CITATION REPORT List of articles citing

N / 1	• 1	$oldsymbol{c}$.	
Membrane	VACICIAS	as conveyors of immiline resno	വസഭമദ
Wiching and	A COLCICO	as conveyors of immune response	

DOI: 10.1038/nri2567 Nature Reviews Immunology, 2009, 9, 581-93.

Source: https://exaly.com/paper-pdf/46340224/citation-report.pdf

Version: 2024-04-19

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
2255	The immunobiology of cancer immunosurveillance and immunoediting. 2004 , 21, 137-48		2015
2254	Do Neural Cells Communicate with Endothelial Cells via Secretory Exosomes and Microvesicles?. 2009 , 2009, 383086		18
2253	Disease-causing mutations in the cystic fibrosis transmembrane conductance regulator determine the functional responses of alveolar macrophages. 2009 , 284, 35926-38		88
2252	The water channel aquaporin-1 partitions into exosomes during reticulocyte maturation: implication for the regulation of cell volume. 2009 , 114, 3928-34		48
2251	The application of exosomes as a nanoscale cancer vaccine. 2010 , 5, 889-900		101
2250	Reticulocyte membrane remodeling: contribution of the exosome pathway. 2010 , 17, 177-83		46
2249	Structural-mechanical characterization of nanoparticle exosomes in human saliva, using correlative AFM, FESEM, and force spectroscopy. 2010 , 4, 1921-6		244
2248	Cellular phenotype switching and microvesicles. 2010 , 62, 1141-8		98
2247	Intercellular exchange of surface molecules and its physiological relevance. 2010 , 58, 263-72		12
2246	The levels of hypoxia-regulated microRNAs in plasma of pregnant women with fetal growth restriction. 2010 , 31, 781-4		138
2245	CD38 as a molecular compass guiding topographical decisions of chronic lymphocytic leukemia cells. 2010 , 20, 416-23		26
2244	Control of RNA silencing and localization by endolysosomes. 2010 , 20, 491-501		62
2243	Immunoscreening of the extracellular proteome of colorectal cancer cells. 2010 , 10, 70		33
2242	Microvesicle entry into marrow cells mediates tissue-specific changes in mRNA by direct delivery of mRNA and induction of transcription. 2010 , 38, 233-45		169
2241	Stem cell plasticity revisited: the continuum marrow model and phenotypic changes mediated by microvesicles. 2010 , 38, 581-92		82
2240	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
2239	Flow cytometric analysis of circulating microparticles in plasma. 2010 , 77, 502-14		240

(2010-2010)

2238	Antigen processing via autophagynot only for MHC class II presentation anymore?. 2010 , 22, 89-93	84
2237	Proteomic analysis identifies highly antigenic proteins in exosomes from M. tuberculosis-infected and culture filtrate protein-treated macrophages. 2010 , 10, 3190-202	119
2236	Proteomics and the dynamic plasma membrane: Quo Vadis?. 2010 , 10, 3997-4011	17
2235	Membrane microparticle determination: at least seeing what's being sized!. 2010 , 8, 311-4	35
2234	Optical and non-optical methods for detection and characterization of microparticles and exosomes. 2010 , 8, 2596-607	382
2233	MHC class II-associated proteins in B-cell exosomes and potential functional implications for exosome biogenesis. 2010 , 88, 851-6	186
2232	Role of extracellular membrane vesicles in the pathogenesis of various diseases, including cancer, renal diseases, atherosclerosis, and arthritis. 2010 , 90, 1549-57	136
2231	The role of placental exosomes in reproduction. 2010 , 63, 520-33	165
2230	Two Rabs for exosome release. 2010 , 12, 3-4	63
2229	B cell follicles and antigen encounters of the third kind. 2010 , 11, 989-96	225
2228	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010 , 235, 172-89	422
	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive	
2228	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010 , 235, 172-89 Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to	422
2228	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010, 235, 172-89 Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to allergens in the airways. 2010, 65, 1256-65 Preferential transfer of certain plasma membrane proteins onto T and B cells by trogocytosis. 2010,	422
2228 2227 2226	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010, 235, 172-89 Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to allergens in the airways. 2010, 65, 1256-65 Preferential transfer of certain plasma membrane proteins onto T and B cells by trogocytosis. 2010, 5, e8716 [Myeloid-derived suppressor cells: a key player in cancer]. 2010, 26, 576-9	422 19 29
2228 2227 2226 2225	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010, 235, 172-89 Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to allergens in the airways. 2010, 65, 1256-65 Preferential transfer of certain plasma membrane proteins onto T and B cells by trogocytosis. 2010, 5, e8716 [Myeloid-derived suppressor cells: a key player in cancer]. 2010, 26, 576-9	422 19 29
2228 2227 2226 2225	TIM genes: a family of cell surface phosphatidylserine receptors that regulate innate and adaptive immunity. 2010, 235, 172-89 Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to allergens in the airways. 2010, 65, 1256-65 Preferential transfer of certain plasma membrane proteins onto T and B cells by trogocytosis. 2010, 5, e8716 [Myeloid-derived suppressor cells: a key player in cancer]. 2010, 26, 576-9 Unconventional secretion by autophagosome exocytosis. 2010, 188, 451-2 Hypoxic tumor cell modulates its microenvironment to enhance angiogenic and metastatic	422 19 29 4 26

2220	Let-7 microRNA family is selectively secreted into the extracellular environment via exosomes in a metastatic gastric cancer cell line. 2010 , 5, e13247	456
2219	Dendritic cells recruit T cell exosomes via exosomal LFA-1 leading to inhibition of CD8+ CTL responses through downregulation of peptide/MHC class I and Fas ligand-mediated cytotoxicity. 2010 , 185, 5268-78	81
2218	Tumor necrosis factor gene-engineered J558 tumor cell-released exosomes stimulate tumor antigen P1A-specific CD8+ CTL responses and antitumor immunity. 2010 , 25, 21-8	21
2217	The herpes simplex virus-1 encoded glycoprotein B diverts HLA-DR into the exosome pathway. 2010 , 184, 236-43	85
2216	The multivesicular body-localized GTPase ARFA1b/1c is important for callose deposition and ROR2 syntaxin-dependent preinvasive basal defense in barley. 2010 , 22, 3831-44	92
2215	Exosome-driven antigen transfer for MHC class II presentation facilitated by the receptor binding activity of influenza hemagglutinin. 2010 , 185, 6608-16	44
2214	Activation of macrophages by P2X7-induced microvesicles from myeloid cells is mediated by phospholipids and is partially dependent on TLR4. 2010 , 185, 3740-9	53
2213	T cell-induced mast cell activation: a role for microparticles released from activated T cells. 2010 , 185, 4206-12	62
2212	Microparticles: protagonists of a novel communication network for intercellular information exchange. 2010 , 107, 1047-57	637
2211	Leishmania exosomes modulate innate and adaptive immune responses through effects on monocytes and dendritic cells. 2010 , 185, 5011-22	212
2210	Extracellular vesicles from Cryptococcus neoformans modulate macrophage functions. 2010 , 78, 1601-9	178
2209	M-Sec: Emerging secrets of tunneling nanotube formation. 2010 , 3, 231-3	35
2208	Placental exosome-mediated immune protection of the fetus: feeling groovy in a cloud of exosomes. 2010 , 5, 619-634	7
2207	Dendritic cell-derived exosomes for cancer immunotherapy: what's next?. 2010 , 70, 1281-5	223
2206	Proteomics analysis of bladder cancer exosomes. 2010 , 9, 1324-38	301
2205	Intracellular substrate cleavage: a novel dimension in the biochemistry, biology and pathology of matrix metalloproteinases. 2010 , 45, 351-423	212
2204	Membrane vesicles released by intestinal epithelial cells infected with rotavirus inhibit T-cell function. 2010 , 23, 595-608	39
2203	Exosomes from human macrophages and dendritic cells contain enzymes for leukotriene biosynthesis and promote granulocyte migration. 2010 , 126, 1032-40, 1040.e1-4	155

2202	Exosomes: Fit to deliver small RNA. 2010 , 3, 447-50	265
2201	Developmental and cellular functions of the ESCRT machinery in pluricellular organisms. 2010 , 102, 191-202	32
2200	Bystander suppression to unrelated allergen sensitization through intranasal administration of tolerogenic exosomes in mouse. 2010 , 47, 2148-51	16
2199	A membranous form of ICAM-1 on exosomes efficiently blocks leukocyte adhesion to activated endothelial cells. 2010 , 397, 251-6	56
2198	Transmission of circulating cell-free AA amyloid oligomers in exosomes vectors via a prion-like mechanism. 2010 , 400, 559-62	23
2197	MHC class II-associated invariant chain (Ii) modulates dendritic cells-derived microvesicles (DCMV)-mediated activation of microglia. 2010 , 400, 673-8	16
2196	Formation of procoagulant microparticles and properties. 2010 , 125 Suppl 1, S46-8	105
2195	Derivation and characterization of human fetal MSCs: an alternative cell source for large-scale production of cardioprotective microparticles. 2010 , 48, 1215-24	114
2194	Exosomes: Naturally Occurring Minimal Antigen-Presenting Units. 2010 , 305-319	1
2193	TLR2-mediated expansion of MDSCs is dependent on the source of tumor exosomes. 2010 , 177, 1606-10	68
2192	Unconventional secretion of Acb1 is mediated by autophagosomes. 2010 , 188, 527-36	309
2191	Augmented plasma microparticles during acute Plasmodium vivax infection. 2010 , 9, 327	91
2190	Functional delivery of viral miRNAs via exosomes. 2010 , 107, 6328-33	1221
2189	Regulation of exosome secretion by Rab35 and its GTPase-activating proteins TBC1D10A-C. 2010 , 189, 223-32	557
2188	HMGB1 and microparticles as mediators of the immune response to cell death. 2011 , 15, 2209-19	38
2187	The many faces of endothelial microparticles. 2011 , 31, 27-33	474
2186	Selective transfer of exosomes from oligodendrocytes to microglia by macropinocytosis. 2011 , 124, 447-58	548
2185	Exosomes released by melanoma cells prepare sentinel lymph nodes for tumor metastasis. 2011 , 71, 3792-801	74º

2184	Cellular mechanisms underlying the formation of circulating microparticles. 2011 , 31, 15-26	373
2183	Modification and expulsion of keratins by human epidermal keratinocytes upon hapten exposure in vitro. 2011 , 24, 737-43	9
2182	Detection and isolation of cell-derived microparticles are compromised by protein complexes resulting from shared biophysical parameters. 2011 , 117, e39-48	314
2181	Microparticles in angiogenesis: therapeutic potential. 2011 , 109, 110-9	137
2180	Identification of a conserved glycan signature for microvesicles. 2011 , 10, 4624-33	180
2179	Skin-depigmenting agent monobenzone induces potent T-cell autoimmunity toward pigmented cells by tyrosinase haptenation and melanosome autophagy. 2011 , 131, 1240-51	97
2178	The immunomodulatory role of syncytiotrophoblast microvesicles. 2011 , 6, e20245	115
2177	Experimental and Applied Immunotherapy. 2011,	
2176	Exosomes released from M. tuberculosis infected cells can suppress IFN-Imediated activation of naWe macrophages. 2011 , 6, e18564	84
2175	Pre-analytical and analytical issues in the analysis of blood microparticles. 2011 , 105, 396-408	226
2174	The epididymal transcriptome and proteome provide some insights into new epididymal regulations. 2011 , 32, 651-64	62
2173	Mesenchymal stem cell exosome: a novel stem cell-based therapy for cardiovascular disease. 2011 , 6, 481-92	401
2172	Ordering transitions in nematic liquid crystals induced by vesicles captured through ligand-receptor interactions. 2011 , 27, 1419-29	13
2171	Tumor exosome-mediated MDSC activation. 2011 , 178, 1403-4; author reply 1404-5	22
2170	Understanding the mechanism of IL-1 decretion. 2011 , 22, 189-95	571
2169	A method to assess the migration properties of cell-derived microparticles within a living tissue. 2011 , 1810, 863-6	5
2168	Viral miRNAs exploiting the endosomal-exosomal pathway for intercellular cross-talk and immune evasion. 2011 , 1809, 715-21	92
2167	Microparticles as antigenic targets of antibodies to DNA and nucleosomes in systemic lupus erythematosus. 2011 , 36, 173-80	118

(2011-2011)

2166	Rethinking platelet function: thrombocytopenia induced immunodeficiency in critical illness. 2011 , 77, 798-802	20
2165	Characterization of soluble and exosomal forms of the EGFR released from pancreatic cancer cells. 2011 , 89, 304-12	87
2164	Release of exosomes from differentiated neurons and its regulation by synaptic glutamatergic activity. 2011 , 46, 409-18	393
2163	Proteomic characterization of thymocyte-derived microvesicles and apoptotic bodies in BALB/c mice. 2011 , 74, 2025-33	103
2162	GP120-specific exosome-targeted T cell-based vaccine capable of stimulating DC- and CD4(+) T-independent CTL responses. 2011 , 29, 3538-47	29
2161	Increasing vaccine potency through exosome antigen targeting. 2011 , 29, 9361-7	128
2160	Platelet-derived microparticles - an updated perspective. 2011 , 127 Suppl 2, S30-3	59
2159	Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells. 2011 , 2, 282	1246
2158	Monobenzone-induced depigmentation: from enzymatic blockade to autoimmunity. 2011 , 24, 673-9	34
2157	Scott Syndrome: More Than a Hereditary Defect of Plasma Membrane Remodeling. 2011 , 341-352	
2156	Vesicles generated during storage of red blood cells enhance the generation of radical oxygen species in activated neutrophils. 2011 , 11, 173-85	21
2155	Receptor-mediated T cell absorption of antigen presenting cell-derived molecules. 2011 , 16, 411-21	20
2154	Interpreting gene-expression profiles in transplantation: a critical appraisal. 2011 , 2, 98	1
2153	Antigen processing by macroautophagy for MHC presentation. 2011 , 2, 42	13
2152	Microparticles as immune regulators in infectious disease - an opinion. 2011 , 2, 67	14
2151	Tumor-derived exosomes confer antigen-specific immunosuppression in a murine delayed-type hypersensitivity model. 2011 , 6, e22517	88
2150	Expression and rhythmic modulation of circulating microRNAs targeting the clock gene Bmal1 in mice. 2011 , 6, e22586	86
2149	Exosomes from Plasmodium yoelii-infected reticulocytes protect mice from lethal infections. 2011 , 6, e26588	129

2148	RNA-containing exosomes in human nasal secretions. 2011 , 25, 89-93	62
2147	Mast cells as sources and targets of membrane vesicles. 2011 , 17, 3797-804	20
2146	Mechanisms of antigen presentation to T cells in murine graft-versus-host disease: cross-presentation and the appearance of cross-presentation. 2011 , 118, 6426-37	44
2145	Cell-derived vesicles exposing coagulant tissue factor in saliva. 2011 , 117, 3172-80	138
2144	Proteomic analysis of two types of exosomes in human whole saliva. 2011 , 34, 13-23	179
2143	Exosomes: secreted vesicles and intercellular communications. 2011 , 3, 15	620
2142	Exosomes and other microvesicles in infection biology: organelles with unanticipated phenotypes. 2011 , 13, 1-9	154
2141	Exosomes and retroviruses: the chicken or the egg?. 2011 , 13, 10-7	56
2140	The organization of the wall filaments and characterization of the matrix structures of Toxoplasma gondii cyst form. 2011 , 13, 1920-32	50
2139	Ectosomes as modulators of inflammation and immunity. 2011 , 163, 26-32	100
	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68	713
2138	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68	713
2138	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68 Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. 2011 , 589, 6119-27 CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor	713
2138 2137 2136	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68 Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. 2011 , 589, 6119-27 CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor immunity. 2011 , 8, 23-30	713 100 73
2138 2137 2136 2135	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68 Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. 2011 , 589, 6119-27 CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor immunity. 2011 , 8, 23-30 Cross-dressed dendritic cells drive memory CD8+ T-cell activation after viral infection. 2011 , 471, 629-32	713 100 73 204
2138 2137 2136 2135 2134	Exosome secretion: molecular mechanisms and roles in immune responses. 2011, 12, 1659-68 Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. 2011, 589, 6119-27 CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor immunity. 2011, 8, 23-30 Cross-dressed dendritic cells drive memory CD8+ T-cell activation after viral infection. 2011, 471, 629-32 SiRNA delivery with exosome nanoparticles. 2011, 29, 325-6 Caspase-3-dependent export of TCTP: a novel pathway for antiapoptotic intercellular	713 100 73 204 237

2130	Sizing and phenotyping of cellular vesicles using Nanoparticle Tracking Analysis. 2011, 7, 780-8	827
2129	A filtration-based protocol to isolate human plasma membrane-derived vesicles and exosomes from blood plasma. 2011 , 371, 143-51	94
2128	Circulating microRNAs: Association with disease and potential use as biomarkers. 2011 , 80, 193-208	372
2127	The P4-ATPase TAT-5 inhibits the budding of extracellular vesicles in C. elegans embryos. 2011 , 21, 1951-9	130
2126	Exosomes as biomarker treasure chests for prostate cancer. 2011 , 59, 823-31	217
2125	Plasma membrane repair and cellular damage control: the annexin survival kit. 2011 , 81, 703-12	161
2124	Exosomes as intercellular signalosomes and pharmacological effectors. 2011 , 81, 1171-82	406
2123	Gesicles: Microvesicle "cookies" for transient information transfer between cells. 2011 , 19, 1574-6	35
2122	Treatment of brain inflammatory diseases by delivering exosome encapsulated anti-inflammatory drugs from the nasal region to the brain. 2011 , 19, 1769-79	811
2121	Proteolipidic composition of exosomes changes during reticulocyte maturation. 2011 , 286, 34426-39	126
2120	Direct saliva transcriptome analysis. 2011 , 57, 1295-302	44
2119	Brain tumor microvesicles: insights into intercellular communication in the nervous system. 2011 , 31, 949-59	86
2118	Exosomes: immune properties and potential clinical implementations. 2011 , 33, 419-40	374
2117	Exosomes/microvesicles: mediators of cancer-associated immunosuppressive microenvironments. 2011 , 33, 441-54	297
2116	Microvesicles as mediators of intercellular communication in cancerthe emerging science of cellular 'debris'. 2011 , 33, 455-67	391
2115	Membrane vesicles, current state-of-the-art: emerging role of extracellular vesicles. 2011 , 68, 2667-88	1397
2114	Functional interplay between tetraspanins and proteases. 2011 , 68, 3323-35	59
2113	Background K(2P) channels KCNK3/9/15 limit the budding of cell membrane-derived vesicles. 2011 , 61, 585-94	5

2112	form of communication during injury, infection, and cell damage. It is never known how far a controversial finding will go! Dedicated to Ferruccio Ritossa. 2011 , 16, 235-49	199
2111	Fecal Tests: From Blood to Molecular Markers. 2011 , 7, 62-70	16
2110	Interaction and uptake of exosomes by ovarian cancer cells. 2011 , 11, 108	411
2109	Advances in membranous vesicle and exosome proteomics improving biological understanding and biomarker discovery. 2011 , 11, 709-20	217
2108	Proteomic analysis of microvesicles derived from human colorectal cancer ascites. 2011 , 11, 2745-51	129
2107	The role of tetraspanin CD63 in antigen presentation via MHC class II. 2011 , 41, 2556-61	48
2106	Intercellular nanovesicle-mediated microRNA transfer: a mechanism of environmental modulation of hepatocellular cancer cell growth. 2011 , 54, 1237-48	417
2105	Haematopoietic stem cell differentiation promotes the release of prominin-1/CD133-containing membrane vesiclesa role of the endocytic-exocytic pathway. 2011 , 3, 398-409	87
2104	Expression patterns of placental microRNAs. 2011 , 91, 737-43	70
2103	Routes to manipulate MHC class II antigen presentation. 2011 , 23, 88-95	54
	Routes to manipulate MHC class II antigen presentation. 2011 , 23, 88-95 The role of membrane vesicles in tumorigenesis. 2011 , 79, 213-23	54
2102	The role of membrane vesicles in tumorigenesis. 2011 , 79, 213-23 Tumor-derived autophagosome vaccine: induction of cross-protective immune responses against	46
2102	The role of membrane vesicles in tumorigenesis. 2011 , 79, 213-23 Tumor-derived autophagosome vaccine: induction of cross-protective immune responses against short-lived proteins through a p62-dependent mechanism. 2011 , 17, 6467-81 Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains,	46 71
2102 2101 2100	The role of membrane vesicles in tumorigenesis. 2011, 79, 213-23 Tumor-derived autophagosome vaccine: induction of cross-protective immune responses against short-lived proteins through a p62-dependent mechanism. 2011, 17, 6467-81 Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains, intercellular transfer and epigenetic mechanisms. 2011, 31, 315-31 Antileukaemia immunity: effect of exosomes against NB4 acute promyelocytic leukaemia cells.	46 71 18
2102 2101 2100 2099	The role of membrane vesicles in tumorigenesis. 2011, 79, 213-23 Tumor-derived autophagosome vaccine: induction of cross-protective immune responses against short-lived proteins through a p62-dependent mechanism. 2011, 17, 6467-81 Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains, intercellular transfer and epigenetic mechanisms. 2011, 31, 315-31 Antileukaemia immunity: effect of exosomes against NB4 acute promyelocytic leukaemia cells. 2011, 39, 740-7 Biogenesis of the posterior pole is mediated by the exosome/microvesicle protein-sorting pathway.	46 71 18 32
2102 2101 2100 2099 2098	The role of membrane vesicles in tumorigenesis. 2011, 79, 213-23 Tumor-derived autophagosome vaccine: induction of cross-protective immune responses against short-lived proteins through a p62-dependent mechanism. 2011, 17, 6467-81 Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains, intercellular transfer and epigenetic mechanisms. 2011, 31, 315-31 Antileukaemia immunity: effect of exosomes against NB4 acute promyelocytic leukaemia cells. 2011, 39, 740-7 Biogenesis of the posterior pole is mediated by the exosome/microvesicle protein-sorting pathway. 2011, 286, 44162-44176 Effects of progesterone and estradiol sex hormones on the release of microparticles by RAW 264.7	46 71 18 32 66

(2011-2011)

2094	Chemokine-containing exosomes are released from heat-stressed tumor cells via lipid raft-dependent pathway and act as efficient tumor vaccine. 2011 , 186, 2219-28	161
2093	The roles of tumor-derived exosomes in cancer pathogenesis. 2011 , 2011, 842849	210
2092	Recognition of cytoplasmic RNA results in cathepsin-dependent inflammasome activation and apoptosis in human macrophages. 2011 , 186, 3085-92	31
2091	Cutting edge: HLA-DO impairs the incorporation of HLA-DM into exosomes. 2011 , 187, 1547-51	17
2090	Cell-mediated transfer of catalase nanoparticles from macrophages to brain endothelial, glial and neuronal cells. 2011 , 6, 1215-30	55
2089	The CD157-integrin partnership controls transendothelial migration and adhesion of human monocytes. 2011 , 286, 18681-91	37
2088	Insulinoma-released exosomes or microparticles are immunostimulatory and can activate autoreactive T cells spontaneously developed in nonobese diabetic mice. 2011 , 187, 1591-600	74
2087	Inflammatory gout: observations over a half-century. 2011 , 25, 4073-8	26
2086	Microvesicles and viral infection. 2011 , 85, 12844-54	289
2085	Exosomal evasion of humoral immunotherapy in aggressive B-cell lymphoma modulated by ATP-binding cassette transporter A3. 2011 , 108, 15336-41	240
2084	Identification of an inhibitory budding signal that blocks the release of HIV particles and exosome/microvesicle proteins. 2011 , 22, 817-30	52
2083	Tumor-associated a2 vacuolar ATPase acts as a key mediator of cancer-related inflammation by inducing pro-tumorigenic properties in monocytes. 2011 , 186, 1781-9	36
2082	Sterile inflammation of endothelial cell-derived apoptotic bodies is mediated by interleukin-1∃ 2011 , 108, 20684-9	162
2081	Cancer exosomes express CD39 and CD73, which suppress T cells through adenosine production. 2011 , 187, 676-83	356
2080	Exosome targeting of tumor antigens expressed by cancer vaccines can improve antigen immunogenicity and therapeutic efficacy. 2011 , 71, 5235-44	96
2079	The Colorectal Cancer Initiating Cell: Markers and Their Role in Liver Metastasis. 2011 , 89-127	2
2078	Increased levels of circulating endothelial-derived microparticles and small-size platelet-derived microparticles in psoriasis. 2011 , 131, 1573-6	42
2077	Breaking immunological tolerance to melanocyte differentiation antigens by hypopigmenting agents: a new means for melanoma immunotherapy?. 2011 , 131, 1185-7	2

2076	Golgi-SNARE GS28 potentiates cisplatin-induced apoptosis by forming GS28-MDM2-p53 complexes and by preventing the ubiquitination and degradation of p53. 2012 , 444, 303-14	13
2075	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. 2012 , 10, e1001450	800
2074	Tissue factor structure and function. 2012 , 2012, 964862	26
2073	Impact of biofluid viscosity on size and sedimentation efficiency of the isolated microvesicles. 2012 , 3, 162	163
2072	Oncogenic extracellular vesicles in brain tumor progression. 2012 , 3, 294	86
2071	Transfer of vesicles from schwann cells to axons: a novel mechanism of communication in the peripheral nervous system. 2012 , 3, 205	61
2070	Alternative methods for characterization of extracellular vesicles. 2012 , 3, 354	104
2069	Extracellular membrane vesicles and immune regulation in the brain. 2012 , 3, 117	39
2068	Role of exosomes/microvesicles in the nervous system and use in emerging therapies. 2012 , 3, 228	207
2067	Physical Control Over Endocytosis. 2012 , 123-149	5
2066	Microvesicles: potential markers and mediators of endothelial dysfunction. 2012 , 19, 121-7	57
2065	Characterization of membrane-shed microvesicles from cytokine-stimulated Etells using proteomics strategies. 2012 , 11, 230-43	84
2064	TLR4 signaling induces the release of microparticles by tumor cells that regulate inflammatory cytokine IL-6 of macrophages via microRNA let-7b. 2012 , 1, 687-693	38
2063	Cancer cells use exosomes as tools to manipulate immunity and the microenvironment. 2012 , 1, 78-80	30
2062	Platelet-derived microvesicles: multitalented participants in intercellular communication. 2012 , 38, 102-13	122
2061	Targeting the MHC Class II antigen presentation pathway in cancer immunotherapy. 2012 , 1, 908-916	92
2060	Secretomic analysis identifies alpha-1 antitrypsin (A1AT) as a required protein in cancer cell migration, invasion, and pericellular fibronectin assembly for facilitating lung colonization of lung adenocarcinoma cells. 2012 , 11, 1320-39	56
2059	Cancer cells induced to express mesenchymal phenotype release exosome-like extracellular vesicles carrying tissue factor. 2012 , 287, 43565-72	111

2058 Proteomic analysis of microvesicles released by the human prostate cancer cell line PC-3. **2012**, 11, M111.0129

2057 li	mmunosuppressive exosomes: a new approach for treating arthritis. 2012 , 2012, 573528	59
	Proteolytic Potential of the MSC Exosome Proteome: Implications for an Exosome-Mediated Delivery of Therapeutic Proteasome. 2012 , 2012, 971907	310
	Quantitative proteomics of extracellular vesicles derived from human primary and metastatic olorectal cancer cells. 2012 , 1,	88
	nduction of type I IFN is a physiological immune reaction to apoptotic cell-derived membrane nicroparticles. 2012 , 189, 1747-56	44
	formation and release of arrestin domain-containing protein 1-mediated microvesicles (ARMMs) at slasma membrane by recruitment of TSG101 protein. 2012 , 109, 4146-51	395
2052 N	MicroRNAs are exported from malignant cells in customized particles. 2012 , 40, 9125-38	171
	Deep sequencing of RNA from immune cell-derived vesicles uncovers the selective incorporation of mall non-coding RNA biotypes with potential regulatory functions. 2012 , 40, 9272-85	462
	dentification of distinct populations of prostasomes that differentially express prostate stem cell ntigen, annexin A1, and GLIPR2 in humans. 2012 , 86, 82	153
2049 T	etraspanins: gateways for infection. 2012 , 12, 4-17	59
2048 N	Mast cells in allergic and inflammatory diseases. 2012 , 18, 2261-77	63
2047 li	mmune cell-derived vesicles: modulators and mediators of inflammation. 2012 , 18, 2357-68	27
2046 E	xosomal miRNAs: Biological Properties and Therapeutic Potential. 2012 , 3, 56	243
	cell-mediated modulation of mast cell function: heterotypic adhesion-induced stimulatory or hibitory effects. 2012 , 3, 6	20
	Different roles of mast cells in obesity and diabetes: lessons from experimental animals and numans. 2012 , 3, 7	41
2043 E	xoCarta as a resource for exosomal research. 2012 , 1,	240
	D4(+) T cell activation promotes the differential release of distinct populations of nanosized esicles. 2012 , 1,	62
	Diverse subpopulations of vesicles secreted by different intracellular mechanisms are present in exosome preparations obtained by differential ultracentrifugation. 2012 , 1,	360

