nanomaterial-based microfluidic systems for cancer biomarker detection: Recent applications and future perspectives. **2022**, 116835 1
- 127 Magnetic enrichment of immuno-specific extracellular vesicles for mass spectrometry using biofilm-derived iron oxide nanowires. 1
- 126 Huc-MSCs-derived exosomes attenuate neuropathic pain by inhibiting activation of the TLR2/MyD88/NF- κ B signaling pathway in the spinal microglia by targeting Rsad2. **2023**, 114, 109505 ○
- 125 AML-derived extracellular vesicles negatively regulate stem cell pool size: A step toward bone marrow failure. **2023**, 71, 103375 ○
- 124 Improving extracellular vesicles production through a Bayesian optimization-based experimental design. **2023**, 182, 103-114 ○
- 123 Bovine embryos release extracellular vesicles with differential miRNA signature during the compaction and blastulation stages. **2023**, 23, 100725 ○
- 122 MV-mediated biomineralization mechanisms and treatments of biomineralized diseases. **2023**, 17, 100198 ○
- 121 Advances in exosome analysis. **2022**, ○
- 120 UBE2O ubiquitinates PTRF/CAVIN1 and inhibits the secretion of exosome-related PTRF/CAVIN1. **2022**, 20, ○
- 119 Emerging role of mesenchymal stem cell-derived extracellular vesicles in oral and craniomaxillofacial tissue regenerative medicine. 10, ○
- 118 Proteomic profiling of cell line-derived extracellular vesicles to identify candidate circulatory markers for detection of gallbladder cancer. 12, ○
- 117 Fluorescence Spectroscopic Analysis of Lateral and Transbilayer Fluidity of Exosome Membranes. **2022**, 38, 14695-14703 ○
- 116 Comparison of two methods for extracting exosomes from the nucleus accumbens in mice. **2022**, 137017 ○
- 115 Injectable MMP1-sensitive microspheres with spatiotemporally controlled exosome release promote neovascularized bone healing. **2022**, ○

- 114 Exosomes: from biology to immunotherapy in infectious diseases. 1-29 ○
- 113 Extracellular vesicles improve GABAergic transmission in Huntington's disease iPSC-derived neurons. ○
- 112 m 6 A Reader YTHDF1-Targeting Engineered Small Extracellular Vesicles for Gastric Cancer Therapy via Epigenetic and Immune Regulation. 2204910 ○
- 111 Proteomic landscape of tunneling nanotubes reveals CD9 and CD81 tetraspanins as key regulators. ○
- 110 Enhancing Cutaneous Wound Healing Based on Human Induced Neural Stem Cell-derived Exosomes. Volume 17, 5991-6006 ○
- 109 Cells Responding to Closely Related Cholesterol-Dependent Cytolysins Release Extracellular Vesicles with a Common Proteomic Content Including Membrane Repair Proteins. **2023**, 15, 4 ○
- 108 Using natural killer cell-derived exosomes as a cell-free therapy for leukemia. ○
- 107 Comparison of qNANO results from the isolation of extracellular microvesicles with the theoretical model. **2022**, 18, 171-179 1
- 106 Cold exposure impairs extracellular vesicle swarm-mediated nasal antiviral immunity. **2022**, ○
- 105 Edible plant extracellular vesicles: An emerging tool for bioactives delivery. 13, 2
- 104 Mechanical stimulation on a microfluidic device to highly enhance small extracellular vesicle secretion of mesenchymal stem cells. **2022**, 100527 ○
- 103 Loading Nanoceria Improves Extracellular Vesicle Membrane Integrity and Therapy to Wounds in Aged Mice. ○
- 102 Recent advances in the roles of exosomal microRNAs in neuroblastoma. 12, ○
- 101 Thiolate DNAzymes on Gold Nanoparticles for Isothermal Amplification and Detection of Mesothelioma-derived Exosomal PD-L1 mRNA. ○
- 100 HA-tag CD63 is a novel conditional transgenic approach to track extracellular vesicle interactions with sperm and their transfer at conception. **2023**, 13, ○
- 99 Label-Free Identification of Exosomes using Raman Spectroscopy and Machine Learning. 2205519 ○
- 98 Exosomal miR-216a-5p targeting TLR-4 alleviates liver ischemia-reperfusion injury by regulating M2 macrophage polarization and neutrophil inflammation. ○
- 97 Exosomes are involved in iron transport from human blood-brain barrier endothelial cells and are modified by endothelial cell iron status. **2023**, 102868 ○