2040	Absence of BRAF-V600E in the human cell lines BONNA-12, ESKOL, HAIR-M, and HC-1 questions their origin from hairy cell leukemia. 2012 , 119, 5332-3	15
2039	Programmed vesicle transfer of green fluorescent protein from a stably transduced cell line to primary hematopoietic cells. 2012 , 119, 5330-2	2
2038	Antigen stored in dendritic cells after macropinocytosis is released unprocessed from late endosomes to target B cells. 2012 , 119, 95-105	39
2037	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. 2012 , 18, 1835-40	521
2036	Vesicles as carriers of virulence factors in parasitic protozoan diseases. 2012 , 14, 1465-74	62
2035	Emerging roles of non-coding RNAs in pancreatic Eell function and dysfunction. 2012, 14 Suppl 3, 12-21	69
2034	Short-range exosomal transfer of viral RNA from infected cells to plasmacytoid dendritic cells triggers innate immunity. 2012 , 12, 558-70	345
2033	Cellular biomarkers of endothelial health: microparticles, endothelial progenitor cells, and circulating endothelial cells. 2012 , 6, 85-99	144
2032	Exosome release of ADAM15 and the functional implications of human macrophage-derived ADAM15 exosomes. 2012 , 26, 3084-95	38
2031	Delivery of chemotherapeutic drugs in tumour cell-derived microparticles. 2012 , 3, 1282	281
2030	Exosomes mediate stromal mobilization of autocrine Wnt-PCP signaling in breast cancer cell migration. 2012 , 151, 1542-56	906
2029	Systemic in vivo lentiviral delivery of miR-15a/16 reduces malignancy in the NZB de novo mouse model of chronic lymphocytic leukemia. 2012 , 13, 109-19	49
2028	Rab27a supports exosome-dependent and -independent mechanisms that modify the tumor microenvironment and can promote tumor progression. 2012 , 72, 4920-30	404
2027	Phosphatidylserine-expressing cell by-products in transfusion: A pro-inflammatory or an anti-inflammatory effect?. 2012 , 19, 90-7	35
2026	Myeloid microvesicles are a marker and therapeutic target for neuroinflammation. 2012 , 72, 610-24	201
2025	New insights into antigen encounter by B cells. 2012 , 217, 1285-91	7
2024	Microparticle content of plasma for transfusion is influenced by the whole blood hold conditions: pre-analytical considerations for proteomic investigations. 2012 , 76 Spec No., 211-9	17
2023	In-depth analysis of the secretome identifies three major independent secretory pathways in differentiating human myoblasts. 2012 , 77, 344-56	97

2022	Quantitative proteome profiling of normal human circulating microparticles. 2012 , 11, 2154-63	45
2021	The innate immune response in reperfused myocardium. 2012 , 94, 276-83	179
2020	A direct extraction method for microRNAs from exosomes captured by immunoaffinity beads. 2012 , 431, 96-8	50
2019	SERS analysis on exosomes using super-hydrophobic surfaces. 2012 , 97, 337-340	55
2018	Comparative and targeted proteomic analyses of urinary microparticles from bladder cancer and hernia patients. 2012 , 11, 5611-29	150
2017	Exosomes: cell garbage can, therapeutic carrier, or trojan horse?. 2012 , 126, 2553-5	38
2016	Mechanism of transfer of functional microRNAs between mouse dendritic cells via exosomes. 2012 , 119, 756-66	945
2015	Exosomes and immune surveillance of neoplastic lesions: a review. 2012 , 87, 161-8	47
2014	The protein interaction network of extracellular vesicles derived from human colorectal cancer cells. 2012 , 11, 1144-51	58
2013	Plasma membrane-derived microvesicles released from tip endothelial cells during vascular sprouting. 2012 , 15, 761-9	16
2012	Comparative secretome analyses using a hollow fiber culture system with label-free quantitative proteomics indicates the influence of PARK7 on cell proliferation and migration/invasion in lung adenocarcinoma. 2012 , 11, 5167-85	17
2011	Circulating tissue factor positive microparticles in patients with acute recurrent deep venous thrombosis. 2012 , 130, 253-8	39
2010	Circulating microparticles do not all share biophysical light scatter properties with immune complexes when analyzed by flow cytometry. 2012 , 120, 1528-9	5
2009	Acquisition of MHC:peptide complexes by dendritic cells contributes to the generation of antiviral CD8+ T cell immunity in vivo. 2012 , 189, 2274-82	35
2008	Immune surveillance properties of human NK cell-derived exosomes. 2012 , 189, 2833-42	260
2007	Different modalities of intercellular membrane exchanges mediate cell-to-cell p-glycoprotein transfers in MCF-7 breast cancer cells. 2012 , 287, 7374-87	92
2006	Exosomes and microvesicles: extracellular vesicles for genetic information transfer and gene therapy. 2012 , 21, R125-34	632
2005	The expression profile of C19MC microRNAs in primary human trophoblast cells and exosomes. 2012 , 18, 417-24	225

2004	Therapeutic potential of mesenchymal stem cell-derived microvesicles. 2012 , 27, 3037-42	313
2003	Progenitor/stem cell fate determination: interactive dynamics of cell cycle and microvesicles. 2012 , 21, 1627-38	39
2002	Exosome mimetics: a novel class of drug delivery systems. 2012 , 7, 1525-41	258
2001	Tumor-derived microvesicles: shedding light on novel microenvironment modulators and prospective cancer biomarkers. 2012 , 26, 1287-99	371
2000	Exosomes as biomarker enriched microvesicles: characterization of exosomal proteins derived from a panel of prostate cell lines with distinct AR phenotypes. 2012 , 11, 863-85	164
1999	Exosomes isolated from mycobacteria-infected mice or cultured macrophages can recruit and activate immune cells in vitro and in vivo. 2012 , 189, 777-85	128
1998	Tumor cell cross talk with tumor-associated leukocytes leads to induction of tumor exosomal fibronectin and promotes tumor progression. 2012 , 180, 390-8	34
1997	Proteomic analysis of microvesicles in human saliva by gel electrophoresis with liquid chromatography-mass spectrometry. 2012 , 723, 61-7	51
1996	Microvesicles derived from mesenchymal stem cells: potent organelles for induction of tolerogenic signaling. 2012 , 147, 47-54	204
1995	Dynamics and 3D organization of secretory organelles of Toxoplasma gondii. 2012 , 177, 420-30	43
1995 1994	Dynamics and 3D organization of secretory organelles of Toxoplasma gondii. 2012 , 177, 420-30 Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012 , 1820, 940-8	1295
	Exosomes: current knowledge of their composition, biological functions, and diagnostic and	
1994	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012 , 1820, 940-8 CED-1, CED-7, and TTR-52 regulate surface phosphatidylserine expression on apoptotic and	1295
1994 1993	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012, 1820, 940-8 CED-1, CED-7, and TTR-52 regulate surface phosphatidylserine expression on apoptotic and phagocytic cells. 2012, 22, 1267-75 Fluorescent labeling of nano-sized vesicles released by cells and subsequent quantitative and	1295 60
1994 1993 1992	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012, 1820, 940-8 CED-1, CED-7, and TTR-52 regulate surface phosphatidylserine expression on apoptotic and phagocytic cells. 2012, 22, 1267-75 Fluorescent labeling of nano-sized vesicles released by cells and subsequent quantitative and qualitative analysis by high-resolution flow cytometry. 2012, 7, 1311-26 Quantitative and qualitative flow cytometric analysis of nanosized cell-derived membrane vesicles.	1295 60 367
1994 1993 1992 1991	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012, 1820, 940-8 CED-1, CED-7, and TTR-52 regulate surface phosphatidylserine expression on apoptotic and phagocytic cells. 2012, 22, 1267-75 Fluorescent labeling of nano-sized vesicles released by cells and subsequent quantitative and qualitative analysis by high-resolution flow cytometry. 2012, 7, 1311-26 Quantitative and qualitative flow cytometric analysis of nanosized cell-derived membrane vesicles. 2012, 8, 712-20 Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture	1295 60 367 189
1994 1993 1992 1991 1990	Exosomes: current knowledge of their composition, biological functions, and diagnostic and therapeutic potentials. 2012, 1820, 940-8 CED-1, CED-7, and TTR-52 regulate surface phosphatidylserine expression on apoptotic and phagocytic cells. 2012, 22, 1267-75 Fluorescent labeling of nano-sized vesicles released by cells and subsequent quantitative and qualitative analysis by high-resolution flow cytometry. 2012, 7, 1311-26 Quantitative and qualitative flow cytometric analysis of nanosized cell-derived membrane vesicles. 2012, 8, 712-20 Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. 2012, 56, 293-304	1295 60 367 189

(2012-2012)

1986	Proteomic analysis of HIV-1 Nef cellular binding partners reveals a role for exocyst complex proteins in mediating enhancement of intercellular nanotube formation. 2012 , 9, 33	65
1985	Blood-borne macrophage-neural cell interactions hitchhike on endosome networks for cell-based nanozyme brain delivery. 2012 , 7, 815-33	39
1984	Liposomes and Other Nanoparticles as Cancer Vaccines and Immunotherapeutics. 2012, 135-178	1
1983	Exosomal RNA as biomarkers and the therapeutic potential of exosome vectors. 2012 , 12 Suppl 1, S189-97	96
1982	Eosinophil crystalloid granules: structure, function, and beyond. 2012 , 92, 281-8	55
1981	Circulating microparticles as disease-specific biomarkers of severity of inflammation in patients with hepatitis C or nonalcoholic steatohepatitis. 2012 , 143, 448-58	137
1980	Effects of subtoxic concentrations of TiO2 and ZnO nanoparticles on human lymphocytes, dendritic cells and exosome production. 2012 , 264, 94-103	72
1979	Novel roles for Erystallins in retinal function and disease. 2012 , 31, 576-604	91
1978	Leishmania virulence factors: focus on the metalloprotease GP63. 2012 , 14, 1377-89	118
1977	Emerging roles of exosomes in neuron-glia communication. 2012 , 3, 119	184
1976	ARRDC1 as a mediator of microvesicle budding. 2012 , 109, 4025-6	24
1975	Microvesicle-associated AAV vector as a novel gene delivery system. 2012 , 20, 960-71	188
1974	Microfluidic filtration system to isolate extracellular vesicles from blood. 2012 , 12, 5202-10	252
1973	Caveolins in Cancer Pathogenesis, Prevention and Therapy. 2012,	1
1972	HIV Pol inhibits HIV budding and mediates the severe budding defect of Gag-Pol. 2012 , 7, e29421	12
1971	Medulloblastoma exosome proteomics yield functional roles for extracellular vesicles. 2012 , 7, e42064	90
1970	Circulating endothelial cells and microparticles as prognostic markers in advanced non-small cell lung cancer. 2012 , 7, e47365	54
1969	Comprehensive miRNA expression analysis in peripheral blood can diagnose liver disease. 2012 , 7, e48366	122

1968	Improved flow cytometric assessment reveals distinct microvesicle (cell-derived microparticle) signatures in joint diseases. 2012 , 7, e49726	111
1967	Docetaxel-resistance in prostate cancer: evaluating associated phenotypic changes and potential for resistance transfer via exosomes. 2012 , 7, e50999	312
1966	Extracellular vesicles and their convergence with viral pathways. 2012 , 2012, 767694	92
1965	Mast cell synapses and exosomes: membrane contacts for information exchange. 2012 , 3, 46	52
1964	Placenta-Derived Exosomes and Their Role in the Immune Protection of the Fetus. 2012,	3
1963	Stable cell fate changes in marrow cells induced by lung-derived microvesicles. 2012, 1,	37
1962	Stem Cell-Derived Microvesicles: A Cell Free Therapy Approach to the Regenerative Medicine. 2012 , 1, 11-22	2
1961	Peripheral blood microRNAs: A novel tool for diagnosing disease?. 2012 , 1, 98-102	6
1960	Multidimensional Proteomics for the Identification of Endothelial Post Mortem Signals of Importance in Vascular Remodeling. 2012 ,	
1959	Diversity of Virus-Like Particles in Parasitoids[Venom. 2012 , 181-192	9
1959 1958		9 37 ¹
1958	Immune-related microRNAs are abundant in breast milk exosomes. 2012, 8, 118-23 The Roles of ESCRT Proteins in Healthy Cells and in Disease. 2012, Correlation between platelet-derived microparticle enumeration by flow cytometry and	371
1958 1957	Immune-related microRNAs are abundant in breast milk exosomes. 2012 , 8, 118-23 The Roles of ESCRT Proteins in Healthy Cells and in Disease. 2012 , Correlation between platelet-derived microparticle enumeration by flow cytometry and phospholipid-dependent procoagulant activity in microparticles: the centrifugation step matters!.	371
1958 1957 1956	Immune-related microRNAs are abundant in breast milk exosomes. 2012, 8, 118-23 The Roles of ESCRT Proteins in Healthy Cells and in Disease. 2012, Correlation between platelet-derived microparticle enumeration by flow cytometry and phospholipid-dependent procoagulant activity in microparticles: the centrifugation step matters!. 2012, 107, 1185-7	371 1 21
1958 1957 1956 1955	Immune-related microRNAs are abundant in breast milk exosomes. 2012, 8, 118-23 The Roles of ESCRT Proteins in Healthy Cells and in Disease. 2012, Correlation between platelet-derived microparticle enumeration by flow cytometry and phospholipid-dependent procoagulant activity in microparticles: the centrifugation step matters!. 2012, 107, 1185-7 Identification and proteomic profiling of exosomes in human cerebrospinal fluid. 2012, 10, 5 Exosomes as extrapulmonary signaling conveyors for nanoparticle-induced systemic immune	371 1 21 315
1958 1957 1956 1955	Immune-related microRNAs are abundant in breast milk exosomes. 2012, 8, 118-23 The Roles of ESCRT Proteins in Healthy Cells and in Disease. 2012, Correlation between platelet-derived microparticle enumeration by flow cytometry and phospholipid-dependent procoagulant activity in microparticles: the centrifugation step matters!. 2012, 107, 1185-7 Identification and proteomic profiling of exosomes in human cerebrospinal fluid. 2012, 10, 5 Exosomes as extrapulmonary signaling conveyors for nanoparticle-induced systemic immune activation. 2012, 8, 404-12	371 1 21 315 80

(2012-2012)

1950	Nanoparticle-induced exosomes target antigen-presenting cells to initiate Th1-type immune activation. 2012 , 8, 2841-8		56
1949	Mechanism of evenness interrupted (Evi)-exosome release at synaptic boutons. 2012 , 287, 16820-34		189
1948	Importance of RNA isolation methods for analysis of exosomal RNA: evaluation of different methods. 2012 , 50, 278-86		156
1947	Intercellular communication: diverse structures for exchange of genetic information. 2012 , 13, 328-35		447
1946	Functional transfer of microRNA by exosomes. 2012 , 119, 646-8		131
1945	Cross-presentation by dendritic cells. <i>Nature Reviews Immunology</i> , 2012 , 12, 557-69	36.5	968
1944	Myeloma as a model for the process of metastasis: implications for therapy. 2012 , 120, 20-30		139
1943	Plasma-derived MHC class II+ exosomes from tumor-bearing mice suppress tumor antigen-specific immune responses. 2012 , 42, 1778-84		39
1942	Human T -cell responses in infection and immunotherapy: common mechanisms, common mediators?. 2012 , 42, 1668-76		43
1941	Tumor cell-derived exosomes: a message in a bottle. 2012 , 1826, 103-11		179
1940	Microglial microvesicle secretion and intercellular signaling. 2012 , 3, 149		118
1939	Endocytosis and intracellular trafficking as gateways for nanomedicine delivery: opportunities and challenges. 2012 , 9, 2380-402		255
1938	Extracellular vesiclesvehicles that spread cancer genes. 2012 , 34, 489-97		130
1937	Classification, functions, and clinical relevance of extracellular vesicles. 2012 , 64, 676-705		1123
1936	microRNAs in the regulation of dendritic cell functions in inflammation and atherosclerosis. 2012 , 90, 877-85		23
1935	Integration of MicroRNA databases to study MicroRNAs associated with multiple sclerosis. 2012 , 45, 520-35		42
1934	New perspectives of tissue remodelling with neural stem and progenitor cell-based therapies. 2012 , 349, 321-9		53
1933	MHC class I dimer formation by alteration of the cellular redox environment and induction of apoptosis. 2012 , 135, 133-9		13

1932	The search for endogenous siRNAs in the mammalian brain. 2012 , 235, 455-63	12
1931	A membrane vesicle-based dual vaccine against melanoma and Lewis lung carcinoma. 2012 , 33, 6147-54	33
1930	Differential regulation of acid sphingomyelinase in macrophages stimulated with oxidized low-density lipoprotein (LDL) and oxidized LDL immune complexes: role in phagocytosis and cytokine release. 2012 , 136, 30-45	33
1929	Nanoparticle tracking analysis monitors microvesicle and exosome secretion from immune cells. 2012 , 136, 192-7	201
1928	The multi-faceted nature of HLA class I dimer molecules. 2012 , 136, 380-4	20
1927	Prostasomes are mediators of intercellular communication: from basic research to clinical implications. 2012 , 271, 400-13	96
1926	The molecular legacy of apoptosis in transplantation. 2012 , 12, 1378-84	14
1925	Targeting stroma to treat cancers. 2012 , 22, 41-9	61
1924	Recent advances on the role of tumor exosomes in immunosuppression and disease progression. 2012 , 22, 342-9	205
1923	Concepts of metastasis in flux: the stromal progression model. 2012 , 22, 174-86	63
1923 1922	Concepts of metastasis in flux: the stromal progression model. 2012 , 22, 174-86 Bovine milk exosome proteome. 2012 , 75, 1486-92	63 160
1922	Bovine milk exosome proteome. 2012 , 75, 1486-92 Mycobacterium tuberculosis-induced neutrophil ectosomes decrease macrophage activation. 2012 ,	160
1922	Bovine milk exosome proteome. 2012, 75, 1486-92 Mycobacterium tuberculosis-induced neutrophil ectosomes decrease macrophage activation. 2012, 92, 218-25 Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery.	160 18
1922 1921 1920	Bovine milk exosome proteome. 2012, 75, 1486-92 Mycobacterium tuberculosis-induced neutrophil ectosomes decrease macrophage activation. 2012, 92, 218-25 Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery. 2012, 161, 635-44 Microvesicle and tunneling nanotube mediated intercellular transfer of g-protein coupled	160 18 290
1922 1921 1920	Bovine milk exosome proteome. 2012, 75, 1486-92 Mycobacterium tuberculosis-induced neutrophil ectosomes decrease macrophage activation. 2012, 92, 218-25 Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery. 2012, 161, 635-44 Microvesicle and tunneling nanotube mediated intercellular transfer of g-protein coupled receptors in cell cultures. 2012, 318, 603-13 Bronchoalveolar lavage fluid exosomes contribute to cytokine and leukotriene production in	160 18 290 54
1922 1921 1920 1919	Bovine milk exosome proteome. 2012, 75, 1486-92 Mycobacterium tuberculosis-induced neutrophil ectosomes decrease macrophage activation. 2012, 92, 218-25 Microvesicles and exosomes: opportunities for cell-derived membrane vesicles in drug delivery. 2012, 161, 635-44 Microvesicle and tunneling nanotube mediated intercellular transfer of g-protein coupled receptors in cell cultures. 2012, 318, 603-13 Bronchoalveolar lavage fluid exosomes contribute to cytokine and leukotriene production in allergic asthma. 2012, 67, 911-9 RNA expression patterns in serum microvesicles from patients with glioblastoma multiforme and	160 18 290 54 138

(2013-2012)

1914	Potential role of HER2-overexpressing exosomes in countering trastuzumab-based therapy. 2012 , 227, 658-67	325
1913	Interferon-Istimulates p11-dependent surface expression of annexin A2 in lung epithelial cells to enhance phagocytosis. 2012 , 227, 2775-87	33
1912	Phenotype, function and clinical implications of myeloid-derived suppressor cells in cancer patients. 2012 , 61, 255-263	206
1911	Exosomes released by K562 chronic myeloid leukemia cells promote angiogenesis in a Src-dependent fashion. 2012 , 15, 33-45	204
1910	Frontiers in preclinical safety biomarkers: microRNAs and messenger RNAs. 2013, 41, 18-31	30
1909	Microparticle detection in platelet products by three different methods. 2013 , 53, 156-66	26
1908	Parasitism in optima forma: exploiting the host fibrinolytic system for invasion. 2013 , 128, 116-23	32
1907	FedExosomes: Engineering Therapeutic Biological Nanoparticles that Truly Deliver. 2013 , 6, 659-80	139
1906	Circulating MicroRNAs. 2013,	2
1905	Exosomes mediate the cell-to-cell transmission of IFN-Induced antiviral activity. 2013, 14, 793-803	367
1904	CD9-positive microvesicles mediate the transfer of molecules to Bovine Spermatozoa during epididymal maturation. 2013 , 8, e65364	79
1903	Role of stem-cell-derived microvesicles in the paracrine action of stem cells. 2013 , 41, 283-7	154
1902	Revisited role of microparticles in arterial and venous thrombosis. 2013 , 11 Suppl 1, 24-35	90
1901	Circulating microparticles: square the circle. 2013 , 14, 23	165
1900	Characterization of human plasma-derived exosomal RNAs by deep sequencing. 2013, 14, 319	662
1899	Proteomic techniques for characterisation of mesenchymal stem cell secretome. 2013 , 95, 2196-211	196
1898	Vesicle Trafficking in Cancer. 2013 ,	1
1897	Cell-cell communication via extracellular membrane vesicles and its role in the immune response. 2013 , 36, 105-11	52

1896	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
1895	Bioinspired exosome-mimetic nanovesicles for targeted delivery of chemotherapeutics to malignant tumors. 2013 , 7, 7698-710	534
1894	Schwann cell-derived exosomes enhance axonal regeneration in the peripheral nervous system. 2013 , 61, 1795-806	226
1893	Tumor cell-derived exosome-targeted dendritic cells stimulate stronger CD8+ CTL responses and antitumor immunities. 2013 , 436, 60-5	49
1892	The glia doctrine: addressing the role of glial cells in healthy brain ageing. 2013, 134, 449-59	23
1891	Liposome-like Nanostructures for Drug Delivery. 2013 , 1,	127
1890	Body fluid exosomes promote secretion of inflammatory cytokines in monocytic cells via Toll-like receptor signaling. 2013 , 288, 36691-702	167
1889	Exosome release from infected dendritic cells: a clue for a fast spread of prions in the periphery?. 2013 , 67, 359-68	20
1888	Human adipose tissue-derived mesenchymal stem cells secrete functional neprilysin-bound exosomes. 2013 , 3, 1197	329
1887	Magnetic nanosensor for detection and profiling of erythrocyte-derived microvesicles. 2013 , 7, 11227-33	77
1886	Membrane vesicles nucleate mineralo-organic nanoparticles and induce carbonate apatite precipitation in human body fluids. 2013 , 288, 30571-30584	26
1885	Tumor-stroma interaction: Revealing fibroblast-secreted exosomes as potent regulators of Wnt-planar cell polarity signaling in cancer metastasis. 2013 , 73, 6843-7	125
1884	Sumoylated hnRNPA2B1 controls the sorting of miRNAs into exosomes through binding to specific motifs. 2013 , 4, 2980	1109
1883	Adrenergic regulation of IgE involves modulation of CD23 and ADAM10 expression on exosomes. 2013 , 191, 5383-97	19
1882	Neuronal exosomal miRNA-dependent translational regulation of astroglial glutamate transporter GLT1. 2013 , 288, 7105-16	249
1881	MicroRNA-containing microvesicles regulating inflammation in association with atherosclerotic disease. 2013 , 100, 7-18	246
1880	LRRK2 secretion in exosomes is regulated by 14-3-3. 2013 , 22, 4988-5000	122
1879	False-positive immunogenicity responses are caused by CD20+ B cell membrane fragments in an anti-ofatumumab antibody bridging assay. 2013 , 394, 22-31	23

(2013-2013)

1878	signalling. 2013 , 13, 1572-80	121
1877	Ectosomes of polymorphonuclear neutrophils activate multiple signaling pathways in macrophages. 2013 , 218, 382-92	58
1876	Plasma extracellular vesicle protein content for diagnosis and prognosis of global cardiovascular disease. 2013 , 21, 467-71	20
1875	Neutrophil intercellular communication in acute lung injury. Emerging roles of microparticles and gap junctions. 2013 , 49, 1-5	51
1874	Mesenchymal stem cell derived microvesicles: trophic shuttles for enhancement of sperm quality parameters. 2013 , 42, 78-84	24
1873	Exosomes carrying mycobacterial antigens can protect mice against Mycobacterium tuberculosis infection. 2013 , 43, 3279-90	103
1872	Renal carcinoma cell-derived exosomes induce human immortalized line of Jurkat T lymphocyte apoptosis in vitro. 2013 , 91, 363-9	26
1871	Electroporation-induced siRNA precipitation obscures the efficiency of siRNA loading into extracellular vesicles. 2013 , 172, 229-238	333
1870	Exosomes: the future of biomarkers in medicine. 2013 , 7, 769-78	282
1869	Qualitative changes in the proteome of extracellular vesicles accompanying cancer cell transition to mesenchymal state. 2013 , 319, 2747-57	64
1868	Gateway to understanding microparticles: standardized isolation and identification of plasma membrane-derived vesicles. 2013 , 8, 1657-68	34
1867	Aging enhances release of exosomal cytokine mRNAs by Aff-42-stimulated macrophages. 2013 , 27, 5141-50	55
1866	Future of biosensors: a personal view. 2014 , 140, 1-28	9
1865	Insulinoma-released exosomes activate autoreactive marginal zone-like B cells that expand endogenously in prediabetic NOD mice. 2013 , 43, 2588-97	45
1864	Epididymosomes convey different repertoires of microRNAs throughout the bovine epididymis. 2013 , 89, 30	112
1863	Stromal-cell and cancer-cell exosomes leading the metastatic exodus for the promised niche. 2013 , 15, 310	29
1862	Mutation of SIMPLE in Charcot-Marie-Tooth 1C alters production of exosomes. 2013 , 24, 1619-37, S1-3	62
1861	Microparticles: biomarkers and beyond. 2013 , 124, 423-41	249

1860	Proteomic analysis of Trypanosoma cruzi secretome: characterization of two populations of extracellular vesicles and soluble proteins. 2013 , 12, 883-97	167
1859	The Cell Biology of Exosomes: Historical and Perspectives. 2013, 1-32	1
1858	Exosomes as nano-theranostic delivery platforms for gene therapy. 2013 , 65, 357-67	166
1857	Exosomal Lipids in Cell¶ell Communication. 2013, 47-68	8
1856	Circulating Cell-derived Vesicles Mediate Tumor Progression. 2013, 131-148	
1855	Extracellular vesicles in physiological and pathological conditions. 2013 , 27, 31-9	316
1854	Genetics and pharmacogenomics of diffuse gliomas. 2013, 137, 78-88	6
1853	Exosomes are endogenous nanoparticles that can deliver biological information between cells. 2013 , 65, 342-7	170
1852	Proteomics, transcriptomics and lipidomics of exosomes and ectosomes. 2013 , 13, 1554-71	341
1851	Mesenchymal Stem Cell Therapy. 2013 ,	4
	Mesenchymal Stem Cell Therapy. 2013, Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013, 52, 356-69	4
	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013 , 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic	
1850	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013 , 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic cells which is disturbed in SLE. 2013 , 40, 86-95	64
1850 1849	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013 , 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic cells which is disturbed in SLE. 2013 , 40, 86-95 CD133 as a biomarker for putative cancer stem cells in solid tumours: limitations, problems and	64
1850 1849 1848	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013, 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic cells which is disturbed in SLE. 2013, 40, 86-95 CD133 as a biomarker for putative cancer stem cells in solid tumours: limitations, problems and challenges. 2013, 229, 355-78 Microparticles and acute renal dysfunction in septic patients. 2013, 28, 141-7	64 22 211
1850 1849 1848	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013, 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic cells which is disturbed in SLE. 2013, 40, 86-95 CD133 as a biomarker for putative cancer stem cells in solid tumours: limitations, problems and challenges. 2013, 229, 355-78 Microparticles and acute renal dysfunction in septic patients. 2013, 28, 141-7 Antigen-specific, antibody-coated, exosome-like nanovesicles deliver suppressor T-cell	642221133
1850 1849 1848 1847 1846	Cell-free microRNAs as diagnostic, prognostic, and predictive biomarkers for lung cancer. 2013, 52, 356-69 Apoptotic-cell-derived membrane vesicles induce an alternative maturation of human dendritic cells which is disturbed in SLE. 2013, 40, 86-95 CD133 as a biomarker for putative cancer stem cells in solid tumours: limitations, problems and challenges. 2013, 229, 355-78 Microparticles and acute renal dysfunction in septic patients. 2013, 28, 141-7 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 The recently identified hexosaminidase D enzyme substantially contributes to the elevated	64 22 211 33 150