96	Impact of the flame retardant 2,2',4,4'-tetrabromodiphenyl ether (PBDE-47) in THP-1 macrophage-like cell function via small extracellular vesicles. 13,	0
95	The Machinery of Exosomes: Biogenesis, Release, and Uptake. 2023 , 24, 1337	2
94	Hybrid exosomes, exosome-like nanovesicles and engineered exosomes for therapeutic applications. 2023 , 353, 1127-1149	2
93	Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. 10,	0
92	Effects of mesenchymal stem cell-derived nanovesicles in experimental allergic airway inflammation. 2023 , 24,	0
91	The effects of intravenous remifentanyl on umbilical artery serum-derived exosomes in parturients undergoing epidural anesthesia: a randomized trial. 2023 , 23,	0
90	Circulating exosomal immuno-oncological checkpoints and cytokines are potential biomarkers to monitor tumor response to anti-PD-1/PD-L1 therapy in non-small cell lung cancer patients. 13,	0
89	Isolation of high-purity and high-stability exosomes from ginseng. 13,	1
88	Biochemistry of exosomes and their theranostic potential in human diseases. 2023 , 315, 121369	0
87	Alternative biological sources for extracellular vesicles production and purification strategies for process scale-up. 2023 , 63, 108092	0
86	Mesenchymal stem cell-derived extracellular vesicles carrying miR-99b-3p restrain microglial activation and neuropathic pain by stimulating autophagy. 2023 , 115, 109695	0
85	Sevoflurane-induced POCD-associated exosomes delivered miR-584-5p regulates the growth of human microglia HMC3 cells through targeting BDNF. 2022 , 14, 9890-9907	0
84	Infection-Induced Extracellular Vesicles Evoke Neuronal Transcriptional and Epigenetic Changes.	0
83	A specific technique of immunolabelling of urinary small extracellular vesicle biomarkers for the diagnostic of renal cancer.	0
82	Analysis of regulatory sequences in exosomal DNA of NANO GP8. 2023 , 18, e0280959	0
81	MicroRNA profiling of low concentration extracellular vesicle RNA utilizing NanoString nCounter technology. 2023 , 2,	0
80	Mesenchymal stem cell-derived exosomes ameliorate diabetic kidney disease through the NLRP3 signaling pathway.	0
79	Isolation and characterisation of exosomes from Chinese hamster ovary (CHO) cells.	0

78	Investigation of the Protective Effect of Extracellular Vesicle miR-124 on Retinal Ganglion Cells Using a Photolabile Paper-Based Chip. 2023 , 64, 17	0
77	Immunomagnetic Separation Method Integrated with the Strep-Tag II System for Rapid Enrichment and Mild Release of Exosomes.	0
76	Exosomes: a novel tool for diagnosis and therapy. 2023 , 53-74	0
75	Microfluidic Platform for Profiling of Extracellular Vesicles from Single Breast Cancer Cells.	0
74	Extracellular vesicles and co-isolated endogenous retroviruses differently affect dendritic cells.	0
73	Stem cells, organoids, and cellular therapy. 2023 , 233-263	0
72	Single-cell transcriptomics reveal extracellular vesicles secretion with a cardiomyocyte proteostasis signature during pathological remodeling. 2023 , 6,	0
71	Recent advances in the roles of exosomal microRNAs in neuroblastoma. 12,	0
70	Accelerating corneal wound healing using exosome-mediated targeting of NF- κ B c-Rel. 2023 , 43,	0
69	Advanced micro-/nanotechnologies for exosome encapsulation and targeting in regenerative medicine.	1
68	Electrochemical Genosensing of Overexpressed GAPDH Transcripts in Breast Cancer Exosomes. 2023 , 95, 2487-2495	1
67	Titanium dioxide nanoparticles affect osteoblast-derived exosome cargos and impair osteogenic differentiation of human mesenchymal stem cells.	0
66	Effects of plasma-derived exosomes from the normal and thin Bactrian camels on hepatocellular carcinoma and their differences at transcriptome and proteomics levels. 13,	0
65	Multiplexed analysis of a single EV (MASEV) reveals unique biomarker composition with diagnostic impact.	0
64	Cerebrospinal fluid exosomal microRNAs as biomarkers for diagnosing or monitoring the progression of non-small cell lung cancer with leptomeningeal metastases. 1-22	0
63	Stiff matrix induces exosome secretion to promote tumour growth. 2023 , 25, 415-424	0
62	Extracellular vesicles: A dive into their role in the tumor microenvironment and cancer progression. 11,	0
61	Rejuvenation of tendon stem/progenitor cells for functional tendon regeneration through platelet-derived exosomes loaded with recombinant Yap1. 2023 , 161, 80-99	1