1842	Oncogenic H-ras reprograms Madin-Darby canine kidney (MDCK) cell-derived exosomal proteins following epithelial-mesenchymal transition. 2013 , 12, 2148-59	134
1841	Secretion of microvesicular miRNAs in cellular and organismal aging. 2013 , 48, 626-33	64
1840	Revealing the mechanism of tissue damage due to tobacco use: finally, a smoking gun?. 2013 , 182, 1489-93	11
1839	Label-free optical monitoring of surface adhesion of extracellular vesicles by grating coupled interferometry. 2013 , 188, 697-701	23
1838	Extracellular vesicles: exosomes, microvesicles, and friends. 2013 , 200, 373-83	4759
1837	Dendritic cell-derived exosomes need to activate both T and B cells to induce antitumor immunity. 2013 , 190, 2712-9	122
1836	Molecular pathways: tumor-derived microvesicles and their interactions with immune cells in vivo. 2013 , 19, 2598-604	43
1835	Transfer of extracellular vesicles during immune cell-cell interactions. 2013 , 251, 125-42	209
1834	Drosophila S2 cells secrete wingless on exosome-like vesicles but the wingless gradient forms independently of exosomes. 2013 , 14, 82-96	121
1833	Virus-modified exosomes for targeted RNA delivery; a new approach in nanomedicine. 2013 , 65, 348-56	93
1832	Role of microparticles in recurrent miscarriages and other adverse pregnancies: a review. 2013 , 169, 123-9	8
1831	Increased expression of mitochondrial proteins associated with autophagy in biliary epithelial lesions in primary biliary cirrhosis. 2013 , 33, 312-20	48
1830	Mesenchymal stem cell exosome ameliorates reperfusion injury through proteomic complementation. 2013 , 8, 197-209	90
1829	Exosomes for drug delivery - a novel application for the mesenchymal stem cell. 2013 , 31, 543-51	335
1828	Mesenchymal stem cell-derived exosomes increase ATP levels, decrease oxidative stress and activate PI3K/Akt pathway to enhance myocardial viability and prevent adverse remodeling after myocardial ischemia/reperfusion injury. 2013 , 10, 301-12	748
1827	Sequences within RNA coding for HIV-1 Gag p17 are efficiently targeted to exosomes. 2013 , 15, 412-29	44
1826	Roles of exosomes and microvesicles in disease pathogenesis. 2013 , 65, 398-401	101
1825	The role of exosomes and microRNAs in senescence and aging. 2013 , 65, 368-75	93

1824	Proinflammatory role of epithelial cell-derived exosomes in allergic airway inflammation. 2013 , 131, 1194-203, 1203.e1-14	171
1823	Regulation of postsynaptic retrograde signaling by presynaptic exosome release. 2013 , 77, 1039-46	152
1822	Extracellular vesicles: biology and emerging therapeutic opportunities. 2013 , 12, 347-57	1894
1821	Extracellular vesicles as prospective carriers of oncogenic protein signatures in adult and paediatric brain tumours. 2013 , 13, 1595-607	22
1820	Mesenchymal Stem Cell Exosomes: The Future MSC-Based Therapy?. 2013 , 39-61	25
1819	Neutrophil Intercellular Communication in Acute Lung Injury: Emerging Roles of Microparticles and Gap Junctions. 2013 ,	2
1818	The role of miRNAs in mast cells and other innate immune cells. 2013 , 253, 12-24	47
1817	Role of microRNAs and long-non-coding RNAs in CD4(+) T-cell differentiation. 2013 , 253, 82-96	69
1816	Role of mesenchymal stem cell-derived microvesicles in tissue repair. 2013 , 28, 2249-54	58
1815	Visualization and in vivo tracking of the exosomes of murine melanoma B16-BL6 cells in mice after intravenous injection. 2013 , 165, 77-84	412
1814	Exosomal tumor-suppressive microRNAs as novel cancer therapy: "exocure" is another choice for cancer treatment. 2013 , 65, 376-82	57
1813	Exosomes and communication between tumours and the immune system: are all exosomes equal?. 2013 , 41, 263-7	94
1812	Antigen presentation and antigen-presenting cells in graft-versus-host disease. 2013 , 173-194	
1811	Changing world of neutrophils. 2013 , 465, 1521-33	18
1810	A comprehensive characterization of membrane vesicles released by autophagic human endothelial cells. 2013 , 13, 1108-20	78
1809	How stem cells speak with host immune cells in inflammatory brain diseases. 2013 , 61, 1379-401	96
1808	Methods of analysis of dendritic cell-derived exosome-shuttle microRNA and its horizontal propagation between dendritic cells. 2013 , 1024, 19-40	22
1807	Measurement of precursor miRNA in exosomes from human ESC-derived mesenchymal stem cells. 2013 , 1024, 69-86	23

(2013-2013)

1806	Proteomic footprints of a member of Glossinavirus (Hytrosaviridae): an expeditious approach to virus control strategies in tsetse factories. 2013 , 112 Suppl, S26-31	2
1805	CD73 expression on extracellular vesicles derived from CD4+ CD25+ Foxp3+ T cells contributes to their regulatory function. 2013 , 43, 2430-40	143
1804	Delivery of therapeutic agents by nanoparticles made of grapefruit-derived lipids. 2013, 4, 1867	157
1803	Talking to each other to initiate sexual differentiation. 2013 , 153, 945-7	4
1802	Isolation of extracellular nanovesicle microRNA from liver cancer cells in culture. 2013, 1024, 11-8	17
1801	Analysis of microRNA and protein transfer by exosomes during an immune synapse. 2013 , 1024, 41-51	41
1800	Pre-analytical issues in the measurement of circulating microparticles: current recommendations and pending questions. 2013 , 11, 693-6	48
1799	Exosomes of BV-2 cells induced by alpha-synuclein: important mediator of neurodegeneration in PD. 2013 , 548, 190-5	94
1798	Purification and microRNA profiling of exosomes derived from blood and culture media. 2013 , e50294	29
1797	Grape exosome-like nanoparticles induce intestinal stem cells and protect mice from DSS-induced colitis. 2013 , 21, 1345-57	290
1796	Diseases originate and terminate by genes: unraveling nonviral gene delivery. 2013, 3, 593-610	16
1795	Exoproteome dynamics in Leishmania infantum. 2013 , 84, 106-18	30
1794	Plasminogen binding proteins in secreted membrane vesicles of Leishmania mexicana. 2013 , 187, 14-20	14
1793	Distinct lipid compositions of two types of human prostasomes. 2013 , 13, 1660-6	95
1792	The unconventional secretion of stress-inducible protein 1 by a heterogeneous population of extracellular vesicles. 2013 , 70, 3211-27	43
1791	Extracellular vesicles: communication, coercion, and conditioning. 2013 , 24, 1253-9	66
1790	Dynamics of exosome internalization and trafficking. 2013 , 228, 1487-95	202
1789	Proteolytic factors in exosomes. 2013 , 13, 1624-36	72

1788	Ciliated micropillars for the microfluidic-based isolation of nanoscale lipid vesicles. 2013 , 13, 2879-82	224
1787	Systemic Neural Stem Cell-Based Therapeutic Interventions for Inflammatory CNS Disorders. 2013,	4
1786	Dynamics of dendritic cell-derived vesicles: high-resolution flow cytometric analysis of extracellular vesicle quantity and quality. 2013 , 93, 395-402	41
1785	Role of extracellular membrane vesicles in intercellular communication of the tumour microenvironment. 2013 , 41, 273-6	16
1784	Extracellular vesicles in chronic lymphocytic leukemia. 2013 , 54, 1826-30	12
1783	Quantification of human urinary exosomes by nanoparticle tracking analysis. 2013 , 591, 5833-42	125
1782	Circulating extracellular vesicles in cancer diagnosis and monitoring: an appraisal of clinical potential. 2013 , 17, 265-71	42
1781	Immunostimulatory activity of murine keratinocyte-derived exosomes. 2013 , 22, 650-5	23
1780	Exosomes reflect the hypoxic status of glioma cells and mediate hypoxia-dependent activation of vascular cells during tumor development. 2013 , 110, 7312-7	626
1779	Separation of Different Sized Nanoparticles with Time Using a Rotational Flow. 2013 , 52, 026601	6
1778	Tumor-Derived Microvesicles and the Cancer Microenvironment. 2013 , 13, 58-67	25
1777	The intracellular interactome of tetraspanin-enriched microdomains reveals their function as sorting machineries toward exosomes. 2013 , 288, 11649-61	286
1776	Immune modulation of T-cell and NK (natural killer) cell activities by TEXs (tumour-derived exosomes). 2013 , 41, 245-51	259
1775	An evolutionary perspective on anti-tumor immunity. 2012 , 2, 202	12
1774	Trichomonas vaginalis exosomes deliver cargo to host cells and mediate host:parasite interactions. 2013 , 9, e1003482	160
1773	Extracellular vesicles in the circulation: are erythrocyte microvesicles a confounder in the plasma haemoglobin assay?. 2013 , 41, 288-92	12
1772	Sialoglycoproteins and N-glycans from secreted exosomes of ovarian carcinoma cells. 2013 , 8, e78631	70
1771	The origin, function, and diagnostic potential of RNA within extracellular vesicles present in human biological fluids. 2013 , 4, 142	97

1770	Exosomes in prostate cancer: putting together the pieces of a puzzle. 2013 , 5, 1522-44	58
1769	Immunomodulatory impact of leishmania-induced macrophage exosomes: a comparative proteomic and functional analysis. 2013 , 7, e2185	89
1768	Release of luminal exosomes contributes to TLR4-mediated epithelial antimicrobial defense. 2013 , 9, e1003261	119
1767	Discarding the haystack to examine the needles: the potential role of urinary exosome analysis. 2013 , 305, F1544-5	
1766	Neurotransmitter-triggered transfer of exosomes mediates oligodendrocyte-neuron communication. 2013 , 11, e1001604	503
1765	Red blood cell vesiculation in hereditary hemolytic anemia. 2013 , 4, 365	68
1764	The cis-acting signals that target proteins to exosomes and microvesicles. 2013 , 41, 277-82	63
1763	Tumor-cell-derived microvesicles as carriers of molecular information in cancer. 2013 , 25, 66-75	155
1762	Extracellular heat shock proteins: a new location, a new function. 2013 , 40, 239-46	108
1761	Mutant copper-zinc superoxide dismutase (SOD1) induces protein secretion pathway alterations and exosome release in astrocytes: implications for disease spreading and motor neuron pathology in amyotrophic lateral sclerosis. 2013 , 288, 15699-711	162
1760	Kaposi's sarcoma-associated herpesvirus latency in endothelial and B cells activates gamma interferon-inducible protein 16-mediated inflammasomes. 2013 , 87, 4417-31	112
1759	Microencapsulation technology by nature: Cell derived extracellular vesicles with therapeutic potential. 2013 , 3, 91-6	12
1758	De Gruyter. 2013 , 21,	1
1757	Extracellular vesicle-mediated transfer of donor genomic DNA to recipient cells is a novel mechanism for genetic influence between cells. 2013 , 5, 227-38	153
1756	Emerging Concepts of Tumor ExosomeMediated Cell-Cell Communication. 2013,	5
1755	Exosomes: the ideal nanovectors for biodelivery. 2013 , 394, 1-15	66
1754	Exosomes derived from HIV-1-infected cells contain trans-activation response element RNA. 2013 , 288, 20014-33	196
1753	Monosodium urate activates Src/Pyk2/PI3 kinase and cathepsin dependent unconventional protein secretion from human primary macrophages. 2013 , 12, 749-63	29

1752	Microvesicles as potential ovarian cancer biomarkers. 2013 , 2013, 703048	38
1751	A Drosophila model to image phagosome maturation. 2013 , 2, 188-201	8
1750	Exosome-like nanoparticles from intestinal mucosal cells carry prostaglandin E2 and suppress activation of liver NKT cells. 2013 , 190, 3579-89	58
1749	Tracking and evaluation of dendritic cell migration by cellular magnetic resonance imaging. 2013 , 5, 469-83	35
1748	In vivo identification of an HLA-G complex as ubiquitinated protein circulating in exosomes. 2013 , 43, 1933-9	41
1747	Cancer cell exosomes depend on cell-surface heparan sulfate proteoglycans for their internalization and functional activity. 2013 , 110, 17380-5	563
1746	Potentiating antitumor immunity with ∰C-loaded exosomes. 2013 , 2, e26261	7
1745	Glioma microvesicles carry selectively packaged coding and non-coding RNAs which alter gene expression in recipient cells. 2013 , 10, 1333-44	181
1744	MICA variant promotes allosensitization after kidney transplantation. 2013 , 24, 954-66	27
1743	Synergistic induction of adaptive antitumor immunity by codelivery of antigen with Egalactosylceramide on exosomes. 2013 , 73, 3865-76	87
1742	How can nanotechnology help membrane vesicle-based cancer immunotherapy development?. 2013 , 9, 222-5	15
1741	Cell-mediated drug delivery to the brain. 2013 , 23, 419-433	21
1740	Longitudinal confocal microscopy imaging of solid tumor destruction following adoptive T cell transfer. 2013 , 2, e26677	40
1739	Proteomic analysis of TNF-Hactivated endothelial cells and endothelial microparticles. 2013 , 7, 318-26	14
1738	Immune-Based Targeting in Cancer. 2013 , 141-146	
1737	Antibacterial effect of microvesicles released from human neutrophilic granulocytes. 2013 , 121, 510-8	142
1736	Bad (or good) things come in small packages. 2013 , 122, 3707-8	
1735	CXCL1 excess stops neutrophils in their tracks. 2013 , 122, 3708-10	2

(2013-2013)

1734	Short term statin treatment improves survival and differentially regulates macrophage-mediated responses to Staphylococcus aureus. 2013 , 14, 233-41	7
1733	Neuro-oncologic applications of exosomes, microvesicles, and other nano-sized extracellular particles. 2013 , 72, 501-10	31
1732	Distinct RNA profiles in subpopulations of extracellular vesicles: apoptotic bodies, microvesicles and exosomes. 2013 , 2,	582
1731	Extracellular vesicles as mediators of neuron-glia communication. 2013 , 7, 182	245
1730	EVpedia: an integrated database of high-throughput data for systemic analyses of extracellular vesicles. 2013 , 2,	296
1729	Exosome: A Novel and Safer Therapeutic Refinement of Mesenchymal Stem Cell. 2013, 1	23
1728	Characterisation of tissue factor-bearing extracellular vesicles with AFM: comparison of air-tapping-mode AFM and liquid Peak Force AFM. 2013 , 2,	53
1727	Exosomes: mediators of communication in eukaryotes. 2013 , 46, 5-11	68
1726	Extracellular membrane vesicles from umbilical cord blood-derived MSC protect against ischemic acute kidney injury, a feature that is lost after inflammatory conditioning. 2013 , 2,	101
1725	Extracellular Vesicle (EV) Array: microarray capturing of exosomes and other extracellular vesicles for multiplexed phenotyping. 2013 , 2,	161
1724	Standardization of sample collection, isolation and analysis methods in extracellular vesicle research. 2013 , 2,	1409
1723	As we wait: coping with an imperfect nomenclature for extracellular vesicles. 2013, 2,	581
1722	Emerging roles of extracellular vesicles in the adaptive response of tumour cells to microenvironmental stress. 2013 , 2,	114
1721	Effects of repeated administration of pilocarpine and isoproterenol on aquaporin-5 expression in rat salivary glands. 2013 , 46, 187-97	13
1720	BM mesenchymal stromal cell-derived exosomes facilitate multiple myeloma progression. 2013 , 123, 1542-55	555
1719	Induction and transport of Wnt 5a during macrophage-induced malignant invasion is mediated by two types of extracellular vesicles. 2013 , 4, 2057-66	75
1718	Perspectives on the Potential Therapeutic Uses of Vesicles. 2013 , 1,	11
1717	Cell-derived microparticles: new targets in the therapeutic management of disease. 2013 , 16, 238-53	33

1716	The Immunosuppressive Effect of Mesenchymal Stromal Cells on B Lymphocytes is Mediated by Membrane Vesicles. 2013 , 22, 369-379	99
1715	Epstein-Barr virus encoded dUTPase containing exosomes modulate innate and adaptive immune responses in human dendritic cells and peripheral blood mononuclear cells. 2013 , 8, e69827	56
1714	Pertussis toxin B-pentamer mediates intercellular transfer of membrane proteins and lipids. 2013 , 8, e72885	
1713	Monocyte exosomes stimulate the osteogenic gene expression of mesenchymal stem cells. 2013 , 8, e75227	140
1712	Intracellular modulation, extracellular disposal and serum increase of MiR-150 mark lymphocyte activation. 2013 , 8, e75348	58
1711	Expression and secretion of plasma membrane Ca2+-ATPase 4a (PMCA4a) during murine estrus: association with oviductal exosomes and uptake in sperm. 2013 , 8, e80181	100
1710	Specific transfection of inflamed brain by macrophages: a new therapeutic strategy for neurodegenerative diseases. 2013 , 8, e61852	90
1709	Tumor and endothelial cell-derived microvesicles carry distinct CEACAMs and influence T-cell behavior. 2013 , 8, e74654	45
1708	Extracellular vesicles - biomarkers and effectors of the cellular interactome in cancer. 2013, 4, 21	129
1707	Extracellular circulating viral microRNAs: current knowledge and perspectives. 2013 , 4, 120	32
1706	Extracellular microvesicles from astrocytes contain functional glutamate transporters: regulation by protein kinase C and cell activation. 2013 , 7, 251	44
1705	Signaling pathways in exosomes biogenesis, secretion and fate. 2013 , 4, 152-70	225
1704	The role of microparticles in chronic obstructive pulmonary disease. 2014 , 9, 303-14	31
1703	Extracellular vesicles modulate host-microbe responses by altering TLR2 activity and phagocytosis. 2014 , 9, e89121	34
1702	GDNF-transfected macrophages produce potent neuroprotective effects in Parkinson's disease mouse model. 2014 , 9, e106867	89
1701	Development of glomerulus-, tubule-, and collecting duct-specific mRNA assay in human urinary exosomes and microvesicles. 2014 , 9, e109074	26
1700	Extracellular Vesicles in Multiple Sclerosis: What are They Telling Us?. 2014 , 8, 100	71
1699	[Stromal exosomes allow cancer cell autoactivation]. 2014 , 30, 405-7	1

1698 Characteristics of Exosomes and Development of Exosome-based Diagnosis and Therapy. **2014**, 14, 291-298

Quantitative Analysis of Liposomal Heat Shock Protein 70 (Hsp70) in the Blood of Tumor Patients Using a Novel LipHsp70 ELISA. 2014 , 05,	33
1696 Characterization and Functional Modification of Extracellular Vesicles. 2014 , 29, 108-115	
The Angiogenic Potential of Adipose Mesenchymal Stem Cell-derived Extracellular Vesicles is modulated by Basic Fibroblast Growth Factor. 2014 , 04,	4
1694 Extracellular vesicles as emerging intercellular communicasomes. 2014 , 47, 531-9	140
1693 Circulating microparticles reflect treatment effects and clinical status in multiple sclerosis. 2014 , 8, 65	3-61 59
1692 The Placenta as a Barrier to Viral Infections. 2014 , 1, 133-46	58
1691 Exosomes Biogenesis and Potentials in Disease Diagnosis and Drug Delivery. 2014 , 04, 1441017	5
Susceptibility to particle health effects, miRNA and exosomes: rationale and study protocol of the SPHERE study. 2014 , 14, 1137	29
Intercellular propagated misfolding of wild-type Cu/Zn superoxide dismutase occurs via exosome-dependent and -independent mechanisms. 2014 , 111, 3620-5	293
Activated macrophages release microvesicles containing polarized M1 or M2 mRNAs. 2014 , 95, 817-82	5 49
$_{1687}$ Extracellular vesicles and reproduction-promotion of successful pregnancy. 2014 , 11, 548-63	116
1686 Use and isolation of urinary exosomes as biomarkers for diabetic nephropathy. 2014 , 5, 149	56
$_{f 1}68_{f 5}$ Post-translational modifications of exosomal proteins. 2014 , 5, 383	78
Particle-rich cytoplasmic structure (PaCS): identification, natural history, role in cell biology and pathology. 2014 , 4, 848-61	7
1683 Serum microRNAs as Biomarkers of Human Lymphocyte Activation in Health and Disease. 2014 , 5, 43	41
Extracellular vesicles from Leishmania-infected macrophages confer an anti-infection cytokine-production profile to nalle macrophages. 2014 , 8, e3161	32
$_{f 1}68$ Microparticles: new light shed on the understanding of venous thromboembolism. 2014 , 35, 1103-10	23

1680	Extracellular vesicle-mediated transfer of genetic information between the hematopoietic system and the brain in response to inflammation. 2014 , 12, e1001874	238
1679	Update on controls for isolation and quantification methodology of extracellular vesicles derived from adipose tissue mesenchymal stem cells. 2014 , 5, 525	58
1678	Exosomes derived from mesenchymal stem cells. 2014 , 15, 4142-57	415
1677	HIV-1 capture and transmission by dendritic cells: the role of viral glycolipids and the cellular receptor Siglec-1. 2014 , 10, e1004146	71
1676	Immunotherapeutic potential of extracellular vesicles. 2014 , 5, 518	119
1675	Exosomes Derived from Breast Cancer Cells, Small Trojan Horses?. 2014 , 19, 303-13	16
1674	The role of dendritic cells in immunity against primary herpes simplex virus infections. 2014 , 5, 533	30
1673	MICAL-like1 in endosomal signaling. 2014 , 535, 419-37	2
1672	HIV-1 Intersection with CD4 T Cell Vesicle Exocytosis: Intercellular Communication Goes Viral. 2014 , 5, 454	6
1671	The impact of extracellular vesicle-encapsulated circulating microRNAs in lung cancer research. 2014 , 2014, 486413	41
1670	786-0 Renal cancer cell line-derived exosomes promote 786-0 cell migration and invasion. 2014 , 7, 1576-1580	20
1669	Extracellular vesicles in prostate cancer: new future clinical strategies?. 2014 , 2014, 561571	16
1668	Mi	31
1668 1667	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327	31
	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327 Regulation of immune reactivity by intercellular transfer. 2014 , 5, 112	
1667	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327 Regulation of immune reactivity by intercellular transfer. 2014 , 5, 112 Characterization of uptake and internalization of exosomes by bladder cancer cells. 2014 , 2014, 619829 Regulation of hemichannels and gap junction channels by cytokines in antigen-presenting cells.	31
1667 1666	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327 Regulation of immune reactivity by intercellular transfer. 2014 , 5, 112 Characterization of uptake and internalization of exosomes by bladder cancer cells. 2014 , 2014, 619829 Regulation of hemichannels and gap junction channels by cytokines in antigen-presenting cells.	31

1662	High-density lipoprotein 3 and apolipoprotein A-I alleviate platelet storage lesion and release of platelet extracellular vesicles. 2014 , 54, 2301-14	7
1661	Human adipocyte extracellular vesicles in reciprocal signaling between adipocytes and macrophages. 2014 , 22, 1296-308	102
1660	Involvement of extracellular vesicle long noncoding RNA (linc-VLDLR) in tumor cell responses to chemotherapy. 2014 , 12, 1377-87	202
1659	A Systems Biology Approach to Blood. 2014 ,	2
1658	Dectin-1 pathway activates robust autophagy-dependent unconventional protein secretion in human macrophages. 2014 , 192, 5952-62	65
1657	Evaluation of desialylation effect on zeta potential of extracellular vesicles secreted from human prostate cancer cells by on-chip microcapillary electrophoresis. 2014 , 53, 06JL01	43
1656	The multifaceted role of profilin-1 in adipose tissue inflammation and glucose homeostasis. 2014 , 3, 69-74	13
1655	Autoantibodies to IgG/HLA class II complexes are associated with rheumatoid arthritis susceptibility. 2014 , 111, 3787-92	44
1654	Assessing the immune status of critically ill trauma patients by flow cytometry. 2014 , 63, 426-34	8
1653	Measurement of intercellular transfer to signaling endosomes. 2014 , 534, 207-21	2
1652	Lipid-modifying enzymes in human tear fluid and corneal epithelial stress response. 2014 , 55, 16-24	13
1651	MFG-E8 as a Marker for Apoptotic, Stressed and Activated Cells. 2014 , 33-54	
1650	MFG-E8 and Inflammation. 2014 ,	2
1649	Regulatory T cell-derived exosomes: possible therapeutic and diagnostic tools in transplantation. 2014 , 5, 555	46
1648	Saliva diagnostics: utilizing oral fluids to determine health status. 2014 , 24, 88-98	76
1647	MFG-E8: Origin, Structure, Expression, Functions and Regulation. 2014 , 1-31	5
1646	Tolerance in organ transplantation: from conventional immunosuppression to extracellular vesicles. 2014 , 5, 416	30
1645	"Small Talk" in the Innate Immune System via RNA-Containing Extracellular Vesicles. 2014 , 5, 542	41

1644	Extracellular vesicle profiling and their use as potential disease specific biomarker. 2014 , 5, 413	49
1643	Exosomes from IL-1lstimulated synovial fibroblasts induce osteoarthritic changes in articular chondrocytes. 2014 , 16, R163	150
1642	A review of therapeutic effects of mesenchymal stem cell secretions and induction of secretory modification by different culture methods. 2014 , 12, 260	340
1641	The mesenchymal stem cell-derived microvesicles enhance sciatic nerve regeneration in rat: a novel approach in peripheral nerve cell therapy. 2014 , 76, 991-7	41
1640	Two-photon intravital imaging of lungs during anthrax infection reveals long-lasting macrophage-dendritic cell contacts. 2014 , 82, 864-72	25
1639	Vesicle budding from polymersomes templated by microfluidically prepared double emulsions. 2014 , 1, 96-101	24
1638	Cancer exosomes and NKG2D receptor-ligand interactions: impairing NKG2D-mediated cytotoxicity and anti-tumour immune surveillance. 2014 , 28, 24-30	84
1637	Ultrastructure of the female reproductive apparatus of the egg parasitoid Gryon pennsylvanicum (Ashmead) (Hymenoptera, Platygastridae). 2014 , 61, 28-39	3
1636	Increased levels of circulating microparticles are associated with increased procoagulant activity in patients with cutaneous malignant melanoma. 2014 , 134, 176-182	37
1635	Exosomes: a new weapon to treat the central nervous system. 2014 , 49, 113-9	39
1634	Exosomes: mediators of neurodegeneration, neuroprotection and therapeutics. 2014 , 49, 590-600	215
1633	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
1632	Emerging role of extracellular vesicles in inflammatory diseases. 2014 , 10, 356-64	433
1631	Small but mighty: microparticles as mediators of tumor progression. 2014 , 7, 11-21	25
1630	Polyubiquitinated proteins, proteasome, and glycogen characterize the particle-rich cytoplasmic structure (PaCS) of neoplastic and fetal cells. 2014 , 141, 483-97	8
1629	Extracellular vesicle markers in relation to obesity and metabolic complications in patients with manifest cardiovascular disease. 2014 , 13, 37	78
1628	Extracellular vesicles from blood plasma: determination of their morphology, size, phenotype and concentration. 2014 , 12, 614-27	423
1627	Regulation of immune responses by extracellular vesicles. <i>Nature Reviews Immunology</i> , 2014 , 14, 195-20 8 6.5	1294

1626	Microparticle profile and procoagulant activity of fresh-frozen plasma is affected by whole blood leukoreduction rather than 24-hour room temperature hold. 2014 , 54, 1935-44	19
1625	Intercellular transfer of GPRC5B via exosomes drives HGF-mediated outward growth. 2014 , 24, 199-204	30
1624	Emerging concepts on the role of exosomes in lipid metabolic diseases. 2014 , 96, 67-74	48
1623	Agonist-induced GPCR shedding from the ciliary surface is dependent on ESCRT-III and VPS4. 2014 , 24, 509-18	3
1622	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. 2014 , 32, 490-5	826
1621	Endosome maturation, transport and functions. 2014 , 31, 2-10	264
1620	Stromal cells-are they really useful for GVHD?. 2014 , 49, 737-43	30
1619	The proteomics of prostate cancer exosomes. 2014 , 11, 167-77	50
1618	Plasma biomarker discovery in preeclampsia using a novel differential isolation technology for circulating extracellular vesicles. 2014 , 211, 380.e1-13	29
1617	Extracellular vesicles: emerging targets for cancer therapy. 2014 , 20, 385-93	277
1616	MiRNA in melanoma-derived exosomes. 2014 , 347, 29-37	85
1615	Microfluidic device (ExoChip) for on-chip isolation, quantification and characterization of circulating exosomes. 2014 , 14, 1891-900	380
1614	Proteomic analysis of cerebrospinal fluid extracellular vesicles: a comprehensive dataset. 2014 , 106, 191-204	172
1613	Exosomes are involved in mediating radiation induced bystander signaling in human keratinocyte cells. 2014 , 181, 138-45	117
1612	Functional significance of macrophage-derived exosomes in inflammation and pain. 2014 , 155, 1527-1539	172
1611	A novel "salting-out" procedure for the isolation of tumor-derived exosomes. 2014 , 407, 120-6	63
1610	Interaction of heat shock protein 70 with membranes depends on the lipid environment. 2014 , 19, 877-86	44
1609	Limited role of free TDP-43 as a diagnostic tool in neurodegenerative diseases. 2014 , 15, 351-6	95

1608	Microvesicles and exosomes for intracardiac communication. 2014 , 102, 302-11	176
1607	Novel approaches to lupus drug discovery using stem cell therapy. Role of mesenchymal-stem-cell-secreted factors. 2014 , 9, 555-66	13
1606	MicroRNA in Development and in the Progression of Cancer. 2014 ,	6
1605	The emerging role of exosomes in Wnt secretion and transport. 2014 , 27, 14-9	56
1604	Differences in exosome populations in human breast milk in relation to allergic sensitization and lifestyle. 2014 , 69, 463-71	78
1603	Regenerative medicine in orthopedics using cells, scaffold, and microRNA. 2014 , 19, 521-8	15
1602	The biochemistry and immunology of non-canonical forms of HLA-B27. 2014 , 57, 52-8	23
1601	Role of exosomes in myocardial remodeling. 2014 , 114, 315-24	98
1600	Novel insights into exosome-induced, tumor-associated inflammation and immunomodulation. 2014 , 28, 51-7	58
1599	T cell-derived microvesicles induce mast cell production of IL-24: relevance to inflammatory skin diseases. 2014 , 133, 217-24.e1-3	48
1598	Human mesenchymal stem cell-derived microvesicles modulate T cell response to islet antigen glutamic acid decarboxylase in patients with type 1 diabetes. 2014 , 57, 1664-73	99
1597	Extracellular vesicles derived from preosteoblasts influence embryonic stem cell differentiation. 2014 , 23, 1625-35	38
1596	ALIX and the multivesicular endosome: ALIX in Wonderland. 2014 , 24, 19-25	207
1595	Exosomes as new vesicular lipid transporters involved in cell-cell communication and various pathophysiologies. 2014 , 1841, 108-20	520
1594	Immune synapse: conductor of orchestrated organelle movement. 2014 , 24, 61-72	74
1593	Weighing nanoparticles in solution at the attogram scale. 2014 , 111, 1310-5	95
1592	Exosomes: nanoparticles involved in cardioprotection?. 2014 , 114, 325-32	132
1591	On-chip light sheet illumination enables diagnostic size and concentration measurements of membrane vesicles in biofluids. 2014 , 6, 1741-7	39

1590	Biosensors Based on Aptamers and Enzymes. 2014 ,	6
1589	Extracellular membrane vesicles as a mechanism of cell-to-cell communication: advantages and disadvantages. 2014 , 306, C621-33	297
1588	A doxorubicin delivery platform using engineered natural membrane vesicle exosomes for targeted tumor therapy. 2014 , 35, 2383-90	993
1587	Mesenchymal stem cells secrete immunologically active exosomes. 2014 , 23, 1233-44	426
1586	T cell activation induces CuZn superoxide dismutase (SOD)-1 intracellular re-localization, production and secretion. 2014 , 1843, 265-74	23
1585	Serum 14-3-3lls a novel marker that complements current serological measurements to enhance detection of patients with rheumatoid arthritis. 2014 , 41, 2104-13	59
1584	The emerging role of extracellular vesicles as biomarkers for urogenital cancers. 2014 , 11, 688-701	201
1583	Benchtop isolation and characterization of functional exosomes by sequential filtration. 2014 , 1371, 125-35	168
1582	Tumor-educated myeloid cells: impact the micro- and macroenvironment. 2014 , 23, 157-8	5
1581	Extracellular vesicles derived from mesenchymal stem cells induce features of diabetic retinopathy in vitro. 2014 , 51, 1055-64	34
1580	Regulation of exosome release by glycosphingolipids and flotillins. 2014 , 281, 2214-27	112
1579	Emerging roles of extracellular vesicles in the nervous system. 2014 , 34, 15482-9	166
1578	Exosome transfer from stromal to breast cancer cells regulates therapy resistance pathways. 2014 , 159, 499-513	542
1577	Exosome-mediated extracellular release of polyadenylate-binding protein 1 in human metastatic duodenal cancer cells. 2014 , 14, 2297-306	27
1576	MSC microvesicles for the treatment of lung disease: a new paradigm for cell-free therapy. 2014 , 21, 1905-15	65
1575	Force measurements on natural membrane nanovesicles reveal a composition-independent, high Young's modulus. 2014 , 6, 2275-85	51
1574	Characterization of secreted vesicles from vascular smooth muscle cells. 2014 , 10, 1146-52	28
1573	Diagnostic and prognostic potential of extracellular vesicles in peripheral blood. 2014 , 36, 830-46	168

1572	Modulation of hypoxia-signaling pathways by extracellular linc-RoR. 2014 , 127, 1585-94	192
1571	Exosomes derived from Burkitt's lymphoma cell lines induce proliferation, differentiation, and class-switch recombination in B cells. 2014 , 192, 5852-62	89
1570	Adult Stem Cell Therapies: Alternatives to Plasticity. 2014 ,	3
1569	Sortilin mediates the release and transfer of exosomes in concert with two tyrosine kinase receptors. 2014 , 127, 3983-97	57
1568	Placenta-derived exosomes and syncytiotrophoblast microparticles and their role in human reproduction: immune modulation for pregnancy success. 2014 , 72, 440-57	121
1567	Dynamic biodistribution of extracellular vesicles in vivo using a multimodal imaging reporter. 2014 , 8, 483-494	454
1566	Label-free quantitative detection of tumor-derived exosomes through surface plasmon resonance imaging. 2014 , 86, 8857-64	176
1565	miR-34a is an intracellular and exosomal predictive biomarker for response to docetaxel with clinical relevance to prostate cancer progression. 2014 , 74, 1320-34	155
1564	Dendritic cell-derived exosomes as immunotherapies in the fight against cancer. 2014 , 193, 1006-11	181
1563	Loss of the Timp gene family is sufficient for the acquisition of the CAF-like cell state. 2014 , 16, 889-901	139
	Loss of the Timp gene family is sufficient for the acquisition of the CAF-like cell state. 2014 , 16, 889-901 Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014 , 1838, 2954-65	139
1562		
1562 1561	Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014 , 1838, 2954-65	107
1562 1561	Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014 , 1838, 2954-65 Role of extracellular and intracellular microRNAs in sepsis. 2014 , 1842, 2155-2162	107 78
1562 1561 1560	Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014 , 1838, 2954-65 Role of extracellular and intracellular microRNAs in sepsis. 2014 , 1842, 2155-2162 Extracellular vesicles as drug delivery systems: lessons from the liposome field. 2014 , 195, 72-85	107 78 287
1562 1561 1560 1559	Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014 , 1838, 2954-65 Role of extracellular and intracellular microRNAs in sepsis. 2014 , 1842, 2155-2162 Extracellular vesicles as drug delivery systems: lessons from the liposome field. 2014 , 195, 72-85 Large-scale generation of cell-derived nanovesicles. 2014 , 6, 12056-64 Nanovesicles are secreted during pollen germination and pollen tube growth: a possible role in	107 78 287
1562 1561 1560 1559 1558	Examination of the specificity of tumor cell derived exosomes with tumor cells in vitro. 2014, 1838, 2954-65 Role of extracellular and intracellular microRNAs in sepsis. 2014, 1842, 2155-2162 Extracellular vesicles as drug delivery systems: lessons from the liposome field. 2014, 195, 72-85 Large-scale generation of cell-derived nanovesicles. 2014, 6, 12056-64 Nanovesicles are secreted during pollen germination and pollen tube growth: a possible role in fertilization. 2014, 7, 573-7 BMP-regulated exosomes from Drosophila male reproductive glands reprogram female behavior.	107 78 287 112 48

(2014-2014)

1554	Combined detection of serum exosomal miR-21 and HOTAIR as diagnostic and prognostic biomarkers for laryngeal squamous cell carcinoma. 2014 , 31, 148	163
1553	Biogenesis, secretion, and intercellular interactions of exosomes and other extracellular vesicles. 2014 , 30, 255-89	3261
1552	Soluble Albligomers are rapidly sequestered from brain ISF in vivo and bind GM1 ganglioside on cellular membranes. 2014 , 82, 308-19	146
1551	A comprehensive overview of exosomes as drug delivery vehicles - endogenous nanocarriers for targeted cancer therapy. 2014 , 1846, 75-87	342
1550	Next-generation sequencing of microRNAs uncovers expression signatures in polarized macrophages. 2014 , 46, 91-103	71
1549	Microglia convert aggregated amyloid-linto neurotoxic forms through the shedding of microvesicles. 2014 , 21, 582-93	158
1548	Microfluidics-based single-cell functional proteomics for fundamental and applied biomedical applications. 2014 , 7, 275-95	60
1547	Reproducibility and efficiency of serum-derived exosome extraction methods. 2014 , 47, 1286-92	159
1546	Platelet-derived growth factor regulates the secretion of extracellular vesicles by adipose mesenchymal stem cells and enhances their angiogenic potential. 2014 , 12, 26	194
1545	Exosomal miRNAs as potential biomarkers of cardiovascular risk in children. 2014 , 12, 162	81
1544	Exosomes released by islet-derived mesenchymal stem cells trigger autoimmune responses in NOD mice. 2014 , 63, 1008-20	80
1543	Solid-phase biological assays for drug discovery. 2014 , 7, 337-59	12
1542	Quantitative proteomics of extracellular vesicles released from human monocyte-derived macrophages upon Eglucan stimulation. 2014 , 13, 2468-77	38
1541	Urinary extracellular microvesicles: isolation methods and prospects for urinary proteome. 2014 , 14, 1922-32	59
1540	Extracellular vesicles from neural stem cells transfer IFN-Dia Ifngr1 to activate Stat1 signaling in target cells. 2014 , 56, 193-204	195
1539	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
1538	Nanofilaments on glioblastoma exosomes revealed by peak force microscopy. 2014 , 11, 20131150	42
1537	Autophagy: an adaptive metabolic response to stress shaping the antitumor immunity. 2014 , 92, 31-42	58

1536	Extracellular functions of glycolytic enzymes of parasites: unpredicted use of ancient proteins. 2014 , 193, 75-81	65
1535	Intercellular communication by exosomes in placenta: a possible role in cell fusion?. 2014 , 35, 297-302	84
1534	Extracellular vesicle-mediated transfer of long non-coding RNA ROR modulates chemosensitivity in human hepatocellular cancer. 2014 , 4, 458-67	310
1533	Exosomes derived from human macrophages suppress endothelial cell migration by controlling integrin trafficking. 2014 , 44, 1156-69	69
1532	Consideration of dual characters of exosomes in the tumour immune response. 2014 , 38, 538-45	9
1531	Microfluidic fabrication of cell-derived nanovesicles as endogenous RNA carriers. 2014 , 14, 1261-9	88
1530	Exosomes as immunotheranostic nanoparticles. 2014 , 36, 820-9	62
1529	Extracellular vesicles: specialized bone messengers. 2014 , 561, 38-45	20
1528	Technical note: a noninvasive method for measuring mammary apoptosis and epithelial cell activation in dairy animals using microparticles extracted from milk. 2014 , 97, 5017-22	4
1527	Essential role for TrpC5-containing extracellular vesicles in breast cancer with chemotherapeutic resistance. 2014 , 111, 6389-94	119
1526	miR-23a is decreased during muscle atrophy by a mechanism that includes calcineurin signaling and exosome-mediated export. 2014 , 306, C551-8	91
1525	Microvescicles 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
1524	CD47-dependent immunomodulatory and angiogenic activities of extracellular vesicles produced by T cells. 2014 , 37, 49-59	83
1523	Extracellular RNA mediates and marks cancer progression. 2014 , 28, 14-23	52
1522	Extracellular vesicles in parasitic diseases. 2014 , 3, 25040	136
1521	A flow cytometric method for characterization of circulating cell-derived microparticles in plasma. 2014 , 3,	83
1520	Different immunogenicity but similar antitumor efficacy of two DNA vaccines coding for an antigen secreted in different membrane vesicle-associated forms. 2014 , 3,	30
1519	The Development of Stem Cell-Derived Exosomes as a Cell-Free Regenerative Medicine. 2014 , 3, 2	46

1518	The influence of rotor type and centrifugation time on the yield and purity of extracellular vesicles. 2014 , 3,	247
1517	Recovery of extracellular vesicles from human breast milk is influenced by sample collection and vesicle isolation procedures. 2014 , 3,	148
1516	Comparative analysis of discrete exosome fractions obtained by differential centrifugation. 2014 , 3, 25011	187
1515	Isolation and characterization of platelet-derived extracellular vesicles. 2014 , 3,	168
1514	Uncovering the Role of Erythrocyte-Derived Extracellular Vesicles in Malaria: From Immune Regulation to Cell Communication. 2014 , 3, 3	7
1513	Exosomes from breast milk inhibit HIV-1 infection of dendritic cells and subsequent viral transfer to CD4+ T cells. 2014 , 28, 171-80	102
1512	Plasma levels of microRNA are altered with the development of shock in human sepsis: an observational study. 2015 , 19, 440	45
1511	Therapeutisches Potenzial von extrazellulten Vesikeln aus mesenchymalen Stamm- bzw. Stromazellen. 2015 , 5, 131-137	
1510	Role and future applications of extracellular vesicles in HIV-1 pathogenesis. 2015 , 10, 357-370	2
1509	Role of exosomes and microvesicles in hypoxia-associated tumour development and cardiovascular disease. 2015 , 278, 251-63	40
1508	A simplified method to recover urinary vesicles for clinical applications, and sample banking. 2014 , 4, 7532	81
1507	Exosomes released by chronic lymphocytic leukemia cells induce the transition of stromal cells into cancer-associated fibroblasts. 2015 , 126, 1106-17	310
1506	Characterization of CLL exosomes reveals a distinct microRNA signature and enhanced secretion by activation of BCR signaling. 2015 , 125, 3297-305	107
1505	Biological properties of extracellular vesicles and their physiological functions. 2015 , 4, 27066	2611
1504	Simplified protocol for flow cytometry analysis of fluorescently labeled exosomes and microvesicles using dedicated flow cytometer. 2015 , 4, 25530	232
1503	Macrophage-dependent clearance of systemically administered B16BL6-derived exosomes from the blood circulation in mice. 2015 , 4, 26238	279
1502	Tumour cell-derived extracellular vesicles interact with mesenchymal stem cells to modulate the microenvironment and enhance cholangiocarcinoma growth. 2015 , 4, 24900	87
1501	Measurement of Individual Nanobioparticles on Microfluidic Chips by Laser Dark-field Imaging. 2015 , 28, 727-730	6

1500	Alternating current electrohydrodynamics in microsystems: Pushing biomolecules and cells around on surfaces. 2015 , 9, 061501	21
1499	Optimized exosome isolation protocol for cell culture supernatant and human plasma. 2015 , 4, 27031	823
1498	Physical exercise induces rapid release of small extracellular vesicles into the circulation. 2015 , 4, 28239	152
1497	The emergence of extracellular vesicles in urology: fertility, cancer, biomarkers and targeted pharmacotherapy. 2015 , 4, 23815	17
1496	Exosomes: emerging roles in communication between blood cells and vascular tissues during atherosclerosis. 2015 , 26, 412-9	65
1495	Enhancing the discovery and development of immunotherapies for cancer using quantitative and systems pharmacology: Interleukin-12 as a case study. 2015 , 3, 27	15
1494	Oral administration of bovine milk derived extracellular vesicles attenuates arthritis in two mouse models. 2015 , 59, 1701-12	144
1493	Particulate cytoplasmic structures with high concentration of ubiquitin-proteasome accumulate in myeloid neoplasms. 2015 , 8, 71	6
1492	Inflammation triggers specific microRNA profiles in human adipocytes and macrophages and in their supernatants. 2015 , 7, 49	71
1491	Recent advances in mesenchymal stem cell immunomodulation: the role of microvesicles. 2015 , 24, 133-49	79
1490	Proteome characterization of melanoma exosomes reveals a specific signature for metastatic cell lines. 2015 , 28, 464-75	96
1489	Proteomic analysis of extracellular vesicles derived from Mycobacterium tuberculosis. 2015 , 15, 3331-7	54
1488	Protein and small non-coding RNA-enriched extracellular vesicles are released by the pathogenic blood fluke Schistosoma mansoni. 2015 , 4, 28665	101
1487	Microvesicles from platelets: novel drivers of vascular inflammation. 2015 , 114, 228-36	71
1486	The Uptake of Extracellular Vesicles is Affected by the Differentiation Status of Myeloid Cells. 2015 , 82, 506-14	27
1485	Dendritic cell-derived exosomes carry the major cat allergen Fel d 1 and induce an allergic immune response. 2015 , 70, 1651-5	30
1484	Flow Cytometry of Extracellular Vesicles: Potential, Pitfalls, and Prospects. 2015 , 73, 13.14.1-13.14.16	51
1483	Impact of collection, isolation and storage methodology of circulating microvesicles on flow cytometric analysis. 2015 , 10, 2093-2101	11

1482	Tumour-derived exosomes: Tiny envelopes for big stories. 2015 , 107, 287-305	55
1481	Dynamic regulation of CD24 expression and release of CD24-containing microvesicles in immature B cells in response to CD24 engagement. 2015 , 146, 217-33	10
1480	Exosome Function in miRNA-Mediated Paracrine Effects. 2015 , 37-62	4
1479	Microvesicles as a potential biomarker of neoplastic diseases and their role in development and progression of neoplasm. 2015 , 14, 283-91	4
1478	Proteogenomic analysis reveals exosomes are more oncogenic than ectosomes. 2015 , 6, 15375-96	168
1477	Tumor-derived exosomes in cancer progression and treatment failure. 2015 , 6, 37151-68	157
1476	The bone marrow microenvironment enhances multiple myeloma progression by exosome-mediated activation of myeloid-derived suppressor cells. 2015 , 6, 43992-4004	97
1475	Exosomes: Implications in HIV-1 Pathogenesis. 2015 , 7, 4093-118	117
1474	Regulation of the Host Antiviral State by Intercellular Communications. 2015 , 7, 4707-33	21
1473	Exosome Biogenesis, Regulation, and Function in Viral Infection. 2015 , 7, 5066-83	200
1473 1472	Exosome Biogenesis, Regulation, and Function in Viral Infection. 2015 , 7, 5066-83 The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015 , 3, 1019-51	200
1472	The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015 , 3, 1019-51 Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications.	
1472 1471	The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015 , 3, 1019-51 Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications. 2015 , 139-159 Exosomes as renal inductive signals in health and disease, and their application as diagnostic	48
1472 1471 1470	The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015 , 3, 1019-51 Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications. 2015 , 139-159 Exosomes as renal inductive signals in health and disease, and their application as diagnostic markers and therapeutic agents. 2015 , 3, 65	48
1472 1471 1470 1469	The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015, 3, 1019-51 Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications. 2015, 139-159 Exosomes as renal inductive signals in health and disease, and their application as diagnostic markers and therapeutic agents. 2015, 3, 65 Detection of Exosomal miRNAs in the Plasma of Melanoma Patients. 2015, 4, 2012-27 In vitro Incubation of Platelets with oxLDL Does Not Induce Microvesicle Release When Measured	48 39 90
1472 1471 1470 1469 1468	The Dichotomy of Tumor Exosomes (TEX) in Cancer Immunity: Is It All in the ConTEXt?. 2015, 3, 1019-51 Engineered/Hypoxia-Preconditioned MSC-Derived Exosome: Its Potential Therapeutic Applications. 2015, 139-159 Exosomes as renal inductive signals in health and disease, and their application as diagnostic markers and therapeutic agents. 2015, 3, 65 Detection of Exosomal miRNAs in the Plasma of Melanoma Patients. 2015, 4, 2012-27 In vitro Incubation of Platelets with oxLDL Does Not Induce Microvesicle Release When Measured by Sensitive Flow Cytometry. 2015, 2, 37	48 39 90 6

1464	The effects of secretion factors from umbilical cord derived mesenchymal stem cells on osteogenic differentiation of mesenchymal stem cells. 2015 , 10, e0120593	40
1463	Improved characterization of EV preparations based on protein to lipid ratio and lipid properties. 2015 , 10, e0121184	109
1462	Clearance of Apoptotic Cells and Pyrenocytes. 2015 , 114, 267-95	13
1461	Isolation of High-Purity Extracellular Vesicles by Extracting Proteins Using Aqueous Two-Phase System. 2015 , 10, e0129760	32
1460	Commercial cow milk contains physically stable extracellular vesicles expressing immunoregulatory TGF-[] 2015 , 10, e0121123	116
1459	MiR-21 in Extracellular Vesicles Leads to Neurotoxicity via TLR7 Signaling in SIV Neurological Disease. 2015 , 11, e1005032	76
1458	An Overview of the Proteomic and miRNA Cargo in MSC-Derived Exosomes. 2015 , 21-36	6
1457	Exosomes Secreted from CXCR4 Overexpressing Mesenchymal Stem Cells Promote Cardioprotection via Akt Signaling Pathway following Myocardial Infarction. 2015 , 2015, 659890	138
1456	Role of Exosomal Noncoding RNAs in Lung Carcinogenesis. 2015 , 2015, 125807	27
1455	Antibody-Based Assays for Phenotyping of Extracellular Vesicles. 2015 , 2015, 524817	18
1454	Extracellular Vesicles: Role in Inflammatory Responses and Potential Uses in Vaccination in Cancer and Infectious Diseases. 2015 , 2015, 832057	44
1453	MicroRNAs: Novel Players in the Dialogue between Pancreatic Islets and Immune System in Autoimmune Diabetes. 2015 , 2015, 749734	42
1452	Microparticles That Form Immune Complexes as Modulatory Structures in Autoimmune Responses. 2015 , 2015, 267590	24
1451	A New Paradigm in Cardiac Regeneration: The Mesenchymal Stem Cell Secretome. 2015 , 2015, 765846	90
1450	Role of Extracellular Vesicles in Hematological Malignancies. 2015 , 2015, 821613	22
1449	Mesenchymal Stem Cells: Rising Concerns over Their Application in Treatment of Type One Diabetes Mellitus. 2015 , 2015, 675103	40
1448	CD97 promotes gastric cancer cell proliferation and invasion through exosome-mediated MAPK signaling pathway. 2015 , 21, 6215-28	78
1447	High expression of small GTPase Rab3D promotes cancer progression and metastasis. 2015 , 6, 11125-38	61

1446	differentiated cells. 2015 , 4, 26166	17
1445	Inflammatory status in human hepatic cirrhosis. 2015 , 21, 11522-41	38
1444	Identification of prostate cancer biomarkers in urinary exosomes. 2015 , 6, 30357-76	138
1443	Targeting Functionality of Cancer Cell-Derived Extra cellular vesicles to Immune Cells of the Tumor Microenvironment. 2015 , 05,	
1442	Strategies for isolation of exosomes. 2015 , 2015, 319-23	191
1441	Exosomal RNA from Mycobacterium tuberculosis-Infected Cells Is Functional in Recipient Macrophages. 2015 , 16, 555-71	79
1440	Secretome protein signature of human gastrointestinal stromal tumor cells. 2015 , 336, 158-70	6
1439	Oncogene-dependent survival of highly transformed cancer cells under conditions of extreme centrifugal force - implications for studies on extracellular vesicles. 2015 , 20, 117-29	2
1438	In \mbox{Vivo} imaging reveals extracellular vesicle-mediated phenocopying of metastatic behavior. 2015 , 161, 1046-1057	546
1437	Heparin affinity purification of extracellular vesicles. 2015 , 5, 10266	113
1436	Emerging roles of exosomes in normal and pathological conditions: new insights for diagnosis and therapeutic applications. 2015 , 6, 203	377
1435	Combined treatment with a pH-sensitive fusogenic peptide and cationic lipids achieves enhanced cytosolic delivery of exosomes. 2015 , 5, 10112	136
1434	Integrated isolation and quantitative analysis of exosome shuttled proteins and nucleic acids using immunocapture approaches. 2015 , 87, 46-58	217
1433	Exosomes Secreted from Human Cancer Cell Lines Contain Inhibitors of Apoptosis (IAP). 2015 , 8, 65-73	42
1432	Exosomes as drug delivery vehicles for Parkinson's disease therapy. 2015 , 207, 18-30	889
1431	Decreased memory B cells and increased CD8 memory T cells in blood of breastfed children: the generation R study. 2015 , 10, e0126019	13
1430	Extracellular vesicles, tissue factor, cancer and thrombosis - discussion themes of the ISEV 2014 Educational Day. 2015 , 4, 26901	57

1428	Antigen Presentation by MHC-Dressed Cells. 2014 , 5, 672	73
1427	Nano-plasmonic exosome diagnostics. 2015 , 15, 725-33	36
1426	Elevated Abundance, Size, and MicroRNA Content of Plasma Extracellular Vesicles in Viremic HIV-1+ Patients: Correlations With Known Markers of Disease Progression. 2015 , 70, 219-27	55
1425	Neuronal Regulation of Neuroprotective Microglial Apolipoprotein E Secretion in Rat In Vitro Models of Brain Pathophysiology. 2015 , 74, 818-34	8
1424	Quantitative analysis of tissue distribution of the B16BL6-derived exosomes using a streptavidin-lactadherin fusion protein and iodine-125-labeled biotin derivative after intravenous injection in mice. 2015 , 104, 705-13	160
1423	microRNA: Cancer. 2015 ,	1
1422	Cerebrospinal Fluid Particles in Alzheimer Disease and Parkinson Disease. 2015 , 74, 672-87	25
1421	Extracellular vesicles: roles in gamete maturation, fertilization and embryo implantation. 2016 , 22, 182-93	170
1420	Intercellular Communication in Cancer. 2015,	1
1419	Tips and tricks for flow cytometry-based analysis and counting of microparticles. 2015 , 53, 110-26	55
1418	Lung epithelial cell-derived extracellular vesicles activate macrophage-mediated inflammatory responses via ROCK1 pathway. 2015 , 6, e2016	83
1418 1417		83
1417	responses via ROCK1 pathway. 2015 , 6, e2016 Molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue	
1417	responses via ROCK1 pathway. 2015 , 6, e2016 Molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue repair. 2015 , 6, 212	67
1417 1416	molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue repair. 2015, 6, 212 Exosomes and their Therapeutic Applications. 2015, 477-501	67 4
1417 1416 1415	responses via ROCK1 pathway. 2015, 6, e2016 Molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue repair. 2015, 6, 212 Exosomes and their Therapeutic Applications. 2015, 477-501 Investigation of the roles of exosomes in colorectal cancer liver metastasis. 2015, 33, 2445-53 Immune responses in patients with esophageal cancer treated with SART1 peptide-pulsed dendritic	67 4 59
1417 1416 1415 1414	Molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue repair. 2015, 6, 212 Exosomes and their Therapeutic Applications. 2015, 477-501 Investigation of the roles of exosomes in colorectal cancer liver metastasis. 2015, 33, 2445-53 Immune responses in patients with esophageal cancer treated with SART1 peptide-pulsed dendritic cell vaccine. 2015, 46, 1699-709	67 4 59