- 60 The Proteome of Large or Small Extracellular Vesicles in Pig Seminal Plasma Differs, Defining Sources and Biological Functions. **2023**, 22, 100514 ○
- 59 Challenges and strategies: Scalable and efficient production of mesenchymal stem cells-derived exosomes for cell-free therapy. **2023**, 319, 121524 ○
- 58 Hybrid Nanoparticle System Integrating Tumor-Derived Exosomes and Poly(amidoamine) Dendrimers: Implications for an Effective Gene Delivery Platform. ○
- 57 Inflammatory macrophage to hepatocyte signals can be prevented by extracellular vesicle reprogramming. ○
- 56 Comparative study of size exclusion chromatography for isolation of small extracellular vesicle from cell-conditioned media, plasma, urine, and saliva. 5, ○
- 55 Engineering exosome-based biomimetic nanovehicles for wound healing. **2023**, 356, 463-480 ○
- 54 Technological aspects of manufacturing and analytical control of biological nanoparticles. **2023**, 64, 108122 ○
- 53 Astrocytes-derived exosomes pre-treated by berberine inhibit neuroinflammation after stroke via miR-182-5p/Rac1 pathway. **2023**, 118, 110047 ○
- 52 The profile of circulating extracellular vesicles depending on the age of the donor potentially drives the rejuvenation or senescence fate of hematopoietic stem cells. **2023**, 175, 112142 ○
- 51 Hepatocyte-derived extracellular vesicles miR-122-5p promotes hepatic ischemia reperfusion injury by regulating Kupffer cell polarization. **2023**, 119, 110060 ○
- 50 Human umbilical cord blood-mesenchymal stem cell derived exosomes as an efficient nanocarrier for Docetaxel and miR-125a: Formulation optimization and anti-metastatic behaviour. **2023**, 322, 121621 ○
- 49 Ligand-displaying-exosomes using RNA nanotechnology for targeted delivery of multi-specific drugs for liver cancer regression. **2023**, 50, 102667 ○
- 48 Salivary exosomes as biomarkers for early diagnosis of oral squamous cell carcinoma. **2023**, 6, 100017 ○
- 47 RNA profile of immuno-magnetically enriched lung cancer associated exosomes isolated from clinical samples. **2023**, 274-275, 59-71 ○
- 46 Characterization of extracellular vesicle and virus-like particles by single vesicle tetraspanin analysis. **2023**, 382, 133547 ○
- 45 Exosomes from Adipose-Derived Stem Cells Alleviate Dexamethasone-Induced Bone Loss by Regulating the Nrf2/HO-1 Axis. **2023**, 2023, 1-20 ○
- 44 A random forest model for predicting exosomal proteins using evolutionary information and motifs. ○
- 43 Uterine Flushing Fluid-Derived Let-7b Targets CXCL10 to Regulate Uterine Receptivity in Goats during Embryo Implantation. **2023**, 24, 2799 ○