1410	glycosylated EMMPRIN. 2015 , 7, 143-53	81
1409	Antigenic composition of single nano-sized extracellular blood vesicles. 2015 , 11, 489-98	22
1408	Cell-free tumor microparticle vaccines stimulate dendritic cells via cGAS/STING signaling. 2015 , 3, 196-205	70
1407	Acoustic purification of extracellular microvesicles. 2015 , 9, 2321-7	287
1406	EVpedia: a community web portal for extracellular vesicles research. 2015 , 31, 933-9	256
1405	Exosomes in bodily fluids are a highly stable resource of disease biomarkers. 2015 , 9, 358-67	286
1404	A new workflow for proteomic analysis of urinary exosomes and assessment in cystinuria patients. 2015 , 14, 567-77	29
1403	Endometrial Regenerative Cells and Exosomes Thereof for Treatment of Radiation Exposure. 2015 , 33-37	1
1402	Secretion of fatty acid binding protein aP2 from adipocytes through a nonclassical pathway in response to adipocyte lipase activity. 2015 , 56, 423-34	86
1401	Exosome secretion by eosinophils: A´possible role in asthma pathogenesis. 2015 , 135, 1603-13	80
1400	Noncoding RNAs in diabetes vascular complications. 2015 , 89, 42-50	53
1399	Proportions of several types of plasma and urine microparticles are increased in patients with rheumatoid arthritis with active disease. 2015 , 180, 442-51	35
1398	Immunomodulatory role of microRNAs transferred by extracellular vesicles. 2015 , 107, 61-77	86
1397	Receptor-targeted lentiviral vectors are exceptionally sensitive toward the biophysical properties of the displayed single-chain Fv. 2015 , 28, 93-106	17
1396	Clinical significance of procoagulant microparticles. 2015 , 3, 2	88
1395	Extracellular vesicles in the biology of brain tumour stem cellsImplications for inter-cellular communication, therapy and biomarker development. 2015 , 40, 17-26	74
1394	The ₩B integrin is transferred intercellularly via exosomes. 2015 , 290, 4545-4551	119
1393	EVpedia: A community web resource for prokaryotic and eukaryotic extracellular vesicles research. 2015 , 40, 4-7	7 ²

1392	Exosomes and their roles in immune regulation and cancer. 2015 , 40, 72-81	378
1391	Proteomic signatures of extracellular vesicles secreted by nonmineralizing and mineralizing human osteoblasts and stimulation of tumor cell growth. 2015 , 29, 274-85	55
1390	Mesenchymal stem cell exosomes. 2015 , 40, 82-8	306
1389	Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins. 2015 , 205, 35-44	295
1388	Toll-like receptor 4 senses oxidative stress mediated by the oxidation of phospholipids in extracellular vesicles. 2015 , 8, ra60	62
1387	Impaired immune phenotype of circulating endothelial-derived microparticles in patients with metabolic syndrome and diabetes mellitus. 2015 , 38, 865-74	31
1386	Transmission of innate immune signaling by packaging of cGAMP in viral particles. 2015 , 349, 1232-6	172
1385	Using exosomes, naturally-equipped nanocarriers, for drug delivery. 2015 , 219, 396-405	491
1384	Active macropinocytosis induction by stimulation of epidermal growth factor receptor and oncogenic Ras expression potentiates cellular uptake efficacy of exosomes. 2015 , 5, 10300	159
1383	Differential detergent sensitivity of extracellular vesicle subpopulations. 2015 , 13, 9775-82	118
1382	Bacterial Membrane Vesicles Mediate the Release of Mycobacterium tuberculosis Lipoglycans and Lipoproteins from Infected Macrophages. 2015 , 195, 1044-53	75
1381	Extracellular Vesicles: Composition, Biological Relevance, and Methods of Study. 2015 , 65, 783-797	459
1380	Glypican-1 identifies cancer exosomes and detects early pancreatic cancer. 2015 , 523, 177-82	1678
1379	Human endothelial colony-forming cells protect against acute kidney injury: role of exosomes. 2015 , 185, 2309-23	142
1378	Generation of nanovesicles with sliced cellular membrane fragments for exogenous material delivery. 2015 , 59, 12-20	67
1377	Exosomes: Emerging biomarkers and targets for ovarian cancer. 2015 , 367, 26-33	103
1376	Platelet microparticles are internalized in neutrophils via the concerted activity of 12-lipoxygenase and secreted phospholipase A2-IIA. 2015 , 112, E3564-73	139
1375	Release of bulk cell free DNA during physical exercise occurs independent of extracellular vesicles. 2015 , 115, 2271-80	43

1374	Murine adipose-derived mesenchymal stromal cell vesicles: in vitro clues for neuroprotective and neuroregenerative approaches. 2015 , 17, 571-8	45
1373	Altered profile of circulating microparticles in rheumatoid arthritis patients. 2015 , 128, 437-48	24
1372	SRY gene transferred by extracellular vesicles accelerates atherosclerosis by promotion of leucocyte adherence to endothelial cells. 2015 , 129, 259-69	22
1371	Exosomes and exosomal miRNAs in cardiovascular protection and repair. 2015 , 71, 24-30	169
1370	Techniques to improve detection and analysis of extracellular vesicles using flow cytometry. 2015 , 87, 1052-63	56
1369	Intercellular chaperone transmission via exosomes contributes to maintenance of protein homeostasis at the organismal level. 2015 , 112, E2497-506	118
1368	MicroRNAs as biomarkers for graft-versus-host disease following allogeneic stem cell transplantation. 2015 , 94, 1081-92	17
1367	Exosomes released from breast cancer carcinomas stimulate cell movement. 2015 , 10, e0117495	109
1366	Long-term high fat feeding of rats results in increased numbers of circulating microvesicles with pro-inflammatory effects on endothelial cells. 2015 , 113, 1704-11	43
1365	Silica microspheres are superior to polystyrene for microvesicle analysis by flow cytometry. 2015 , 135, 1000-6	15
1364	Do circulating tumor cells, exosomes, and circulating tumor nucleic acids have clinical utility? A report of the association for molecular pathology. 2015 , 17, 209-24	138
1363	Extracellular vesicle-derived CD14 is independently associated with the extent of cardiovascular disease burden in patients with manifest vascular disease. 2015 , 22, 451-7	12
1362	Horizontal transfer of exosomal microRNAs transduce apoptotic signals between pancreatic beta-cells. 2015 , 13, 17	89
1361	Transfer of microRNAs by extracellular membrane microvesicles: a nascent crosstalk model in tumor pathogenesis, especially tumor cell-microenvironment interactions. 2015 , 8, 14	28
1360	Cell or cell membrane-based drug delivery systems. 2015 , 5, 863-81	267
1359	Caco-2 cells infected with rotavirus release extracellular vesicles that express markers of apoptotic bodies and exosomes. 2015 , 20, 697-708	13
1358	Isolation of extracellular vesicles: Determining the correct approach (Review). 2015, 36, 11-7	161
1357	Transdermal delivery of bovine milk vesicles in patients with multiple sclerosis: A novel strategy to induce MOG-specific tolerance. 2015 , 85, 141-4	6

1356	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. 2015 , 6, 6999	363
1355	Detection of exosomal prions in blood by immunochemistry techniques. 2015 , 96, 1969-74	32
1354	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. 2015 , 6, 7029	345
1353	Information transfer by exosomes: A new frontier in hematologic malignancies. 2015 , 29, 281-90	59
1352	MicroRNA biology and pain. 2015 , 131, 215-49	16
1351	Ectosomes from neutrophil-like cells down-regulate nickel-induced dendritic cell maturation and promote Th2 polarization. 2015 , 97, 737-49	12
1350	Emerging roles of exosomes during epithelial-mesenchymal transition and cancer progression. 2015 , 40, 60-71	148
1349	Methods of isolating extracellular vesicles impact down-stream analyses of their cargoes. 2015 , 87, 3-10	340
1348	Mass-spectrometry-based molecular characterization of extracellular vesicles: lipidomics and proteomics. 2015 , 14, 2367-84	148
1347	Rab27a controls HIV-1 assembly by regulating plasma membrane levels of phosphatidylinositol 4,5-bisphosphate. 2015 , 209, 435-52	41
1346	Biodistribution, Uptake and Effects Caused by Cancer-Derived Extracellular Vesicles. 2015 , 4, 2	14
1345	Macrophage immunomodulation by breast cancer-derived exosomes requires Toll-like receptor 2-mediated activation of NF- B. 2014 , 4, 5750	213
1344	Techniques for the analysis of extracellular vesicles using flow cytometry. 2015,	16
1343	Liposome-based engineering of cells to package hydrophobic compounds in membrane vesicles for tumor penetration. 2015 , 15, 2938-44	115
1342	Size and shape characterization of hydrated and desiccated exosomes. 2015 , 407, 3285-301	105
1341	Circulating endothelial cells in coronary artery disease and acute coronary syndrome. 2015 , 25, 578-87	28
1340	The multivesicular body is the major internal site of prion conversion. 2015 , 128, 1434-43	46
1339	Engineered nanoparticles mimicking cell membranes for toxin neutralization. 2015 , 90, 69-80	84

1338	Exosomes as nanocarriers for immunotherapy of cancer and inflammatory diseases. 2015 , 160, 46-58	113
1337	Potential of yeast secretory vesicles in biodelivery systems. 2015 , 20, 659-66	3
1336	TMEM16F is required for phosphatidylserine exposure and microparticle release in activated mouse platelets. 2015 , 112, 12800-5	131
1335	Depletion of microglia and inhibition of exosome synthesis halt tau propagation. 2015 , 18, 1584-93	782
1334	Microvesicles in the brain: Biomarker, messenger or mediator?. 2015 , 288, 70-8	45
1333	In Vivo Differentiation of Therapeutic Insulin-Producing Cells from Bone Marrow Cells via Extracellular Vesicle-Mimetic Nanovesicles. 2015 , 9, 11718-27	58
1332	Tumour exosome integrins determine organotropic metastasis. 2015 , 527, 329-35	2614
1331	The Secreted Form of Transmembrane Protein 98 Promotes the Differentiation of T Helper 1 Cells. 2015 , 35, 720-33	13
1330	Exosome Secretion by the Parasitic Protozoan Leishmania within the Sand Fly Midgut. 2015 , 13, 957-67	150
1329	Virus-mimetic nanovesicles as a versatile antigen-delivery system. 2015 , 112, E6129-38	95
1328	Neuronal exosomes facilitate synaptic pruning by up-regulating complement factors in microglia. 2015 , 5, 7989	108
1327	On-chip immunoelectrophoresis of extracellular vesicles released from human breast cancer cells. 2015 , 10, e0123603	54
1326	Cell Membrane Capsules for Encapsulation of Chemotherapeutic and Cancer Cell Targeting in Vivo. 2015 , 7, 18628-37	65
1325	Oviductosome-Sperm Membrane Interaction in Cargo Delivery: DETECTION OF FUSION AND UNDERLYING MOLECULAR PLAYERS USING THREE-DIMENSIONAL SUPER-RESOLUTION STRUCTURED ILLUMINATION MICROSCOPY (SR-SIM). 2015 , 290, 17710-17723	59
1324	The Role of Exosomes in Breast Cancer. 2015 , 61, 1457-65	77
1323	Cancer associated fibroblasts transfer lipids and proteins to cancer cells through cargo vesicles supporting tumor growth. 2015 , 1853, 3211-23	58
1322	The Role of Blood-Borne Microparticles in Inflammation and Hemostasis. 2015 , 41, 590-606	36
1321	MicroRNA-143 Activation Regulates Smooth Muscle and Endothelial Cell Crosstalk in Pulmonary Arterial Hypertension. 2015 , 117, 870-883	186

1320	Molecular mechanisms of extracellular vesicle-induced vessel destabilization in diabetic retinopathy. 2015 , 52, 1113-9	21
1319	The exosomes in tumor immunity. 2015 , 4, e1027472	135
1318	Exosomes or microvesicles? Two kinds of extracellular vesicles with different routes to modify protozoan-host cell interaction. 2015 , 114, 3567-75	39
1317	The intracellular source, composition and regulatory functions of nanosized vesicles from bovine milk-serum. 2015 , 5, 69161-69175	1
1316	Langerhans Cell-Dendritic Cell Cross-Talk via Langerin and Hyaluronic Acid Mediates Antigen Transfer and Cross-Presentation of HIV-1. 2015 , 195, 1763-73	28
1315	Exosomes: improved methods to characterize their morphology, RNA content, and surface protein biomarkers. 2015 , 140, 6631-42	163
1314	Intercellular Communication, the Tumor Microenvironment, and Tumor Progression. 2015, 343-362	3
1313	Cross-dressing: an alternative mechanism for antigen presentation. 2015 , 168, 349-54	63
1312	Telomeric repeat-containing RNA (TERRA) constitutes a nucleoprotein component of extracellular inflammatory exosomes. 2015 , 112, E6293-300	60
1311	Biodistribution and delivery efficiency of unmodified tumor-derived exosomes. 2015 , 199, 145-55	363
1310	Bacterial protoplast-derived nanovesicles as vaccine delivery system against bacterial infection. 2015 , 15, 266-74	56
1309	Effective internalization of U251-MG-secreted exosomes into cancer cells and characterization of their lipid components. 2015 , 456, 768-73	39
1308	Extracellular vesicles and their synthetic analogues in aging and age-associated brain diseases. 2015 , 16, 147-85	41
1307	Therapeutic applications of extracellular vesicles: clinical promise and open questions. 2015 , 55, 439-464	338
1306	Differentiation of tumour-promoting stromal myofibroblasts by cancer exosomes. 2015 , 34, 290-302	296
1305	Increased circulating endothelial cells and microparticles in patients with psoriasis. 2015, 60, 283-90	10
1304	Mast cells, basophils and B cell connection network. 2015 , 63, 94-103	48
1303	Formation and role of exosomes in cancer. 2015 , 72, 659-71	156

Lipidomic and proteomic characterization of platelet extracellular vesicle subfractions from senescent platelets. 2015 , 55, 507-21	78
Extracellular vesicles including exosomes are mediators of signal transduction: are they protective or pathogenic?. 2015 , 15, 260-71	175
Exosomes in diagnostic and therapeutic applications: biomarker, vaccine and RNA interference delivery vehicle. 2015 , 15, 103-17	88
1299 Regenerative Medicine. 2015 ,	
1298 RNA Interference. 2015 ,	1
1297 Magnetic bead-based isolation of exosomes. 2015 , 1218, 465-81	95
Gut commensal microvesicles reproduce parent bacterial signals to host immune and enteric nervous systems. 2015 , 29, 684-95	88
1295 Tumor-derived exosomes in oncogenic reprogramming and cancer progression. 2015 , 72, 1-10	81
1294 Enhanced cellular secretion of AAV2 by expression of foreign viral envelope proteins. 2015 , 93, 108-114	
1293 Exosomes: vehicles of intercellular signaling, biomarkers, and vectors of cell therapy. 2015 , 77, 13-27	418
1292 Exosomes as divine messengers: are they the Hermes of modern molecular oncology?. 2015 , 22, 34-45	205
1291 Diagnostic and therapeutic potentials of exosomes in CNS diseases. 2015 , 1617, 63-71	86
1290 Concise reviews: A stem cell apostasy: a tale of four H words. 2015 , 33, 15-20	17
Podoplanin is a component of extracellular vesicles that reprograms cell-derived exosomal proteins and modulates lymphatic vessel formation. 2016 , 7, 16070-89	51
1288 Cardiosphere-Derived Cells. 2016 , 217-222	
1287 The Clinical Utility of Circulating Microparticles[Measurement in Heart Failure Patients. 2016 , 04,	
1286 Tumor Exosomes: Potential Biomarkers and Targets in Cancer. 2016 , 07,	

Extracellular Vesicles: A Mechanism to Reverse Metastatic Behaviour as a New Approach to Cancer 1284 Therapy. 2016, Procoagulant and immunogenic properties of melanoma exosomes, microvesicles and apoptotic 1283 64 vesicles. 2016, 7, 56279-56294 Extracellular vesicle cross-talk in the bone marrow microenvironment: implications in multiple 1282 38 myeloma. 2016, 7, 38927-38945 281 Glypican-1 as a Biomarker for Prostate Cancer: Isolation and Characterization. **2016**, 7, 1002-9

1281 Glypican-1 as a Biomarker for Prostate Cancer: Isolation and Characterization. 2016 , 7, 1002-9	33
Extracellular Vesicles in Molecular Diagnostics: An Overview with a Focus on CNS Diseases. 2016 , 76, 37-53	12
1279 Phenotyping of Leukocytes and Leukocyte-Derived Extracellular Vesicles. 2016 , 2016, 6391264	24
1278 Exosomes genetic cargo in lung cancer: a truly Pandora's box. 2016 , 5, 483-491	28
1277 Emerging roles of exosomes in cancer invasion and metastasis. 2016 , 49, 18-25	57
Harnessing the Angiogenic Potential of Stem Cell-Derived Exosomes for Vascular Regeneration. 2016 , 2016, 3409169	45
The Impact of Lipoprotein-Associated Oxidative Stress on Cell-Specific Microvesicle Release in Patients with Familial Hypercholesterolemia. 2016 , 2016, 2492858	15
1274 Exosomes and Exosomal miRNA in Respiratory Diseases. 2016 , 2016, 5628404	75
1273 Flow Cytometry of Circulating Tumor-Associated Exosomes. 2016 , 2016, 1628057	13
Role of exosomes in the reproductive tract Oviductosomes mediate interactions of oviductal secretion with gametes/early embryo. 2016 , 21, 1278-85	22
Rheumatoid Rescue of Misfolded Cellular Proteins by MHC Class II Molecules: A New Hypothesis for Autoimmune Diseases. 2016 , 129, 1-23	15
1270 Exosomes: The Messengers of Health and Disease. 2017 , 15, 157-165	100
1269 Extracellular vesicle isolation and characterization: toward clinical application. 2016 , 126, 1152-62	467
Extracellular vesicles: masters of intercellular communication and potential clinical interventions. 2016 , 126, 1139-43	263
1267 Stem Cell-Derived Extracellular Vesicles and Immune-Modulation. 2016 , 4, 83	154

1266	Spleen-Dependent Immune Protection Elicited by CpG Adjuvanted Reticulocyte-Derived Exosomes from Malaria Infection Is Associated with Changes in T cell Subsets' Distribution. 2016 , 4, 131	18
1265	Evasion of the Immune Response by Trypanosoma cruzi during Acute Infection. 2015 , 6, 659	85
1264	The Potential of HLA-G-Bearing Extracellular Vesicles as a Future Element in HLA-G Immune Biology. 2016 , 7, 173	35
1263	Melanoma Affects the Composition of Blood Cell-Derived Extracellular Vesicles. 2016 , 7, 282	25
1262	Recent Developments in Cellular Immunotherapy for HSCT-Associated Complications. 2016 , 7, 500	28
1261	Liquid Biopsy in Non-Small Cell Lung Cancer. 2016 , 3, 69	40
1260	Exosomes as Novel Regulators of Adult Neurogenic Niches. 2015 , 9, 501	83
1259	Extracellular Vesicles in Physiology, Pathology, and Therapy of the Immune and Central Nervous System, with Focus on Extracellular Vesicles Derived from Mesenchymal Stem Cells as Therapeutic Tools. 2016 , 10, 109	106
1258	Editorial: Tumor-Derived Extracellular Vesicles: Protocols, Models, and Clinical Evidence. 2016 , 6, 230	2
1257	Focus on Extracellular Vesicles: Introducing the Next Small Big Thing. 2016 , 17, 170	432
1256	Focus on Extracellular Vesicles: Development of Extracellular Vesicle-Based Therapeutic Systems. 2016 , 17, 172	92
1255	Clinical Application of Human Urinary Extracellular Vesicles in Kidney and Urologic Diseases. 2016 , 17,	18
1254	Circulating Organ-Specific MicroRNAs Serve as Biomarkers in Organ-Specific Diseases: Implications for Organ Allo- and Xeno-Transplantation. 2016 , 17,	29
1253	Immunogenic FEAT protein circulates in the bloodstream of cancer patients. 2016 , 14, 275	5
1252	Placental Microparticles and MicroRNAs in Pregnant Women with Plasmodium falciparum or HIV Infection. 2016 , 11, e0146361	22
1251	Enhancement of Chemotactic Cell Aggregation by Haptotactic Cell-To-Cell Interaction. 2016 , 11, e0154717	2
1250	Indication of Horizontal DNA Gene Transfer by Extracellular Vesicles. 2016 , 11, e0163665	61
1249	Uterosomes: Exosomal cargo during the estrus cycle and interaction with sperm. 2016 , 8, 115-22	14

1248	Extracellular Vesicles Facilitate the Intercellular Communications in the Pathogenesis of Lung Injury. 2016 , 5,	6
1247	Characterization of Microvesicles in Septic Shock Using High-Sensitivity Flow Cytometry. 2016 , 46, 373-81	25
1246	Placenta Mesenchymal Stem Cell Derived Exosomes Confer Plasticity on Fibroblasts. 2016 , 117, 1658-70	31
1245	CD4(+) T-cell help amplifies innate signals for primary CD8(+) T-cell immunity. 2016 , 272, 52-64	68
1244	Traumatic brain injury increases levels of miR-21 in extracellular vesicles: implications for neuroinflammation. 2016 , 6, 835-46	91
1243	Plasma exosome profiles from dairy cows with divergent fertility phenotypes. 2016 , 99, 7590-7601	15
1242	Receptors and Binding Structures for Clostridium difficile Toxins A and B. 2017 , 406, 79-96	12
1241	Development and regulation of exosome-based therapy products. 2016 , 8, 744-57	40
1240	Extracellular vesicles in cardiovascular disease: are they Jedi or Sith?. 2016 , 594, 2881-94	36
1239	Bystander Effect Induced by Electroporation is Possibly Mediated by Microvesicles and Dependent on Pulse Amplitude, Repetition Frequency and Cell Type. 2016 , 249, 703-711	8
1238	Extracellular vesicles concentration is a promising and important parameter for industrial bioprocess monitoring. 2016 , 11, 603-9	9
1237	Renal extracellular vesicles: from physiology to clinical application. 2016 , 594, 5735-5748	29
1236	Multiple myeloma exosomes establish a favourable bone marrow microenvironment with enhanced angiogenesis and immunosuppression. 2016 , 239, 162-73	140
1235	miRNA in Macrophage Development and Function. 2016 , 25, 795-804	44
1234	Circulating Apoptotic Microparticles in Systemic Lupus Erythematosus Patients Drive the Activation of Dendritic Cell Subsets and Prime Neutrophils for NETosis. 2016 , 68, 462-72	103
1233	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
1232	High Amounts of Total and Extracellular Vesicle-Derived Soluble HLA-G are Associated with HLA-G 14-bp Deletion Variant in Women with Embryo Implantation Failure. 2016 , 75, 661-71	7
1231	Extracellular microvesicle microRNAs in children with sickle cell anaemia with divergent clinical phenotypes. 2016 , 174, 786-98	31

1230	Cellular stress and innate inflammation in organ-specific autoimmunity: lessons learned from vitiligo. 2016 , 269, 11-25	69
1229	Reviews of Physiology, Biochemistry and Pharmacology, Vol. 172. 2016 ,	1
1228	Mesenchymal stromal cell extracellular vesicles/exosomes. 2016 , 250-263	
1227	Treatment of lung disease by mesenchymal stromal cell extracellular vesicles. 2016 , 553-572	1
1226	Evaluation of Zeta-Potential of Individual Exosomes Secreted from Biological Cells Using a Microcapillary Electrophoresis Chip. 2016 , 469-473	7
1225	A novel multiplex bead-based platform highlights the diversity of extracellular vesicles. 2016 , 5, 29975	118
1224	Activated Stat5 trafficking Via Endothelial Cell-derived Extracellular Vesicles Controls IL-3 Pro-angiogenic Paracrine Action. 2016 , 6, 25689	50
1223	Evaluation of amniotic mesenchymal cell derivatives on cytokine production in equine alveolar macrophages: an in vitro approach to lung inflammation. 2016 , 7, 137	14
1222	Display of GPI-anchored anti-EGFR nanobodies on extracellular vesicles promotes tumour cell targeting. 2016 , 5, 31053	190
1221	Molecular and Genetic Mechanisms Involved in the Pathogenesis of Cardiorenal Cross Talk. 2016 , 83, 201-10	22
1220	Isolation of human salivary extracellular vesicles by iodixanol density gradient ultracentrifugation and their characterizations. 2016 , 5, 30829	94
1219	Osteoblasts secrete miRNA-containing extracellular vesicles that enhance expansion of human umbilical cord blood cells. 2016 , 6, 32034	16
1218	The Late Endosome. 2016 , 201-210	7
1217	Identification and characterization of EGF receptor in individual exosomes by fluorescence-activated vesicle sorting. 2016 , 5, 29254	73
1216	Rapid decay of engulfed extracellular miRNA by XRN1 exonuclease promotes transient epithelial-mesenchymal transition. 2017 , 45, 4131-4141	19
1215	[Extracellular vesicles and their role in hematological malignancies]. 2016 , 157, 1379-84	
1214	Extracellular Vesicles in Cancer: Cell-to-Cell Mediators of Metastasis. 2016 , 30, 836-848	931
1213	Biochemical and proteomic characterization of retrovirus Gag based microparticles carrying melanoma antigens. 2016 , 6, 29425	12

1212	Proteomes, Their Compositions and Their Sources. 2016 , 919, 3-21	3
1211	Acetylation modification regulates GRP78 secretion in colon cancer cells. 2016 , 6, 30406	34
121 0	Role of noncoding RNA in vascular remodelling. 2016 , 27, 439-48	25
1209	Effect on Intermittent Hypoxia on Plasma Exosomal Micro RNA Signature and Endothelial Function in Healthy Adults. 2016 , 39, 2077-2090	52
1208	Differential and transferable modulatory effects of mesenchymal stromal cell-derived extracellular vesicles on T, B and NK cell functions. 2016 , 6, 24120	168
1207	Human Nano-Vesicles in Physiology and Pathology. 2016 , 83-96	
1206	miR-1934, downregulated in obesity, protects against low-grade inflammation in adipocytes. 2016 , 428, 109-17	11
1205	Placental origins of adverse pregnancy outcomes: potential molecular targets: an Executive Workshop Summary of the Eunice Kennedy Shriver National Institute of Child Health and Human Development. 2016 , 215, S1-S46	147
1204	Monitoring immune responses in the tumor microenvironment. 2016 , 41, 23-31	76
1203	Isolation and Characterization of Exosome from Human Embryonic Stem Cell-Derived C-Myc-Immortalized Mesenchymal Stem Cells. 2016 , 1416, 477-94	28
1202	Monocyte exosomes induce adhesion molecules and cytokines via activation of NF-B in endothelial cells. 2016 , 30, 3097-106	105
1201	Mesenchymal Stem Cells. 2016 ,	9
1200	Diagnostic, prognostic and predictive value of cell-free miRNAs in prostate cancer: a systematic review. 2016 , 15, 41	60
1199	Origin of life: LUCA and extracellular membrane vesicles (EMVs). 2016 , 15, 7-15	10
1198	Effective isolation of exosomes with polyethylene glycol from cell culture supernatant for in-depth proteome profiling. 2016 , 141, 4640-6	111
1197	Extracellular vesicles in blood, milk and body fluids of the female and male urogenital tract and with special regard to reproduction. 2016 , 53, 379-95	51
1196	Sources and Functions of Extracellular Small RNAs in Human Circulation. 2016 , 36, 301-36	83
1195	Extracellular Vesicles: Satellites of Information Transfer in Cancer and Stem Cell Biology. 2016 , 37, 301-309	123

1194	Extracellular Vesicles Exploit Viral Entry Routes for Cargo Delivery. 2016 , 80, 369-86	152
1193	Introduction to Extracellular Vesicles: Biogenesis, RNA Cargo Selection, Content, Release, and Uptake. 2016 , 36, 301-12	694
1192	Tumor-Derived Exosomes and Their Role in Cancer Progression. 2016 , 74, 103-41	375
1191	Bacterial Hsp70 (DnaK) and mammalian Hsp70 interact differently with lipid membranes. 2016 , 21, 609-16	19
1190	Illuminating the physiology of extracellular vesicles. 2016 , 7, 55	62
1189	MicroRNA-141 is upregulated in preeclamptic placentae and regulates trophoblast invasion and intercellular communication. 2016 , 172, 61-72	80
1188	Optogenetic oligomerization of Rab GTPases regulates intracellular membrane trafficking. 2016 , 12, 431-6	39
1187	Bio-inspired virus-like nanovesicle for effective vaccination. 2016 , 12, 2090-2091	6
1186	Exosome and polymersome for potential theranostic applications. 2016 , 24, 577-586	5
1185	CMTM3 presents a secreted form released via exosomes. 2016 , 48, 584-6	4
1185		
1184	Encapsulation of a photosensitizer into cell membrane capsules for photodynamic therapy. 2016 , 6, 37212-37 Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma	229
1184	Encapsulation of a photosensitizer into cell membrane capsules for photodynamic therapy. 2016 , 6, 37212-37 Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma membrane. 2016 , 73, 3897-916 The growth determinants and transport properties of tunneling nanotube networks between B	11
1184 1183 1182	Encapsulation of a photosensitizer into cell membrane capsules for photodynamic therapy. 2016 , 6, 37212-37 Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma membrane. 2016 , 73, 3897-916 The growth determinants and transport properties of tunneling nanotube networks between B lymphocytes. 2016 , 73, 4531-4545 High levels of circulating extracellular vesicles with altered expression and function during	22 29 11 24
1184 1183 1182 1181	Encapsulation of a photosensitizer into cell membrane capsules for photodynamic therapy. 2016, 6, 37212-37 Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma membrane. 2016, 73, 3897-916 The growth determinants and transport properties of tunneling nanotube networks between B lymphocytes. 2016, 73, 4531-4545 High levels of circulating extracellular vesicles with altered expression and function during pregnancy. 2016, 221, 753-60	22 29 11 24 22
1184 1183 1182 1181 1180	Encapsulation of a photosensitizer into cell membrane capsules for photodynamic therapy. 2016, 6, 37212-37 Capsid-deficient alphaviruses generate propagative infectious microvesicles at the plasma membrane. 2016, 73, 3897-916 The growth determinants and transport properties of tunneling nanotube networks between B lymphocytes. 2016, 73, 4531-4545 High levels of circulating extracellular vesicles with altered expression and function during pregnancy. 2016, 221, 753-60 New emerging tasks for microRNAs in the control of Ecell activities. 2016, 1861, 2121-2129 Comparison of two endogenous delivery agents in cancer therapy: Exosomes and ferritin. 2016,	22 29 11 24 22 29

1176	Effects of pramipexole treatment on the Bynuclein content in serum exosomes of Parkinson's disease patients. 2016 , 12, 1373-1376	6
1175	Circulating cell-derived microparticles as biomarkers in cardiovascular disease. 2016 , 10, 1009-22	19
1174	The Neonatal Salivary Transcriptome. 2015 , 6, a026369	4
1173	Exosomes: From Functions in Host-Pathogen Interactions and Immunity to Diagnostic and Therapeutic Opportunities. 2016 , 172, 39-75	15
1172	The Role of Extracellular Vesicle and Tunneling Nanotube-Mediated Intercellular Cross-Talk Between Mesenchymal Stem Cells and Human Peripheral T Cells. 2016 , 25, 1818-1832	39
1171	Diagnostic technologies for circulating tumour cells and exosomes. 2015 , 36, e00292	50
1170	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. 2016 , 95, 109	43
1169	Extracellular Vesicles and Vascular Injury: New Insights for Radiation Exposure. 2016 , 186, 203-18	28
1168	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
1167	Good things come in small packages: Overcoming challenges to harness extracellular vesicles for therapeutic delivery. 2016 , 241, 174-185	91
1166	From pathogenesis to clinical application: insights into exosomes as transfer vectors in cancer. 2016 , 35, 156	27
1165	MicroRNAs as CNS Drug Targets. 2016 , 77, 331-335	2
1164	Astrocytes as secretory cells of the central nervous system: idiosyncrasies of vesicular secretion. 2016 , 35, 239-57	230
1163	The danger from within: alarmins in arthritis. 2016 , 12, 669-683	83
1162	DNA in serum extracellular vesicles is stable under different storage conditions. 2016 , 16, 753	72
1161	Exosome-based tumor antigens-adjuvant co-delivery utilizing genetically engineered tumor cell-derived exosomes with immunostimulatory CpG DNA. 2016 , 111, 55-65	166
1160	Glial Cells in Health and Disease of the CNS. 2016 ,	6
1159	Schwann Cell and Axon: An Interlaced Unit-From Action Potential to Phenotype Expression. 2016 , 949, 183-201	7

1158	Mechanism analysis of colorectal cancer according to the microRNA expression profile. 2016 , 12, 2329-2336	14
1157	Integrins and heparan sulfate proteoglycans on hepatic stellate cells (HSC) are novel receptors for HSC-derived exosomes. 2016 , 590, 4263-4274	46
1156	Comprehensive Proteomic Analysis of Human Milk-derived Extracellular Vesicles Unveils a Novel Functional Proteome Distinct from Other Milk Components. 2016 , 15, 3412-3423	77
1155	Nanomechanical sandwich assay for multiple cancer biomarkers in breast cancer cell-derived exosomes. 2016 , 8, 15137-41	62
1154	Increasing of blastocyst rate and gene expression in co-culture of bovine embryos with adult adipose tissue-derived mesenchymal stem cells. 2016 , 33, 1395-1403	10
1153	Proteomic profiling of Gram-negative bacterial outer membrane vesicles: Current perspectives. 2016 , 10, 897-909	59
1152	Origin of axonal proteins: Is the axon-schwann cell unit a functional syncytium?. 2016 , 73, 629-639	19
1151	Detection of long non-coding RNAs in human breastmilk extracellular vesicles: Implications for early child development. 2016 , 11, 721-729	51
1150	Exosomes from the tumor microenvironment as reciprocal regulators that enhance prostate cancer progression. 2016 , 23, 734-44	25
1149	Exosomal Proteins as Diagnostic Biomarkers in Lung Cancer. 2016 , 11, 1701-10	154
1149	Exosomal Proteins as Diagnostic Biomarkers in Lung Cancer. 2016, 11, 1701-10 Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016, 5, 304-14	154 24
1148	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human	
1148	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016 , 5, 304-14	24
1148	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016 , 5, 304-14 Microglia communication: Parallels between aging and Alzheimer's disease. 2016 , 7, 114-125	24
1148 1147 1146	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016, 5, 304-14 Microglia communication: Parallels between aging and Alzheimer's disease. 2016, 7, 114-125 A liposome-based size calibration method for measuring microvesicles by flow cytometry. 2016, 14, 186-90 Mesenchymal stem/stromal cell-derived extracellular vesicles as a new approach in stem cell	24 50 21
1148 1147 1146	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016, 5, 304-14 Microglia communication: Parallels between aging and Alzheimer's disease. 2016, 7, 114-125 A liposome-based size calibration method for measuring microvesicles by flow cytometry. 2016, 14, 186-90 Mesenchymal stem/stromal cell-derived extracellular vesicles as a new approach in stem cell therapy. 2016, 11, 228-234	24 50 21 7
1148 1147 1146 1145	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016, 5, 304-14 Microglia communication: Parallels between aging and Alzheimer's disease. 2016, 7, 114-125 A liposome-based size calibration method for measuring microvesicles by flow cytometry. 2016, 14, 186-90 Mesenchymal stem/stromal cell-derived extracellular vesicles as a new approach in stem cell therapy. 2016, 11, 228-234 Elucidation of Exosome Migration across the Blood-Brain Barrier Model In Vitro. 2016, 9, 509-529	24 50 21 7

1140	Mesenchymal Stem Cell-Derived Exosomes Promote Fracture Healing in a Mouse Model. 2016 , 5, 1620-1630	236
1139	Apoptosis in Cancer Pathogenesis and Anti-cancer Therapy. 2016,	3
1138	Microenvironmental Effects of Cell Death in Malignant Disease. 2016 , 930, 51-88	18
1137	Effect of Biophysical Properties of Phosphatidylserine Particle on Immune Tolerance Induction Toward Factor VIII in a Hemophilia A Mouse Model. 2016 , 105, 3039-3045	6
1136	Circulating exosomes from patients with systemic lupus erythematosus induce an proinflammatory immune response. 2016 , 18, 264	67
1135	Plasma extracellular RNA profiles in healthy and cancer patients. 2016 , 6, 19413	175
1134	Immunomodulation by adult stem cells. 2016 , 20-49	О
1133	Emerging roles of extracellular vesicles in neurodegenerative disorders: focus on HIV-associated neurological complications. 2016 , 7, e2481	34
1132	Mast Cell Degranulation Is Accompanied by the Release of a Selective Subset of Extracellular Vesicles That Contain Mast Cell-Specific Proteases. 2016 , 197, 3382-3392	36
1131	Port-to-port delivery: Mobilization of toxic sphingolipids via extracellular vesicles. 2016 , 94, 1333-40	12
1130	Sending a message: extracellular vesicles of pathogenic protozoan parasites. 2016 , 14, 669-675	68
1129	Stimulated release and functional activity of surface expressed metalloproteinase ADAM17 in exosomes. 2016 , 1863, 2795-2808	38
1128	New strategies for improving stem cell therapy in ischemic heart disease. 2016 , 21, 737-752	31
1127	Potential Roles of Fungal Extracellular Vesicles during Infection. 2016 , 1,	73
1126	Microvesdulas en clicer de mama. 2016 , 29, 125-131	
1125	Vectorization of biomacromolecules into cells using extracellular vesicles with enhanced internalization induced by macropinocytosis. 2016 , 6, 34937	40
1124	Exosomal proteins as prognostic biomarkers in non-small cell lung cancer. 2016 , 10, 1595-1602	140
1123	In Vivo therapeutic potential of mesenchymal stem cell-derived extracellular vesicles with optical imaging reporter in tumor mice model. 2016 , 6, 30418	40

(2016-2016)

1122	Low-density lipoprotein mimics blood plasma-derived exosomes and microvesicles during isolation and detection. 2016 , 6, 24316	263
1121	Schistosomal MicroRNAs Isolated From Extracellular Vesicles in Sera of Infected Patients: A New Tool for Diagnosis and Follow-up of Human Schistosomiasis. 2017 , 215, 378-386	37
1120	Self-Renewal of Bone Marrow Stem Cells by Nanovesicles Engineered from Embryonic Stem Cells. 2016 , 5, 3148-3156	19
1119	Exosomes Detection by a Label-free Localized Surface Plasmonic Resonance Method. 2016 , 75, 11-17	11
1118	Massive release of extracellular vesicles from cancer cells after photodynamic treatment or chemotherapy. 2016 , 6, 35376	68
1117	Microvesicles in Autoimmune Diseases. 2016 , 77, 125-175	32
1116	Real time and label free profiling of clinically relevant exosomes. 2016 , 6, 30460	106
1115	Epithelial cell-derived microvesicles activate macrophages and promote inflammation via microvesicle-containing microRNAs. 2016 , 6, 35250	98
1114	Functional transferred DNA within extracellular vesicles. 2016 , 349, 179-183	55
1113	Structural and functional characterization of endothelial microparticles released by cigarette smoke. 2016 , 6, 31596	80
1112	A novel affinity-based method for the isolation of highly purified extracellular vesicles. 2016 , 6, 33935	221
1111	Osteoclast-derived microRNA-containing exosomes selectively inhibit osteoblast activity. 2016 , 2, 16015	162
1110	Macrophage Foam Cell-Derived Extracellular Vesicles Promote Vascular Smooth Muscle Cell Migration and Adhesion. 2016 , 5,	79
1109	Revealing the diversity of extracellular vesicles using high-dimensional flow cytometry analyses. 2016 , 6, 35928	52
1108	Isolation and Profiling of MicroRNA-containing Exosomes from Human Bile. 2016,	5
1107	Modulation of Immune Responses by Exosomes Derived from Antigen-Presenting Cells. 2016 , 9, 1-8	46
1106	High intravascular tissue factor-but not extracellular microvesicles-in septic patients is associated with a high SAPS II score. 2016 , 4, 34	6
1105	Cell Ghosts: Cellular Membranes for Drug Delivery. 2016 , 225-273	3

1104	Oxygen-Related Differences in Cellular and Vesicular Phenotypes Observed for Ovarian Cell Cancer Lines. 2016 , 5, 1	9
1103	Targeting soluble proteins to exosomes using a ubiquitin tag. 2016 , 113, 1315-24	38
1102	Fibronectin binding protein and Ca play an access key role to mediate pathogenesis in Mycobacterium tuberculosis: An overview. 2016 , 63, 820-826	9
1101	A fragmented form of annexin A1 is secreted from C2C12 myotubes by electric pulse-induced contraction. 2016 , 411, 173-80	5
1100	Changing the (Intercellular) Conversation: a Potential Role for Exosomal Transfer of microRNA in Environmental Health. 2016 , 3, 154-160	2
1099	Lentiviral Vectors and Exosomes as Gene and Protein Delivery Tools. 2016,	1
1098	Biogenesis and Functions of Exosomes and Extracellular Vesicles. 2016 , 1448, 201-16	68
1097	Generation, Quantification, and Tracing of Metabolically Labeled Fluorescent Exosomes. 2016 , 1448, 217-35	12
1096	Exosome-Mediated Targeted Delivery of miRNAs. 2016 , 1448, 261-70	29
1095	Exosome-like vesicles in uterine aspirates: a comparison of ultracentrifugation-based isolation protocols. 2016 , 14, 180	45
1094	Recent advances of exosomes in immune modulation and autoimmune diseases. 2016 , 49, 357-365	97
1093	Plasma-derived Extracellular Vesicles Contain Predictive Biomarkers and Potential Therapeutic Targets for Myocardial Ischemic (MI) Injury. 2016 , 15, 2628-40	78
1092	Prerequisites for the analysis and sorting of extracellular vesicle subpopulations by high-resolution flow cytometry. 2016 , 89, 135-47	121
1091	Exosomes as a Nanodelivery System: a Key to the Future of Neuromedicine?. 2016 , 53, 818-834	142
1090	Exosome-mediated inflammasome signaling after central nervous system injury. 2016 , 136 Suppl 1, 39-48	135
1089	Extracellular vesicles as carriers of microRNA, proteins and lipids in tumor microenvironment. 2016 , 138, 14-21	96
1088	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
1087	Microparticle analysis in disorders of hemostasis and thrombosis. 2016 , 89, 111-22	79

1086	More Than Tiny Sacks: Stem Cell Exosomes as Cell-Free Modality for Cardiac Repair. 2016 , 118, 330-43	122
1085	Integrated Magneto-Electrochemical Sensor for Exosome Analysis. 2016 , 10, 1802-9	274
1084	Microvesicles and exosomes: new players in metabolic and cardiovascular disease. 2016 , 228, R57-71	220
1083	New molecular insights in diabetic nephropathy. 2016 , 48, 373-87	9
1082	Extracellular vesicles in breast cancer drug resistance and their clinical application. 2016 , 37, 2849-61	16
1081	Secreted Oral Epithelial Cell Membrane Vesicles Induce Epstein-Barr Virus Reactivation in Latently Infected B Cells. 2016 , 90, 3469-79	22
1080	Exosomes and nanotubes: Control of immune cell communication. 2016 , 71, 44-54	76
1079	Emergence of exosomal miRNAs as a diagnostic biomarker for Alzheimer's disease. 2016 , 360, 141-52	82
1078	Stem cell-based therapies for the newborn lung and brain: Possibilities and challenges. 2016 , 40, 138-51	46
1077	Characterization of Microvesicles Released from Human Red Blood Cells. 2016 , 38, 1085-99	73
1076	HIV-Nef and ADAM17-Containing Plasma Extracellular Vesicles Induce and Correlate with Immune Pathogenesis in Chronic HIV Infection. 2016 , 6, 103-113	59
1075	Transfer of the Cystic Fibrosis Transmembrane Conductance Regulator to Human Cystic Fibrosis Cells Mediated by Extracellular Vesicles. 2016 , 27, 166-83	25
1074	The emerging roles of exosomes in tumor-stroma interaction. 2016 , 142, 1897-907	55
1073	Extracellular Vesicles in Brain Tumor Progression. 2016 , 36, 383-407	54
1072	The CD169 sialoadhesin molecule mediates cytotoxic T-cell responses to tumour apoptotic vesicles. 2016 , 94, 430-8	24
1071	Exosomes induce and reverse monocrotaline-induced pulmonary hypertension in mice. 2016 , 110, 319-30	142
1070	Exosomes derived from atorvastatin-modified bone marrow dendritic cells ameliorate experimental autoimmune myasthenia gravis by up-regulated levels of IDO/Treg and partly dependent on FasL/Fas pathway. 2016 , 13, 8	23
1069	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. 2016 , 16, 859-71	115

1068	Tumor cell-derived microparticles polarize M2 tumor-associated macrophages for tumor progression. 2016 , 5, e1118599	50
1067	Exposure of phosphatidylserine on the cell surface. 2016 , 23, 952-61	212
1066	Exosomal transfer of miR-30a between cardiomyocytes regulates autophagy after hypoxia. 2016 , 94, 711-24	118
1065	Getting to know the extracellular vesicle glycome. 2016 , 12, 1071-81	54
1064	Innovative biomarkers for predicting type 2 diabetes mellitus: relevance to dietary management of frailty in older adults. 2016 , 17, 511-27	2
1063	Epigenomic Studies in Epidemiology. 2016 , 163-182	1
1062	Safety evaluation of exosomes derived from human umbilical cord mesenchymal stromal cell. 2016 , 18, 413-22	73
1061	Extracellular Ribonucleic Acids (RNA) Enter the Stage in Cardiovascular Disease. 2016 , 118, 469-79	41
1060	Regulation of prostate cancer progression by the tumor microenvironment. 2016 , 380, 340-8	108
1059	Eavesdropping on altered cell-to-cell signaling in cancer by secretome profiling. 2016 , 3, e1029061	5
1058	Equine Amniotic Microvesicles and Their Anti-Inflammatory Potential in a Tenocyte Model In Vitro. 2016 , 25, 610-21	33
1057	Role of Alix in miRNA packaging during extracellular vesicle biogenesis. 2016 , 37, 958-66	84
1056	Disease Mechanisms in ALS: Misfolded SOD1 Transferred Through Exosome-Dependent and Exosome-Independent Pathways. 2016 , 36, 377-81	60
1055	Epithelial Microvesicles Promote an Inflammatory Phenotype in Fibroblasts. 2016 , 95, 680-8	12
1054	Monocyte cell membrane-derived nanoghosts for targeted cancer therapy. 2016 , 8, 6981-5	85
1053	Biomolecular features of inflammation in obese rheumatoid arthritis patients: management considerations. 2016 , 12, 751-62	9
1052	Extracellular Vesicles Originate from the Conceptus and Uterus During Early Pregnancy in Sheep. 2016 , 94, 56	87
1051	The potential diagnostic power of extracellular vesicle analysis for multiple myeloma. 2016 , 16, 277-84	10

(2016-2016)

1050	Endothelial and Smooth Muscle Cell Interactions in the Pathobiology of Pulmonary Hypertension. 2016 , 54, 451-60	69
1049	Apoptotic vesicles as tumor vaccine. 2016 , 8, 5-8	2
1048	PEGylated and targeted extracellular vesicles display enhanced cell specificity and circulation time. 2016 , 224, 77-85	254
1047	Circulating melanoma exosomes as diagnostic and prognosis biomarkers. 2016 , 454, 28-32	101
1046	Circulating microRNAs as novel biomarkers for bone diseases - Complex signatures for multifactorial diseases?. 2016 , 432, 83-95	110
1045	Extracellular vesicles Thew tool for joint repair and regeneration. 2016 , 12, 243-9	100
1044	Extracellular vesicles of the blood-brain barrier. 2016 , 4, e1131804	57
1043	HIV Protocols. 2016 ,	
1042	CD109 is a component of exosome secreted from cultured cells. 2016 , 469, 816-22	16
1041	ExoCarta: A Web-Based Compendium of Exosomal Cargo. 2016 , 428, 688-692	674
1040	Role of extracellular vesicles in autoimmune diseases. 2016 , 15, 174-83	86
1039	Human mesenchymal stem cells and derived extracellular vesicles induce regulatory dendritic cells in type 1 diabetic patients. 2016 , 59, 325-33	86
1038	Development of exosome-encapsulated paclitaxel to overcome MDR in cancer cells. 2016 , 12, 655-664	609
1037	Spheroid Mesenchymal Stem Cells and Mesenchymal Stem Cell-Derived Microvesicles: Two Potential Therapeutic Strategies. 2016 , 25, 203-13	31
1036	Restoring Anticancer Immune Response by Targeting Tumor-Derived Exosomes With a HSP70 Peptide Aptamer. 2016 , 108,	118
1035	Exosome-inspired targeting of cancer cells with enhanced affinity. 2016 , 4, 768-778	10
1034	Behavioral experiences as drivers of oligodendrocyte lineage dynamics and myelin plasticity. 2016 , 110, 548-562	34
1033	Development of an aptasensor for electrochemical detection of exosomes. 2016 , 97, 88-93	155

1032	miR-210 and hypoxic microvesicles: Two critical components of hypoxia involved in the regulation of killer cells function. 2016 , 380, 257-62	28
1031	Paracrine tumor signaling induces transdifferentiation of surrounding fibroblasts. 2016 , 97, 303-11	53
1030	Effect of exosome isolation methods on physicochemical properties of exosomes and clearance of exosomes from the blood circulation. 2016 , 98, 1-8	100
1029	The contribution of tumour-derived exosomes to the hallmarks of cancer. 2016 , 53, 121-31	74
1028	Development of a magnetic bead-based method for the collection of circulating extracellular vesicles. 2016 , 33, 116-22	25
1027	Extracellular vesicle-derived protein from Bifidobacterium longum alleviates food allergy through mast cell suppression. 2016 , 137, 507-516.e8	85
1026	Identification of EDIL3 on extracellular vesicles involved in breast cancer cell invasion. 2016 , 131, 17-28	45
1025	Integrating innate and adaptive immune cells: Mast cells as crossroads between regulatory and effector B and T cells. 2016 , 778, 84-9	24
1024	The modulation of co-stimulatory molecules by circulating exosomes in primary biliary cirrhosis. 2017 , 14, 276-284	37
1023	Exosomes miR-126a released from MDSC induced by DOX treatment promotes lung metastasis. 2017 , 36, 639-651	115
1022	Exosomes mediate hepatitis B virus (HBV) transmission and NK-cell dysfunction. 2017 , 14, 465-475	107
1021	Circulating markers of ageing and allostatic load: A slow train coming. 2017 , 7, 49-54	31
1020	A nano flow cytometer for single lipid vesicle analysis. 2017 , 17, 830-841	51
1019	Functions of Cancer-Derived Extracellular Vesicles in Immunosuppression. 2017 , 65, 311-323	70
1018	Extracellular vesicles from activated platelets: a semiquantitative cryo-electron microscopy and immuno-gold labeling study. 2017 , 28, 263-271	94
1017	Effect of bovine oviductal extracellular vesicles on embryo development and quality. 2017 , 153, 461-470	75
1016	Cell membrane-coated nanoparticles for tumor-targeted drug delivery. 2017 , 60, 504-510	24
1015	Extracellular vesicle communication pathways as regulatory targets of oncogenic transformation. 2017 , 67, 11-22	81

1	014	Type 1 diabetes pathogenesis is modulated by spontaneous autoimmune responses to endogenous retrovirus antigens in NOD mice. 2017 , 47, 575-584	22
1	.013	[The microRNAs as biomarkers: What prospects?]. 2017 , 340, 114-131	26
1	012	Tracing Cellular Origin of Human Exosomes Using Multiplex Proximity Extension Assays. 2017 , 16, 502-511	47
1	011	Characteristics and Roles of Exosomes in Cardiovascular Disease. 2017 , 36, 202-211	70
1	010	Exosomes derived from human menstrual blood-derived stem cells alleviate fulminant hepatic failure. 2017 , 8, 9	105
1	2009	RNA in extracellular vesicles. 2017 , 8, e1413	245
1	2008	Exosomes participate in the carcinogenesis and the malignant behavior of gastric cancer. 2017 , 52, 499-504	31
1	.007	Concentration-Normalized Electroanalytical Assaying of Exosomal Markers. 2017 , 89, 3184-3190	45
1	.006	Extracellular vesicles and blood diseases. 2017 , 105, 392-405	34
1	005	Exosomes as novel bio-carriers for gene and drug delivery. 2017 , 521, 167-175	182
1	004	MVP-mediated exosomal sorting of miR-193a promotes colon cancer progression. 2017 , 8, 14448	254
1	.003	Microparticles in Chronic Heart Failure. 2017 , 81, 1-41	9
1	002	Cancer-associated circulating large extracellular vesicles in cholangiocarcinoma and hepatocellular carcinoma. 2017 , 67, 282-292	85
1	.001	Screening of exosomal microRNAs from colorectal cancer cells. 2016 , 17, 427-435	24
1	.000	Pharmacokinetics of Exosomes-An Important Factor for Elucidating the Biological Roles of Exosomes and for the Development of Exosome-Based Therapeutics. 2017 , 106, 2265-2269	108
9	99	Microparticles in nasal lavage fluids in chronic rhinosinusitis: Potential biomarkers for diagnosis of aspirin-exacerbated respiratory disease. 2017 , 140, 720-729	24
9	98	Leukemia microvesicles affect healthy hematopoietic stem cells. 2017 , 39, 1010428317692234	21
9	997	Exosome-based immunomodulation during aging: A nano-perspective on inflamm-aging. 2017 , 168, 44-53	51

996	Isolation and characterization of exosomes derived from fertile sheep hydatid cysts. 2017, 236, 22-33	45
995	Wnt5b-associated exosomes promote cancer cell migration and proliferation. 2017 , 108, 42-52	84
994	Targeted si-RNA with liposomes and exosomes (extracellular vesicles): How to unlock the potential. 2017 , 525, 293-312	26
993	A novel strategy to achieve effective drug delivery: exploit cells as carrier combined with nanoparticles. 2017 , 24, 83-91	59
992	Exosomes in cancer theranostic: Diamonds in the rough. 2017 , 11, 151-163	44
991	How to quantify microparticles in RBCs? A validated flow cytometry method allows the detection of an increase in microparticles during storage. 2017 , 57, 504-516	10
990	The role of pancreatic cancer-derived exosomes in cancer progress and their potential application as biomarkers. 2017 , 19, 921-930	28
989	Designing nanomedicine for immuno-oncology. 2017 , 1,	138
988	Neuroimmune mechanisms of behavioral alterations in a syngeneic murine model of human papilloma virus-related head and neck cancer. 2017 , 79, 59-66	16
987	Extracellular vesicles in lung cancer-From bench to bedside. 2017 , 67, 39-47	38
986	Lipid profiles of follicular fluid from cows submitted to ovarian superstimulation. 2017, 94, 64-70	9
985	A new approach in stem cell research-Exosomes: Their mechanism of action via cellular pathways. 2017 , 41, 466-475	35
984	Adipose-derived circulating miRNAs regulate gene expression in other tissues. 2017 , 542, 450-455	770
983	Insights into the human brain proteome: Disclosing the biological meaning of protein networks in cerebrospinal fluid. 2017 , 54, 185-204	18
982	Urinary extracellular vesicles. A promising shortcut to novel biomarker discoveries. 2017, 369, 217-227	29
981	Characterisation of adipocyte-derived extracellular vesicle subtypes identifies distinct protein and lipid signatures for large and small extracellular vesicles. 2017 , 6, 1305677	102
980	Prospects and limitations of antibody-mediated clearing of lipoproteins from blood plasma prior to nanoparticle tracking analysis of extracellular vesicles. 2017 , 6, 1308779	31
979	Trophic Effects of Mesenchymal Stem Cells in Tissue Regeneration. 2017 , 23, 515-528	142

(2017-2017)

978	Platelet hyperactivation, apoptosis and hypercoagulability in patients with acute pulmonary embolism. 2017 , 155, 106-115	16
977	Age-Related Changes in Plasma Extracellular Vesicle Characteristics and Internalization by Leukocytes. 2017 , 7, 1342	129
976	Mechanical Properties of Membranes Composed of Gel-Phase or Fluid-Phase Phospholipids Probed on Liposomes by Atomic Force Spectroscopy. 2017 , 33, 5117-5126	59
975	Quantum dot-based sensitive detection of disease specific exosome in serum. 2017 , 142, 2211-2219	104
974	Elevated levels of circulating exosome in COPD patients are associated with systemic inflammation. 2017 , 132, 261-264	47
973	Effect of circulating exosomes from transition cows on Madin-Darby bovine kidney cell function. 2017 , 100, 5687-5700	8
972	Herpesviruses hijack host exosomes for viral pathogenesis. 2017 , 67, 91-100	58
971	Curcumin Encapsulated in Milk Exosomes Resists Human Digestion and Possesses Enhanced Intestinal Permeability in Vitro. 2017 , 183, 993-1007	86
970	Emergent properties of extracellular vesicles: a holistic approach to decode the complexity of intercellular communication networks. 2017 , 13, 1291-1296	41
969	MicroRNAs in Diabetes and Its Vascular Complications. 2017 , 39-59	
968	Exosomes-Based Gene Therapy for MicroRNA Delivery. 2017 , 1521, 139-152	62
967	Thymic Dendritic Cell Subsets Display Distinct Efficiencies and Mechanisms of Intercellular MHC Transfer. 2017 , 198, 249-256	23
966	Microvesicle transfer of kinin B1-receptors is a novel inflammatory mechanism in vasculitis. 2017 , 91, 96-105	33
965	Caspase-8 controls the secretion of inflammatory lysyl-tRNA synthetase in exosomes from cancer cells. 2017 , 216, 2201-2216	47
964	Cooperative tumour cell membrane targeted phototherapy. 2017 , 8, 15880	29
963	Labeling Extracellular Vesicles for Nanoscale Flow Cytometry. 2017 , 7, 1878	185
962	Arginine-rich cell-penetrating peptide-modified extracellular vesicles for active macropinocytosis induction and efficient intracellular delivery. 2017 , 7, 1991	91
961	Extracellular Vesicles in Cardiovascular Disease: Potential Applications in Diagnosis, Prognosis, and Epidemiology. 2017 , 120, 1649-1657	127