- 42 HIV vaccine candidate efficacy in female macaques mediated by cAMP-dependent efferocytosis and V2-specific ADCC. **2023**, 14, ○
- 41 Breast adipose tissue-derived extracellular vesicles from women with obesity stimulate mitochondrial-induced dysregulated tumor cell metabolism. ○
- 40 The Small GTPase Rab7 Regulates Release of Mitochondria in Extracellular Vesicles in Response to Lysosomal Dysfunction. ○
- 39 DYT-TOR1A genotype alters extracellular vesicle composition in murine cell model and shows potential for biomarker discovery. 2, ○
- 38 Differentiation state and culture conditions impact neural stem/progenitor cell-derived extracellular vesicle bioactivity. ○
- 37 Exosomal microRNAs in cancer: Potential biomarkers and immunotherapeutic targets for immune checkpoint molecules. 14, ○
- 36 Increased level of exosomal miR-20b-5p derived from hypothermia-treated microglia promotes neurite outgrowth and synapse recovery after traumatic brain injury. **2023**, 179, 106042 ○
- 35 Wharton Jel Kaynaklı Eksozom İzolasyonu: Metot Karşılaştırılması. **2023**, 152-161 ○
- 34 Emerging role of mesenchymal stem/stromal cells (MSCs) and MSCs-derived exosomes in bone- and joint-associated musculoskeletal disorders: a new frontier. **2023**, 28, ○
- 33 Extracellular Vesicles and MicroRNA in Myelodysplastic Syndromes. **2023**, 12, 658 ○
- 32 Injectable hydrogels for sustained delivery of extracellular vesicles in cartilage regeneration. **2023**, 355, 685-708 ○
- 31 Extracellular vesicles secreted by human gingival mesenchymal stem cells promote bone regeneration in rat femoral bone defects. 11, ○
- 30 Exosomes as natural nanocarrier-based drug delivery system: recent insights and future perspectives. **2023**, 13, ○
- 29 Sorting Of Extracellular Vesicles By Using Optically-Induced Dielectrophoresis On An Integrated Microfluidic Chip. **2023**, ○
- 28 Regenerative potential of different extracellular vesicle subpopulations derived from clonal mesenchymal stem cells in a mouse model of chemotherapy-induced premature ovarian failure. **2023**, 321, 121536 ○
- 27 Role of MSC-derived small extracellular vesicles in tissue repair and regeneration. 10, 2
- 26 Exosomal lncRNA HCG18 contributes to cholangiocarcinoma growth and metastasis through mediating miR-424-5p/SOX9 axis through PI3K/AKT pathway. **2023**, 30, 582-595 ○
- 25 Plant-derived nanovesicles: further exploration of biomedical function and application potential. **2023**, ○

24	Isolation of Structurally Heterogeneous TCR-CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. 2023 , 135,	0
23	Uterine luminal-derived extracellular vesicles: potential nanomaterials to improve embryo implantation. 2023 , 21,	0
22	Isolation of Structurally Heterogeneous TCR-CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. 2023 , 62,	0
21	Comparative Analyses of Human Exosome Proteomes.	1
20	LncRNA CACClnc promotes chemoresistance of colorectal cancer by modulating alternative splicing of RAD51. 2023 , 42, 1374-1391	0
19	The Vault Complex Is Significantly Involved in Therapeutic Responsiveness of Endocrine Tumors and Linked to Autophagy under Chemotherapeutic Conditions. 2023 , 15, 1783	0
18	No-stain protein labeling as a potential normalization marker for small extracellular vesicle proteins. 1-11	0
17	Protein Expression Profiles in Exosomes of Bovine Mammary Epithelial Cell Line MAC-T Infected with Staphylococcus aureus.	0
16	Therapeutic potential of small extracellular vesicles derived from mesenchymal stem cells for spinal cord and nerve injury. 11,	0
15	Astrocyte-Derived Exosomes Contribute to Pathologies of Neuromyelitis Optica Spectrum Disorder in Rodent Model.	0
14	Exosomes derived from mesenchymal stromal cells: a promising treatment for pelvic floor dysfunction. 2023 , 36, 937-949	0
13	Recent Advances in Nano-Drug Delivery Systems for the Treatment of Diabetic Wound Healing. Volume 18, 1537-1560	0
12	Evaluation of four commercial ELISAs to measure tissue factor in human plasma. 2023 , 7, 100133	0
11	Pseudomonas aeruginosa-Derived Extracellular Vesicles Modulate Corneal Inflammation: Role in Microbial Keratitis?. 2023 , 91,	0
10	Rab11A Depletion in Microglia-Derived Extracellular Vesicle Proteome upon Beta-Amyloid Treatment.	0
9	PMMA????????????????????????????????????microRNA??. 2023 , 72, 105-110	0
8	Annexin A3 accelerates osteoclast differentiation by promoting the level of RANK and TRAF6. 2023 , 172, 116758	0
7	Anti-microRNA-1976 as a Novel Approach to Enhance Chemosensitivity in XAF1+ Pancreatic and Liver Cancer. 2023 , 11, 1136	0

- 6 Clinical Application of Exosome Components. ○
- 5 Exosomes: The Surreptitious Intercellular Messengers in the Body. ○
- 4 Exosomal circRNAs as promising liquid biopsy biomarkers for glioma. 14, ○
- 3 Colorectal cancer-derived small extracellular vesicles induce TGF β -mediated epithelial to mesenchymal transition of hepatocytes. **2023**, 23, ○
- 2 Extracellular vesicles from the trematodes *Fasciola hepatica* and *Dicrocoelium dendriticum* trigger different responses in human THP-1 macrophages. **2023**, 12, ○
- 1 WITHDRAWN: A comprehensive review of quantum bioreactor cell manufacture: Research and clinical applications. **2023**, ○