960	Materials and microfluidics: enabling the efficient isolation and analysis of circulating tumour cells. 2017 , 46, 4245-4280	101
959	Protective Effect of Intravitreal Administration of Exosomes Derived from Mesenchymal Stem Cells on Retinal Ischemia. 2017 , 42, 1358-1367	52
958	Nanotubes connecting B lymphocytes: High impact of differentiation-dependent lipid composition on their growth and mechanics. 2017 , 1862, 991-1000	9
957	Granulocytes as modulators of dendritic cell function. 2017 , 102, 1003-1016	30
956	Metalloproteinases in extracellular vesicles. 2017 , 1864, 1989-2000	72
955	A Systematic Evaluation of Factors Affecting Extracellular Vesicle Uptake by Breast Cancer Cells. 2017 , 23, 1274-1282	12
954	Biochemical and structural features of extracellular vesicle-binding RNA aptamers. 2017, 6, 615-626	7
953	Exosome Classification by Pattern Analysis of Surface-Enhanced Raman Spectroscopy Data for Lung Cancer Diagnosis. 2017 , 89, 6695-6701	131
952	Stem Cell Therapy for Type-1 Diabetes Mellitus. 2017 , 35-72	
951	Exosomes: A Valuable Biomedical Tool in Biomarker Discovery and Development. 2017 , 50-63	2
951 950	Exosomes: A Valuable Biomedical Tool in Biomarker Discovery and Development. 2017 , 50-63 Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017 , 129-157	5
950	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017 , 129-157 Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and	5
950	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017 , 129-157 Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. 2017 , 108, 334-344 Cancer-associated fibroblasts induce cancer cell apoptosis that regulates invasion mode of	5
950 949 948	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017, 129-157 Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. 2017, 108, 334-344 Cancer-associated fibroblasts induce cancer cell apoptosis that regulates invasion mode of tumours. 2017, 36, 4434-4444 Extracellular Vesicle-functionalized Decalcified Bone Matrix Scaffolds with Enhanced	5 48 42
950 949 948 947	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017, 129-157 Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. 2017, 108, 334-344 Cancer-associated fibroblasts induce cancer cell apoptosis that regulates invasion mode of tumours. 2017, 36, 4434-4444 Extracellular Vesicle-functionalized Decalcified Bone Matrix Scaffolds with Enhanced Pro-angiogenic and Pro-bone Regeneration Activities. 2017, 7, 45622 Hypoxia Inducible Factor-1 Potentiates Jagged 1-Mediated Angiogenesis by Mesenchymal Stem	5 48 42 84
950 949 948 947 946	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017, 129-157 Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. 2017, 108, 334-344 Cancer-associated fibroblasts induce cancer cell apoptosis that regulates invasion mode of tumours. 2017, 36, 4434-4444 Extracellular Vesicle-functionalized Decalcified Bone Matrix Scaffolds with Enhanced Pro-angiogenic and Pro-bone Regeneration Activities. 2017, 7, 45622 Hypoxia Inducible Factor-1 Potentiates Jagged 1-Mediated Angiogenesis by Mesenchymal Stem Cell-Derived Exosomes. 2017, 35, 1747-1759 Large-scale isolation and cytotoxicity of extracellular vesicles derived from activated human natural	5 48 42 84 190

(2017-2017)

942	Chemotherapeutic tumor microparticles combining low-dose irradiation reprogram tumor-promoting macrophages through a tumor-repopulating cell-curtailing pathway. 2017 , 6, e1309487	17
941	Characterization of exosomal RNAs derived from human gastric cancer cells by deep sequencing. 2017 , 39, 1010428317695012	17
940	Molecular Oncology: Underlying Mechanisms and Translational Advancements. 2017,	1
939	Immunopathology in Toxicology and Drug Development. 2017 ,	O
938	Molecular characterization of human osteoblast-derived extracellular vesicle mRNA using next-generation sequencing. 2017 , 1864, 1133-1141	15
937	Cell-based therapy using miR-302-367 expressing cells represses glioblastoma growth. 2017 , 8, e2713	43
936	Non-coding RNAs in the Vasculature. 2017 ,	
935	Exosomes: a new horizon in lung cancer. 2017 , 22, 927-936	64
934	TLR-exosomes exhibit distinct kinetics and effector function. 2017 , 7, 41623	15
933	Microvesicles released by apoptotic human neutrophils suppress proliferation and IL-2/IL-2 receptor expression of resting T helper cells. 2017 , 47, 900-910	18
932	Direct detection of two different tumor-derived extracellular vesicles by SAM-AuNIs LSPR biosensor. 2017 , 94, 400-407	100
931	Extracellular vesicle mimetics: Novel alternatives to extracellular vesicle-based theranostics, drug delivery, and vaccines. 2017 , 67, 74-82	42
930	Emerging role of extracellular vesicles in communication of preimplantation embryos in vitro. 2016 , 29, 66-83	17
929	Microparticles and Fibrinolysis. 2017 , 43, 129-134	24
928	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. 2017 , 29, 1603239	100
927	Magnetic and Folate Functionalization Enables Rapid Isolation and Enhanced Tumor-Targeting of Cell-Derived Microvesicles. 2017 , 11, 277-290	98
926	Exosomes and Neuroregulation. 2017 , 313-328	
925	Fast therapeutic DNA internalization - A high potential transfection system based on a peptide mimicking cationic lipid. 2017 , 118, 38-47	7

924	Microfluidic approaches for isolation, detection, and characterization of extracellular vesicles: Current status and future directions. 2017 , 91, 588-605	122
923	Intra- or extra-exosomal secretion of HDGF isoforms: the extraordinary function of the HDGF-A N-terminal peptide. 2017 , 398, 793-811	3
922	Exosomes and Microvesicles. 2017 ,	7
921	Extracellular vesicles of the blood-brain barrier: Role in the HIV-1 associated amyloid beta pathology. 2017 , 79, 12-22	35
920	Imaging and Quantification of Extracellular Vesicles by Transmission Electron Microscopy. 2017 , 1545, 43-54	36
919	Purification and Analysis of Exosomes Released by Mature Cortical Neurons Following Synaptic Activation. 2017 , 1545, 129-138	13
918	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. 2017, 53, 945-948	40
917	Glucose and angiotensin II-derived endothelial extracellular vesicles regulate endothelial dysfunction via ERK1/2 activation. 2017 , 469, 293-302	17
916	Isolation and characterization of urinary extracellular vesicles: implications for biomarker discovery. 2017 , 13, 731-749	208
915	Rab27-Dependent Exosome Production Inhibits Chronic Inflammation and Enables Acute Responses to Inflammatory Stimuli. 2017 , 199, 3559-3570	53
914	Enhanced Class I Tumor Antigen Presentation via Cytosolic Delivery of Exosomal Cargos by Tumor-Cell-Derived Exosomes Displaying a pH-Sensitive Fusogenic Peptide. 2017 , 14, 4079-4086	41
913	Autoimmune Responses to Exosomes and Candidate Antigens Contribute to Type 1 Diabetes in Non-Obese Diabetic Mice. 2017 , 17, 130	12
912	Rapid and Easy Extracellular Vesicle Detection on a Surface-Functionalized Power-Free Microchip toward Point-of-Care Diagnostics. 2017 , 2, 6703-6707	5
911	Therapeutic application of extracellular vesicles in kidney disease: promises and challenges. 2018 , 22, 728-737	47
910	Exosomal surface protein markers in diagnosis of colorectal cancer. 2017 , 51, 659-665	5
909	Extracellular Vesicles. 2017,	7
908	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Provide Long-Term Survival After Total Body Irradiation Without Additional Hematopoietic Stem Cell Support. 2017 , 35, 2379-2389	35
907	The Multifaceted Functions of Exosomes in Health and Disease: An Overview. 2017 , 998, 3-19	34

906	Netrin-1 Promotes Inflammation Resolution to Achieve Endothelialization of Small-Diameter Tissue Engineering Blood Vessels by Improving Endothelial Progenitor Cells Function In Situ. 2017 , 4, 1700278	16
905	Extracellular vesicles as an efficient nanoplatform for the delivery of therapeutics. 2017 , 13, 2678-2687	16
904	Cell-to-cell communication: microRNAs as hormones. 2017 , 11, 1673-1686	186
903	IL-12 stimulates CTLs to secrete exosomes capable of activating bystander CD8 T cells. 2017 , 7, 13365	32
902	High-purity capture and release of circulating exosomes using an exosome-specific dual-patterned immunofiltration (ExoDIF) device. 2017 , 9, 13495-13505	76
901	Stem cell-derived exosomes: a novel vector for tissue repair and diabetic therapy. 2017 , 59, R155-R165	22
900	Metastatic state of parent cells influences the uptake and functionality of prostate cancer cell-derived extracellular vesicles. 2017 , 6, 1354645	16
899	Monoubiquitination of syntaxin 3 leads to retrieval from the basolateral plasma membrane and facilitates cargo recruitment to exosomes. 2017 , 28, 2843-2853	16
898	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. 2017, 129, 12078-12082	29
897	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. 2017, 56, 11916-11920	281
896	Extracellular Vesicles: A Brief Overview and Its Role in Precision Medicine. 2017 , 1660, 1-14	9
895	Specific and Generic Isolation of Extracellular Vesicles with Magnetic Beads. 2017 , 1660, 65-87	20
894	Tumor-derived exosomes modulate PD-L1 expression in monocytes. 2017 , 2,	170
893	Exosomes Derived from Mesenchymal Stem Cells Rescue Myocardial Ischaemia/Reperfusion Injury by Inducing Cardiomyocyte Autophagy Via AMPK and Akt Pathways. 2017 , 43, 52-68	192
892	Pleomorphic bacteria-like structures in human blood represent non-living membrane vesicles and protein particles. 2017 , 7, 10650	8
891	Antibiotic-induced release of small extracellular vesicles (exosomes) with surface-associated DNA. 2017 , 7, 8202	73
890	Extracellular vesicle-mediated MFG-E8 localization in the extracellular matrix is required for its integrin-dependent function in mouse mammary epithelial cells. 2017 , 22, 885-899	4
889	Neutrophil transfer of to lung epithelial cells dampens acute lung injury in mice. 2017, 9,	117

888	Qualitative differences in T-cell activation by dendritic cell-derived extracellular vesicle subtypes. 2017 , 36, 3012-3028	170
887	Therapeutic Potential of Hematopoietic Stem Cell-Derived Exosomes in Cardiovascular Disease. 2017 , 998, 221-235	13
886	Functional Role of Cardiovascular Exosomes in Myocardial Injury and Atherosclerosis. 2017, 998, 45-58	16
885	Supported Planar Mammalian Membranes as Models of in Vivo Cell Surface Architectures. 2017 , 9, 35526-35	53 & 7
884	Exosomes as new players in metabolic organ cross-talk. 2017 , 19 Suppl 1, 137-146	117
883	Low active loading of cargo into engineered extracellular vesicles results in inefficient miRNA mimic delivery. 2017 , 6, 1333882	47
882	Bronchoalveolar Lavage Microvesicles Protect Burn-Injured Mice from Pulmonary Infection. 2017 , 225, 538-547	8
881	Recent advances on extracellular vesicles in therapeutic delivery: Challenges, solutions, and opportunities. 2017 , 119, 381-395	26
880	Stem cell-derived exosomes: A promising strategy for fracture healing. 2017 , 50,	52
879	Human milk exosomes and their microRNAs survive digestion in vitro and are taken up by human intestinal cells. 2017 , 61, 1700082	143
878	SILAC Based Proteomic Characterization of Exosomes from HIV-1 Infected Cells. 2017,	3
877	Transfer of Mammary Gland-forming Ability Between Mammary Basal Epithelial Cells and Mammary Luminal Cells via Extracellular Vesicles/Exosomes. 2017 ,	1
876	Sphingosine rescues aged mice from pulmonary pseudomonas infection. 2017 , 219, 354-359	9
875	Recognizing single phospholipid vesicle collisions on carbon fiber nanoelectrode. 2017 , 60, 1474-1480	14
874	Surface chemistry and morphology in single particle optical imaging. 2017 , 6, 713-730	11
873	The Role of Microvesicles in Cutaneous Wound Healing. 2017 , 43-66	
872	Exosomes from antigen-pulsed dendritic cells induce stronger antigen-specific immune responses than microvesicles in vivo. 2017 , 7, 17095	76
871	Long Non-Coding RNAs: the New Horizon of Gene Regulation in Ovarian Cancer. 2017 , 44, 948-966	49

(2017-2017)

870	A signal-amplifiable biochip quantifies extracellular vesicle-associated RNAs for early cancer detection. 2017 , 8, 1683	68
869	Blood components I so much more than clots and oxygen delivery!. 2017 , 12, 463-470	1
868	Harnessing designed nanoparticles: Current strategies and future perspectives in cancer immunotherapy. 2017 , 17, 23-37	55
867	Exosomes Derived from HIV-1 Infected DCs Mediate Viral trans-Infection via Fibronectin and Galectin-3. 2017 , 7, 14787	45
866	Proteomic profiling of extracellular vesicles secreted from Toxoplasma gondii. 2017 , 17, 1600477	23
865	Stem Cell-Derived Extracellular Vesicles as a Novel Potential Therapeutic Tool for Tissue Repair. 2017 , 6, 1753-1758	66
864	Simultaneous Enrichment of Plasma Extracellular Vesicles and Glycoproteome for Studying Disease Biomarkers. 2017 , 1619, 193-201	2
863	Proteomics Profiling of Exosomes from Primary Mouse Osteoblasts under Proliferation versus Mineralization Conditions and Characterization of Their Uptake into Prostate Cancer Cells. 2017 , 16, 2709-2728	30
862	Exosomes: From Cell Debris to Potential Biomarkers in Transplantation. 2017, 101, 2275-2276	10
861	Lung Epithelial Cell-Derived Microvesicles Regulate Macrophage Migration via MicroRNA-17/221-Induced Integrin Recycling. 2017 , 199, 1453-1464	59
860	Extracellular vesicles are independent metabolic units with asparaginase activity. 2017 , 13, 951-955	70
859	Exosomes Derived From Pancreatic Stellate Cells: MicroRNA Signature and Effects on Pancreatic Cancer Cells. 2017 , 46, 19-27	68
858	Revelation of mRNAs and proteins in porcine milk exosomes by transcriptomic and proteomic analysis. 2017 , 13, 101	21
857	Suppression of endothelial cell migration by tumor associated macrophage-derived exosomes is reversed by epithelial ovarian cancer exosomal lncRNA. 2017 , 17, 62	54
856	TNF-promotes extracellular vesicle release in mouse astrocytes through glutaminase. 2017 , 14, 87	41
855	Oviductal microvesicles and their effect on maturation of canine oocytes. 2017 , 154, 167-180	38
854	Current Proteomic Approaches Applied to Brain Function. 2017,	3
853	Profiling the MicroRNA Payload of Exosomes Derived from Ex Vivo Primary Colorectal Fibroblasts. 2017 , 1509, 115-122	9

852	Advances in exosome quantification techniques. 2017 , 86, 93-106	48
851	The double life of cardiac mesenchymal cells: Epimetabolic sensors and therapeutic assets for heart regeneration. 2017 , 171, 43-55	9
850	Exosomes in immunoregulation of chronic lung diseases. 2017 , 72, 534-544	46
849	Comprehensive proteome profiling of glioblastoma-derived extracellular vesicles identifies markers for more aggressive disease. 2017 , 131, 233-244	64
848	Affinity purification of bacterial outer membrane vesicles (OMVs) utilizing a His-tag mutant. 2017 , 168, 139-146	25
847	Acute Lung Injury and Repair. 2017 ,	
846	Methods for the physical characterization and quantification of extracellular vesicles in biological samples. 2017 , 1861, 3164-3179	102
845	PGE /EP Signaling Controls the Transfer of the Mammary Stem Cell State by Lipid Rafts in Extracellular Vesicles. 2017 , 35, 425-444	22
844	Contributions of the adaptive immune system to mood regulation: Mechanisms and pathways of neuroimmune interactions. 2017 , 79, 49-57	20
843	Frontline Science: Placenta-derived decidual stromal cells alter IL-2R expression and signaling in alloantigen-activated T cells. 2017 , 101, 623-632	6
842	Microparticles derived from obese adipose tissue elicit a pro-inflammatory phenotype of CD16, CCR5 and TLR8 monocytes. 2017 , 1863, 139-151	21
841	Identification of a Novel Autoimmune Peptide Epitope of Prostein in Prostate Cancer. 2017 , 16, 204-216	14
840	Applications of Extracellular RNAs in Oncology. 2017 , 21, 1-11	7
839	Cell type-specific and common characteristics of exosomes derived from mouse cell lines: Yield, physicochemical properties, and pharmacokinetics. 2017 , 96, 316-322	119
838	Imaging flow cytometry for the characterization of extracellular vesicles. 2017, 112, 55-67	62
837	Proteomic and Bioinformatic Characterization of Extracellular Vesicles Released from Human Macrophages upon Influenza A Virus Infection. 2017 , 16, 217-227	41
836	Late Endosomal Recycling of Open MHC-I Conformers. 2017, 232, 872-887	7
835	Concise Review: Mesenchymal Stem (Stromal) Cells: Biology and Preclinical Evidence for Therapeutic Potential for Organ Dysfunction Following Trauma or Sepsis. 2017 , 35, 316-324	91

834	Tetraspanins and Mouse Oocyte Microvilli Related to Fertilizing Ability. 2017, 24, 1062-1069	12
833	Identification of urinary exosomal noncoding RNAs as novel biomarkers in chronic kidney disease. 2017 , 23, 142-152	77
832	Regulatory properties of statins and rho gtpases prenylation inhibitiors to stimulate melanoma immunogenicity and promote anti-melanoma immune response. 2017 , 140, 747-755	19
831	Mast cell-derived exosomes at the stimulated acupoints activating the neuro-immune regulation. 2017 , 23, 878-880	12
830	Inflammation and Transplantation. 2017 , 1147-1172	
829	Funktion von extrazellulEen Vesikeln und Bedeutung fEldie labormedizinische Diagnostik. 2017 , 41,	
828	Role of exosomes in hepatocellular carcinoma cell mobility alteration. 2017, 14, 8122-8131	16
827	Milk exosomes: beyond dietary microRNAs. 2017 , 12, 12	39
826	Circulating LL37 targets plasma extracellular vesicles to immune cells and intensifies Beh\(\textit{B}\)t's disease severity. 2017 , 6, 1284449	5
825	Resistance of human plasmacytoid dendritic CAL-1 cells to infection with lymphocytic choriomeningitis virus (LCMV) is caused by restricted virus cell entry, which is overcome by contact of CAL-1 cells with LCMV-infected cells. 2017 , 511, 106-113	1
824	Animal Models in Exosomes Research: What the Future Holds. 2017,	3
823	Exosomes: A Novel Strategy for Treatment and Prevention of Diseases. 2017 , 8, 300	55
822	Exosomes: A Rising Star in Falling Hearts. 2017 , 8, 494	31
821	Pupil function engineering for enhanced nanoparticle visibility in wide-field interferometric microscopy. 2017 , 4, 247	22
820	Probing the fundamental detection limit of photonic crystal cavities. 2017 , 4, 757	9
819	Mesenchymal Stem/Stromal Cells as Biological Factories. 2017 , 121-154	1
818	Biomarkers for early diagnosis, prognosis, prediction, and recurrence monitoring of non-small cell lung cancer. 2017 , 10, 4527-4534	38
817	Collateral Damage Intended-Cancer-Associated Fibroblasts and Vasculature Are Potential Targets in Cancer Therapy. 2017 , 18,	23

816	Exosomes derived from miR-140-5p-overexpressing human synovial mesenchymal stem cells enhance cartilage tissue regeneration and prevent osteoarthritis of the knee in a rat model. 2017 , 7, 180-195	332
815	Osteocyte Alterations Induce Osteoclastogenesis in an In Vitro Model of Gaucher Disease. 2017 , 18,	6
814	Exosomes: From Garbage Bins to Promising Therapeutic Targets. 2017 , 18,	253
813	Extracellular Vesicles Deliver Host and Virus RNA and Regulate Innate Immune Response. 2017 , 18,	70
812	Association of Extracellular Membrane Vesicles with Cutaneous Wound Healing. 2017, 18,	40
811	Chloramidine/Bisindolylmaleimide-I-Mediated Inhibition of Exosome and Microvesicle Release and Enhanced Efficacy of Cancer Chemotherapy. 2017 , 18,	84
810	The Methods of Choice for Extracellular Vesicles (EVs) Characterization. 2017, 18,	219
809	Platelet-Derived Microvesicles in Cardiovascular Diseases. 2017 , 4, 74	77
808	Cross Talk between Adipose Tissue and Placenta in Obese and Gestational Diabetes Mellitus Pregnancies Exosomes. 2017 , 8, 239	50
807	Human Melanoma-Derived Extracellular Vesicles Regulate Dendritic Cell Maturation. 2017, 8, 358	27
806	Novel Modulators of Asthma and Allergy: Exosomes and MicroRNAs. 2017, 8, 826	54
805	Extracellular Vesicles Transfer the Receptor Programmed Death-1 in Rheumatoid Arthritis. 2017 , 8, 851	18
804	Extracellular Vesicles Arising from Apoptotic Cells in Tumors: Roles in Cancer Pathogenesis and Potential Clinical Applications. 2017 , 8, 1174	32
803	Retroviruses As Myeloid Cell Riders: What Natural Human Siglec-1 "Knockouts" Tell Us About Pathogenesis. 2017 , 8, 1593	5
802	microRNA in Cardiovascular Aging and Age-Related Cardiovascular Diseases. 2017, 4, 74	52
801	BL23 Produces Microvesicles Carrying Proteins That Have Been Associated with Its Probiotic Effect. 2017 , 8, 1783	41
800	Extracellular Vesicles in Renal Pathophysiology. 2017 , 4, 37	46
799	Technical Advances to Study Extracellular Vesicles. 2017 , 4, 79	32

798	Tau Oligomers: Cytotoxicity, Propagation, and Mitochondrial Damage. 2017 , 9, 83	132
797	Perspective Insights of Exosomes in Neurodegenerative Diseases: A Critical Appraisal. 2017 , 9, 317	55
796	MiRNA-Sequence Indicates That Mesenchymal Stem Cells and Exosomes Have Similar Mechanism to Enhance Cardiac Repair. 2017 , 2017, 4150705	158
795	Microvesicles Correlated with Components of Metabolic Syndrome in Men with Type 2 Diabetes Mellitus and Lowered Testosterone Levels But Were Unaltered by Testosterone Therapy. 2017 , 2017, 4257875	7
794	Potential Role of Exosomes in Mending a Broken Heart: Nanoshuttles Propelling Future Clinical Therapeutics Forward. 2017 , 2017, 5785436	29
793	Trophic Activity and Phenotype of Adipose Tissue-Derived Mesenchymal Stem Cells as a Background of Their Regenerative Potential. 2017 , 2017, 1653254	40
792	Pseudotyping exosomes for enhanced protein delivery in mammalian cells. 2017 , 12, 3153-3170	53
791	Chemotherapy-Induced Tissue Injury: An Insight into the Role of Extracellular Vesicles-Mediated Oxidative Stress Responses. 2017 , 6,	32
790	Nucleolin-targeted Extracellular Vesicles as a Versatile Platform for Biologics Delivery to Breast Cancer. 2017 , 7, 1360-1372	92
789	Clinical application of a microfluidic chip for immunocapture and quantification of circulating exosomes to assist breast cancer diagnosis and molecular classification. 2017 , 12, e0175050	115
788	The crosstalk between autophagic and endo-/exosomal pathways in antigen processing for MHC presentation in anticancer T cell immune responses. 2017 , 10, 165	23
787	Hemofiltration induces generation of leukocyte-derived CD31+/CD41- microvesicles in sepsis. 2017 , 7, 89	5
786	Extracellular Vesicle-Associated RNA as a Carrier of Epigenetic Information. 2017, 8,	28
7 ⁸ 5	Proteomic analysis of extracellular vesicles from a Kenyan clinical isolate defines a core parasite secretome. 2017 , 2, 50	18
784	Uptake of lymphoma-derived exosomes by peripheral blood leukocytes. 2017 , 7, 9-23	7
7 ⁸ 3	Extracellular vesicles and aging. 2017 , 4, 98	43
782	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
781	Extracellular Vesicles From Mesenchymal Stem Cells and Their Potential in Tumor Therapy. 2017 , 521-549	

7 ⁸ 0	Exosome: emerging biomarker in breast cancer. 2017 , 8, 41717-41733	118
779	[Regulation of immune responses by exosomes derived from antigen presenting cells]. 2017, 64, 463-476	2
778	AQP2 in human urine is predominantly localized to exosomes with preserved water channel activities. 2018 , 22, 782-788	20
777	Highly Sensitive Electrochemical Detection of Tumor Exosomes Based on Aptamer Recognition-Induced Multi-DNA Release and Cyclic Enzymatic Amplification. 2018 , 90, 4507-4513	144
776	Extracellular vesicles: the growth as diagnostics and therapeutics; a survey. 2018 , 7, 1438720	76
775	Role of Microvesicles in the Spread of Herpes Simplex Virus 1 in Oligodendrocytic Cells. 2018 , 92,	34
774	Extracellular vesicles as a platform for membrane-associated therapeutic protein delivery. 2018 , 7, 1440131	98
773	Exosomes as a novel pathway for regulating development and diseases of the skin. 2018 , 8, 207-214	17
772	Comparison of commercial exosome isolation kits for circulating exosomal microRNA profiling. 2018 , 410, 3805-3814	81
771	Extracellular vesicles: pathogenetic, diagnostic and therapeutic value in traumatic brain injury. 2018 , 15, 451-461	21
77°	Circulating exosomal microRNAs in acquired aplastic anemia and myelodysplastic syndromes. 2018 , 103, 1150-1159	19
769	Exosomes and Stem Cells in Degenerative Disease Diagnosis and Therapy. 2018 , 27, 349-363	69
768	The multifaceted role of exosomes in cancer progression: diagnostic and therapeutic implications [corrected]. 2018 , 41, 223-252	40
767	Exosomes in Acquired Neurological Disorders: New Insights into Pathophysiology and Treatment. 2018 , 55, 9280-9293	56
766	Exosome Therapy for Stroke. 2018 , 49, 1083-1090	76
765	Extracellular vesicles in mesenchymal stromal cells: A novel therapeutic strategy for stroke. 2018 , 15, 4067-4079	25
764	Extracellular vesicles and their immunomodulatory functions in pregnancy. 2018, 40, 425-437	47
763	The role of extracellular vesicles when innate meets adaptive. 2018 , 40, 439-452	48

(2021-2018)

762	Liposome-chaperoned cell-free synthesis for the design of proteoliposomes: Implications for therapeutic delivery. 2018 , 76, 1-20	13
761	Detailed analysis of the plasma extracellular vesicle proteome after separation from lipoproteins. 2018 , 75, 2873-2886	220
760	Antigen Presentation by Extracellular Vesicles from Professional Antigen-Presenting Cells. 2018 , 36, 435-459	160
759	Extracellular Vesicles in Human Reproduction in Health and Disease. 2018 , 39, 292-332	85
758	CD63, MHC class 1, and CD47 identify subsets of extracellular vesicles containing distinct populations of noncoding RNAs. 2018 , 8, 2577	18
757	Oviductal extracellular vesicles (oviductosomes, OVS) are conserved in humans: murine OVS play a pivotal role in sperm capacitation and fertility. 2018 , 24, 143-157	33
756	New Technologies for Analysis of Extracellular Vesicles. 2018 , 118, 1917-1950	581
755	Characterization and Functional Analysis of Tumor-Derived Microparticles. 2021, 1, e144	1
754	Understanding the Pathophysiology of Exosomes in Schistosomiasis: A New Direction for Disease Control and Prevention. 2021 , 12, 634138	1
753	Exosomal integrins and their influence on pancreatic cancer progression and metastasis. 2021 , 507, 124-134	7
752	No small matter: emerging roles for exosomal miRNAs in the immune system. 2021,	1
751	Selective Antimicrobial Therapies for Periodontitis: Win the "Battle and the War". 2021 , 22,	6
750	Exosomes as Naturally Occurring Vehicles for Delivery of Biopharmaceuticals: Insights from Drug Delivery to Clinical Perspectives. 2021 , 11,	15
749	An Examination of the Putative Role of Melatonin in Exosome Biogenesis. 2021 , 9, 686551	6
748	Targeted extracellular vesicle delivery systems employing superparamagnetic iron oxide nanoparticles. 2021 , 134, 13-31	4
747	Hemin-primed dendritic cells suppress allergic airway inflammation through releasing extracellular vesicles. 2021 ,	1
746	Mechanism of miR-204-5p in exosomes derived from bronchoalveolar lavage fluid on the progression of pulmonary fibrosis via AP1S2. 2021 , 9, 1068	0

744	Serum milk fat globule-EGF factor 8 protein as a potential biomarker for metabolic syndrome. 2021 , 27, 463-473	0
743	A New Infectious Unit: Extracellular Vesicles Carrying Virus Populations. 2021 , 37, 171-197	7
742	Molecular evaluation of five different isolation methods for extracellular vesicles reveals different clinical applicability and subcellular origin. 2021 , 10, e12128	28
741	Exosome-Based Vaccines: Pros and Cons in the World of Animal Health. 2021 , 13,	1
740	Extracellular vesicles in cancer diagnostics and therapeutics. 2021 , 223, 107806	19
739	Identification of Plexin D1 on circulating extracellular vesicles as a potential biomarker of polymyositis and dermatomyositis. 2021 ,	1
738	Interplay between Extracellular Matrix and Neutrophils in Diseases. 2021 , 2021, 8243378	2
737	Emerging technologies and commercial products in exosome-based cancer diagnosis and prognosis. 2021 , 183, 113176	16
736	Characterization of extracellular vesicles isolated from types I, II and III strains of Toxoplasma gondii. 2021 , 219, 105915	2
735	Exosome-Based Vaccines: History, Current State, and Clinical Trials. 2021 , 12, 711565	21
734	Extracellular vesicles and leishmaniasis: Current knowledge and promising avenues for future development. 2021 , 135, 73-83	2
733	Possible Mechanisms of Tau Spread and Toxicity in Alzheimer's Disease. 2021 , 9, 707268	7
73 ²	Protein glycosylation in extracellular vesicles: Structural characterization and biological functions. 2021 , 135, 226-246	8
731	Exosome-derived noncoding RNAs in gastric cancer: functions and clinical applications. 2021 , 20, 99	7
730	Apoptosis in the Pancreatic Cancer Tumor Microenvironment-The Double-Edged Sword of Cancer-Associated Fibroblasts. 2021 , 10,	2
729	AgNP-PVP-meglumine antimoniate nanocomposite reduces Leishmania amazonensis infection in macrophages. 2021 , 21, 211	1
728	Friends and foes: Extracellular vesicles in aging and rejuvenation. 2021 , 3, 787-801	6
727	Immunosuppressive Protein Signatures Carried by Syncytiotrophoblast-Derived Exosomes and Their Role in Human Pregnancy. 2021 , 12, 717884	O

(2021-2021)

726	Subretinal versus intravitreal administration of human CD34+ bone marrow-derived stem cells in a rat model of inherited retinal degeneration. 2021 , 9, 1275	2
725	Review: Multiplexed profiling of biomarkers in extracellular vesicles for cancer diagnosis and therapy monitoring. 2021 , 1175, 338633	11
724	The Application of Organic Nanomaterials for Bioimaging, Drug Delivery, and Therapy: Spanning Various Domains. 2021 , 15, 8-28	6
723	A Hypercoagulable Hematological Metastasis Breast Cancer Model. 2021 , 2021, 5473959	О
722	EKSOZOM TANI VE TEDAVBII	
721	Extracellular Vesicle Separation Techniques Impact Results from Human Blood Samples: Considerations for Diagnostic Applications. 2021 , 22,	1
720	Exosomes and prostate cancer management. 2021,	2
719	Extracellular vesicles derived from small intestinal lamina propria reduce antigen-specific immune response. 2021 ,	
718	New epigenetic players in stroke pathogenesis: From non-coding RNAs to exosomal non-coding RNAs. 2021 , 140, 111753	13
717	Extracellular vesicles in endothelial cells: from mediators of cell-to-cell communication to cargo delivery tools. 2021 , 172, 508-520	5
716	Developmental Timing of Trauma in Women Predicts Unique Extracellular Vesicle Proteome Signatures. 2021 ,	1
715	MicroRNAs Patterns as Potential Tools for Diagnostic and Prognostic Follow-Up in Cancer Survivorship. 2021 , 10,	3
714	Extracellular vesicles from in vivo liver tissue accelerate recovery of liver necrosis induced by carbon tetrachloride. 2021 , 10, e12133	1
713	Novel roles of small extracellular vesicles in regulating the quiescence and proliferation of neural stem cells.	
712	Microglia extracellular vesicles: focus on molecular composition and biological function. 2021 , 49, 1779-1790	4
711	The role of exosomes from BALF in lung disease. 2021 ,	1
710	Electrochemical micro-aptasensors for exosome detection based on hybridization chain reaction amplification. 2021 , 7, 63	7
709	Extracellular vesicles of bovine small follicular fluid promote ovarian cortical stromal cell proliferation and steroidogenesis. 2021 , 56, 1425-1434	Ο

708	Extracellular Vesicles as Drug Delivery System for Treatment of Neurodegenerative Disorders: Optimization of the Cell Source 2021 , 1, 2100064	2
707	Extracellular Vesicles as Biological Indicators and Potential Sources of Autologous Therapeutics in Osteoarthritis. 2021 , 22,	1
706	Proteomic analysis and microRNA expression profiling of plasma-derived exosomes in primary immune thrombocytopenia. 2021 , 194, 1045-1052	5
705	CD63-mediated cloaking of VEGF in small extracellular vesicles contributes to anti-VEGF therapy resistance. 2021 , 36, 109549	2
704	Exosomes in Dogs and Cats: An Innovative Approach to Neoplastic and Non-Neoplastic Diseases. 2021 , 14,	1
703	Antimicrobial Activity of Metals and Metalloids. 2021 , 75, 175-197	5
702	The Role of Non-Immune Cell-Derived Extracellular Vesicles in Allergy. 2021 , 12, 702381	2
701	Recent Advances in Aggregation-Induced Emission Materials and Their Biomedical and Healthcare Applications. 2021 , e2101055	7
700	Macrophages: The Good, the Bad, and the Gluttony. 2021 , 12, 708186	30
699	The Yin and Yang of exosome isolation methods: conventional practice, microfluidics, and commercial kits. 2021 , 54, 107814	13
698	Extracellular Vesicles as Emerging Players in Intercellular Communication: Relevance in Mast Cell-Mediated Pathophysiology. 2021 , 22,	5
697	Trends in the biological functions and medical applications of extracellular vesicles and analogues. 2021 , 11, 2114-2135	7
696	Construction and evaluation of liraglutide delivery system based on milk exosomes: a new idea for oral peptide delivery. 2021 ,	0
695	The mini player with diverse functions: extracellular vesicles in cell biology, disease, and therapeutics. 2021 , 1	14
694	High glucose macrophage exosomes enhance atherosclerosis by driving cellular proliferation & hematopoiesis. 2021 , 24, 102847	6
693	Challenges and opportunities in the study of extracellular vesicles: Global institutional context and national state of the art. 2021 , 41, 555-589	
692	The Role of Melanoma Cell-Derived Exosomes (MTEX) and Photodynamic Therapy (PDT) within a Tumor Microenvironment. 2021 , 22,	2
691	What we know on the potential use of exosomes for nanodelivery. 2021,	4

690	Extracellular vesicles in the tumor immune microenvironment. 2021, 516, 48-56	4
689	A Comprehensive Insight into the Role of Exosomes in Viral Infection: Dual Faces Bearing Different Functions. 2021 , 13,	3
688	Vitreous M2 Macrophage-Derived Microparticles Promote RPE Cell Proliferation and Migration in Traumatic Proliferative Vitreoretinopathy. 2021 , 62, 26	1
687	Exosomes: A Forthcoming Era of Breast Cancer Therapeutics. 2021 , 13,	5
686	Extracellular Vesicles as Therapeutic Tools for the Treatment of Chronic Wounds. 2021, 13,	4
685	A novel electrochemical aptasensor for exosomes determination and release based on specific host-guest interactions between cucurbit [7]uril and ferrocene. 2021 , 232, 122451	4
684	Exosomes-mediated tumor treatment: One body plays multiple roles. 2021,	0
683	Extracellular vesicles, the cornerstone of next-generation cancer diagnosis?. 2021 , 74, 105-120	9
682	Extracellular Vesicles (Exosomes) as Immunosuppressive Mediating Variables in Tumor and Chronic Inflammatory Microenvironments. 2021 , 10,	3
681	The emerging therapeutic potential of extracellular vesicles in trauma. 2021,	
681 680	The emerging therapeutic potential of extracellular vesicles in trauma. 2021, The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021, 19, 277	1
	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas.	1
680	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021 , 19, 277	
680 679	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021, 19, 277 Extracellular Vesicles Taken up by Astrocytes. 2021, 22, The pathogenic, therapeutic and diagnostic role of exosomal microRNA in the autoimmune	1
680 679 678	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021, 19, 277 Extracellular Vesicles Taken up by Astrocytes. 2021, 22, The pathogenic, therapeutic and diagnostic role of exosomal microRNA in the autoimmune diseases. 2021, 358, 577640	13
680 679 678	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021, 19, 277 Extracellular Vesicles Taken up by Astrocytes. 2021, 22, The pathogenic, therapeutic and diagnostic role of exosomal microRNA in the autoimmune diseases. 2021, 358, 577640 Efficient Neutrophil Activation Requires Two Simultaneous Activating Stimuli. 2021, 22, Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells.	1 13 6
680 679 678 677	The basic characteristics of extracellular vesicles and their potential application in bone sarcomas. 2021, 19, 277 Extracellular Vesicles Taken up by Astrocytes. 2021, 22, The pathogenic, therapeutic and diagnostic role of exosomal microRNA in the autoimmune diseases. 2021, 358, 577640 Efficient Neutrophil Activation Requires Two Simultaneous Activating Stimuli. 2021, 22, Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. 2021, 10,	1 13 6

672	Extracellular Vesicle-Based Therapy for COVID-19: Promises, Challenges and Future Prospects. 2021 , 9,	3
671	Astrocyte-Derived Extracellular Vesicle-Mediated Activation of Primary Ciliary Signaling Contributes to the Development of Morphine Tolerance. 2021 , 90, 575-585	8
670	The therapeutic triad of extracellular vesicles: As drug targets, as drugs, and as drug carriers. 2021 , 192, 114714	3
669	Molecular profiling of extracellular vesicles via charge-based capture using oxide nanowire microfluidics. 2021 , 194, 113589	4
668	Effect of Stem Cell-Derived Extracellular Vesicles on Damaged Human Corneal Endothelial Cells. 2021 , 2021, 6644463	6
667	Covalently Labeled Fluorescent Exosomes for In Vitro and In Vivo Applications. 2021, 9,	3
666	Exosome Imaging. 2021 , 943-952	
665	Muscle-derived exosomes encapsulate myomiRs and are involved in local skeletal muscle tissue communication. 2021 , 35, e21279	12
664	Nanoparticles from culture media are internalized by -produced bovine embryos and its depletion affect expression of pluripotency genes. 2021 , 18, e20200028	1
663	Current strategies in tailoring methods for engineered exosomes and future avenues in biomedical applications. 2021 , 9, 6281-6309	3
662	Extracellular vesicles derived from T-cell acute lymphoblastic leukemia inhibit osteogenic differentiation of bone marrow mesenchymal stem cells via miR-34a-5p. 2021 , 68, 1197-1208	3
661	Prune-1 drives polarization of tumor-associated macrophages (TAMs) within the lung metastatic niche in triple-negative breast cancer. 2021 , 24, 101938	4
660	Stimulation of Probiotic Bacteria Induces Release of Membrane Vesicles with Augmented Anti-inflammatory Activity 2021 , 4, 3739-3748	4
659	Microglia exosomal miRNA-137 attenuates ischemic brain injury through targeting Notch1. 2021 , 13, 4079-4095	11
658	Template-free multiple signal amplification for highly sensitive detection of cancer cell-derived exosomes. 2021 , 57, 8508-8511	7
657	Development of a Dual-Modally Traceable Nanoplatform for Cancer Theranostics Using Natural Circulating Cell-Derived Microparticles in Oral Cancer Patients. 2017 , 27, 1703482	10
656	Effect of mesenchymal stem cell-derived exosomes on the induction of mouse tolerogenic dendritic cells. 2020 , 235, 7043-7055	45
655	The Role of Caveolin-1 in Skin Cancer. 2012 , 65-74	1

(2020-2013)

654	Nuclear Functions and Trafficking of Receptor Tyrosine Kinases. 2013 , 159-176	3
653	Methods of purification of CTL-derived exosomes. 2014 , 1186, 87-102	2
652	Systems biology of platelet-vessel wall interactions. 2014 , 844, 85-98	4
651	Proteomic Characterization of Exosomes from HIV-1-Infected Cells. 2016 , 1354, 311-26	7
650	Isolation/Analysis of Extracellular Microvesicles from HSV-1-Infected Cells. 2020 , 2060, 305-317	4
649	Role of the Post-translational Modifications of HSP60 in Disease. 2019 , 69-94	1
648	Adipose Tumor Microenvironment. 2020 , 1226, 73-86	5
647	Mesenchymal Stromal Cell Secretome for Tissue Repair. 2020 , 641-666	1
646	Immunology of Cryptosporidiosis. 2014 , 423-454	6
645	Cholesterol and myelin biogenesis. 2010 , 51, 489-508	=-
645	Cholesterol and myelin biogenesis. 2010, 51, 405 500	50
644	The role of microvesicles in malignancies. 2011 , 714, 183-99	25
644	The role of microvesicles in malignancies. 2011 , 714, 183-99	
644	The role of microvesicles in malignancies. 2011 , 714, 183-99 Prenatal Mesenchymal Stem Cell Secretome and Its Clinical Implication. 2019 , 167-173	25
644 643	The role of microvesicles in malignancies. 2011 , 714, 183-99 Prenatal Mesenchymal Stem Cell Secretome and Its Clinical Implication. 2019 , 167-173 Extracellular Vesicles, MicroRNAs, and Pulmonary Hypertension. 2020 , 71-77	25 1 2
644 643 642	The role of microvesicles in malignancies. 2011, 714, 183-99 Prenatal Mesenchymal Stem Cell Secretome and Its Clinical Implication. 2019, 167-173 Extracellular Vesicles, MicroRNAs, and Pulmonary Hypertension. 2020, 71-77 Exosomes in Drug Delivery. 2021, 337-360	25 1 2
644 643 642 640	The role of microvesicles in malignancies. 2011, 714, 183-99 Prenatal Mesenchymal Stem Cell Secretome and Its Clinical Implication. 2019, 167-173 Extracellular Vesicles, MicroRNAs, and Pulmonary Hypertension. 2020, 71-77 Exosomes in Drug Delivery. 2021, 337-360 Exosomes and Supported Lipid Layers as Advanced Naturally Derived Drug Delivery Systems. 2021, 361-373 Antitumor immunity by small extracellular vesicles collected from activated dendritic cells through	25 1 2 2

636	Extracellular Vesicles Enhance the Remodeling of Cell-Free Silk Vascular Scaffolds in Rat Aortae. 2020 , 12, 26955-26965	14
635	CircRNA-SORE mediates sorafenib resistance in hepatocellular carcinoma by stabilizing YBX1. 2020 , 5, 298	7 ²
634	Monocytes mediate homing of circulating microvesicles to the pulmonary vasculature during low-grade systemic inflammation. 2020 , 9, 1706708	12
633	Monitoring HSP70 exosomes in cancer patients' follow up: a clinical prospective pilot study. 2020 , 9, 1766192	32
632	Clinical correlates for immune checkpoint therapy: significance for CNS malignancies. 2021, 3, vdaa161	5
631	Regulation of mesenchymal stem cell function by TGFEI on mast cell extracellular vesicles Ifole of endosomal retention.	2
630	Membrane Proteins Significantly Restrict Exosome Mobility.	1
629	The low complexity regions in the C-terminus are essential for the subcellular localisation of Leishmania casein kinase 1 but not for its activity.	4
628	A new concept on anti-SARS-CoV-2 vaccines: strong CD8+ T-cell immune response in both spleen and lung induced in mice by endogenously engineered extracellular vesicles.	1
627	The Fluid Membrane determines Mechanics of Red Blood Cell Extracellular Vesicles and is Softened in Hereditary Spherocytosis.	1
626	Exosomes exploit the virus entry machinery and pathway to transmit IFN- $\!$	1
625	Extracellular Vesicle-delivered Bone Morphogenetic Proteins: A novel paracrine mechanism during embryonic development.	2
624	Neutrophil-derived extracellular vesicles: proinflammatory trails and anti-inflammatory microvesicles.	1
623	Red blood cell-derived extracellular vesicles mediate intercellular communication in ischemic heart failure.	2
622	Circulating extracellular vesicle-encapsulated HULC is a potential biomarker for human pancreatic cancer. 2020 , 111, 98-111	48
621	The Female Response to Seminal Fluid. 2020 , 100, 1077-1117	38
620	Nano-Bio Interactions of Extracellular Vesicles with Gold Nanoislands for Early Cancer Diagnosis. 2018 , 2018, 3917986	14
619	T cell exosome-derived miR-142-3p impairs glandular cell function in Sjgren's syndrome. 2020 , 5,	19

618	Exosomal microRNA predicts and protects against severe bronchopulmonary dysplasia in extremely premature infants. 2018 , 3,	56
617	Dendritic cell-derived exosomes for cancer therapy. 2016 , 126, 1224-32	267
616	Donor dendritic cell-derived exosomes promote allograft-targeting immune response. 2016 , 126, 2805-20	159
615	Increased Expression of CD81 in Breast Cancer Tissue is Associated with Reduced Patient Prognosis and Increased Cell Migration and Proliferation in MDA-MB-231 and MDA-MB-435S Human Breast Cancer Cell Lines In Vitro. 2018 , 24, 5739-5747	17
614	Increased Expression of Exosomal AGAP2-AS1 (AGAP2 Antisense RNA 1) In Breast Cancer Cells Inhibits Trastuzumab-Induced Cell Cytotoxicity. 2019 , 25, 2211-2220	38
613	Serum Membrane Type 1-Matrix Metalloproteinase (MT1-MMP) mRNA Protected by Exosomes as a Potential Biomarker for Gastric Cancer. 2019 , 25, 7770-7783	11
612	Extracellular Vesicles Derived from Adipose Mesenchymal Stem Cells Alleviate PM2.5-Induced Lung Injury and Pulmonary Fibrosis. 2020 , 26, e922782	22
611	Axonal maintenance, glia, exosomes, and heat shock proteins. 2016 , 5,	17
610	Proteomic analysis of extracellular vesicles from a Plasmodium falciparum Kenyan clinical isolate defines a core parasite secretome. 2, 50	10
609	Exosomes communicate protective messages during oxidative stress; possible role of exosomal shuttle RNA. 2010 , 5, e15353	324
608	Temperature-induced protein secretion by Leishmania mexicana modulates macrophage signalling and function. 2011 , 6, e18724	62
607	Interaction of PLP with GFP-MAL2 in the human oligodendroglial cell line HOG. 2011 , 6, e19388	9
606	EBV-gp350 confers B-cell tropism to tailored exosomes and is a neo-antigen in normal and malignant B cellsa new option for the treatment of B-CLL. 2011 , 6, e25294	44
605	Mannose receptor (MR) engagement by mesothelin GPI anchor polarizes tumor-associated macrophages and is blocked by anti-MR human recombinant antibody. 2011 , 6, e28386	23
604	Breast cancer exosome-like microvesicles and salivary gland cells interplay alters salivary gland cell-derived exosome-like microvesicles in vitro. 2012 , 7, e33037	68
603	Topographical and biological evidence revealed FTY720-mediated anergy-polarization of mouse bone marrow-derived dendritic cells in vitro. 2012 , 7, e34830	29
602	Fas signalling promotes intercellular communication in T cells. 2012 , 7, e35766	28
601	Exosomes released from Mycoplasma infected tumor cells activate inhibitory B cells. 2012 , 7, e36138	54

600	Neurokinin 1 receptor mediates membrane blebbing and sheer stress-induced microparticle formation in HEK293 cells. 2012 , 7, e45322	14
599	Activated human T cells secrete exosomes that participate in IL-2 mediated immune response signaling. 2012 , 7, e49723	81
598	Characterisation of syncytiotrophoblast vesicles in normal pregnancy and pre-eclampsia: expression of Flt-1 and endoglin. 2013 , 8, e56754	124
597	Differential regulation of Rab GTPase expression in monocyte-derived dendritic cells upon lipopolysaccharide activation: a correlation to maturation-dependent functional properties. 2013 , 8, e73538	8
596	Mapping the small RNA content of simian immunodeficiency virions (SIV). 2013, 8, e75063	7
595	Absence of metalloprotease GP63 alters the protein content of Leishmania exosomes. 2014 , 9, e95007	68
594	Ectosomes: a new mechanism for non-exosomal secretion of tau protein. 2014 , 9, e100760	131
593	Acute stressor exposure modifies plasma exosome-associated heat shock protein 72 (Hsp72) and microRNA (miR-142-5p and miR-203). 2014 , 9, e108748	42
592	Detection of tumor cell-specific mRNA and protein in exosome-like microvesicles from blood and saliva. 2014 , 9, e110641	77
591	Nef neutralizes the ability of exosomes from CD4+ T cells to act as decoys during HIV-1 infection. 2014 , 9, e113691	67
591 590		50
	2014 , 9, e113691 Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their	
590	2014, 9, e113691 Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their Companion Cells. 2015, 10, e0122991	50
590 589	2014, 9, e113691 Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their Companion Cells. 2015, 10, e0122991 Inter-cellular transport of ran GTPase. 2015, 10, e0125506 Glucose Starvation in Cardiomyocytes Enhances Exosome Secretion and Promotes Angiogenesis in	50
590 589 588	Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their Companion Cells. 2015, 10, e0122991 Inter-cellular transport of ran GTPase. 2015, 10, e0125506 Glucose Starvation in Cardiomyocytes Enhances Exosome Secretion and Promotes Angiogenesis in Endothelial Cells. 2015, 10, e0138849 Distinct repertoires of microRNAs present in mouse astrocytes compared to astrocyte-secreted	50
59° 589 588 587	Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their Companion Cells. 2015, 10, e0122991 Inter-cellular transport of ran GTPase. 2015, 10, e0125506 Glucose Starvation in Cardiomyocytes Enhances Exosome Secretion and Promotes Angiogenesis in Endothelial Cells. 2015, 10, e0138849 Distinct repertoires of microRNAs present in mouse astrocytes compared to astrocyte-secreted exosomes. 2017, 12, e0171418 Secretory microRNA-29 expression in gingival crevicular fluid during orthodontic tooth movement.	50 11 118 51
590 589 588 587 586	Free Extracellular miRNA Functionally Targets Cells by Transfecting Exosomes from Their Companion Cells. 2015, 10, e0122991 Inter-cellular transport of ran GTPase. 2015, 10, e0125506 Glucose Starvation in Cardiomyocytes Enhances Exosome Secretion and Promotes Angiogenesis in Endothelial Cells. 2015, 10, e0138849 Distinct repertoires of microRNAs present in mouse astrocytes compared to astrocyte-secreted exosomes. 2017, 12, e0171418 Secretory microRNA-29 expression in gingival crevicular fluid during orthodontic tooth movement. 2018, 13, e0194238 Aqueous two-phase system to isolate extracellular vesicles from urine for prostate cancer	50 11 118 51 16

582	The Effect of Mesenchymal Stem Cell-Derived Extracellular Vesicles on Hematopoietic Stem Cells Fate. 2017 , 7, 531-546	13
581	The Effect of Mesenchymal Stem Cell-Derived Microvesicles on Erythroid Differentiation of Umbilical Cord Blood-Derived CD34 Cells. 2018 , 8, 291-296	10
580	Exosome Production, Isolation and Characterization from A549 Epithelial Carcinoma Cells.	1
579	PHENOTYPIC AND FUNCTIONAL CHARACTERISTICS OF MICROVESICLES PRODUCED BY NATURAL KILLER CELLS. 2019 , 21, 669-688	6
578	[Exosomes of malignant tumors: prospects of omil diagnostics]. 2019 , 65, 457-467	5
577	Exosomes derived from cancerous and non-cancerous cells regulate the anti-tumor response in the tumor microenvironment. 2018 , 9, 87-100	54
576	Highly skewed distribution of miRNAs and proteins between colorectal cancer cells and their exosomes following Cetuximab treatment: biomolecular, genetic and translational implications. 2014 , 1, 132-157	36
575	Circulating exosomes potentiate tumor malignant properties in a mouse model of chronic sleep fragmentation. 2016 , 7, 54676-54690	45
574	Tumor-derived exosomes in colorectal cancer progression and their clinical applications. 2017 , 8, 100781-100	736
573	Plasma-derived extracellular vesicle proteins as a source of biomarkers for lung adenocarcinoma. 2017 , 8, 95466-95480	50
572	Protein dysregulation in graft versus host disease. 2018 , 9, 1483-1491	9
571	Biomolecular characterization of exosomes released from cancer stem cells: Possible implications for biomarker and treatment of cancer. 2015 , 6, 3280-91	101
57°	Cancer-testis antigens MAGEA proteins are incorporated into extracellular vesicles released by cells. 2019 , 10, 3694-3708	4
569	Vacuolar ATPase 'a2' isoform exhibits distinct cell surface accumulation and modulates matrix metalloproteinase activity in ovarian cancer. 2015 , 6, 3797-810	47
568	VE-cadherin cleavage by ovarian cancer microparticles induces Eatenin phosphorylation in endothelial cells. 2016 , 7, 5289-305	13
567	Exosomes confer pro-survival signals to alter the phenotype of prostate cells in their surrounding environment. 2016 , 7, 14639-58	59
566	Cellular evidence for nano-scale exosome secretion and interactions with spermatozoa in the epididymis of the Chinese soft-shelled turtle, Pelodiscus sinensis. 2016 , 7, 19242-50	13
565	CD30 on extracellular vesicles from malignant Hodgkin cells supports damaging of CD30 ligand-expressing bystander cells with Brentuximab-Vedotin, in vitro. 2016 , 7, 30523-35	31

564	Tumour-associated circulating microparticles: A novel liquid biopsy tool for screening and therapy monitoring of colorectal carcinoma and other epithelial neoplasia. 2016 , 7, 30867-75	27
563	Exosomes: scytales in the damaged heart. 2016 , 4, 222	5
562	Characterizing the contribution of inflammasome-derived exosomes in the activation of the immune response. 2017 , 5, 172	6
561	MicroRNAs as biomarkers of acute lung injury. 2018 , 6, 34	45
560	Exosome mediated phenotypic changes in lung cancer pathophysiology. 2017 , 6, S1040-S1042	5
559	Exosomes as critical mediators of cell-to-cell communication in cancer pathogenesis and their potential clinical application 2019 , 8, 298-311	19
558	Neutrophils as a Protagonist and Target in Chronic Rhinosinusitis. 2019 , 12, 337-347	24
557	Exosome-like Nanovectors for Drug Delivery in Cancer. 2019 , 26, 6132-6148	47
556	Exosomes and Lung Cancer: Roles in Pathophysiology, Diagnosis and Therapeutic Applications. 2021 , 28, 308-328	28
555	Targeting miRNAs for pancreatic cancer therapy. 2014 , 20, 5279-86	17
554	Methods for the Determination of the Purity of Exosomes. 2019 , 25, 4464-4485	11
553	Exosomes: Carriers of Pro-Fibrotic Signals and Therapeutic Targets in Fibrosis. 2019 , 25, 4496-4509	9
552	Circulating MicroRNAs and Blood-Brain-Barrier Function in Breast Cancer Metastasis. 2020 , 26, 1417-1427	3
551	Progress of Mesenchymal Stem Cell-Derived Exosomes in Tissue Repair. 2020 , 26, 2022-2037	9
550	Biocompatible Nanovesicular Drug Delivery Systems with Targeting Potential for Autoimmune Diseases. 2020 , 26, 5488-5502	7
549	Role of Exosomes in the Exchange of Spermatozoa after Leaving the Seminiferous Tubule: A Review. 2020 , 21, 330-338	3
548	Non-coding RNAs in Exosomes: New Players in Cancer Biology. 2015 , 16, 295-303	57
547	Signaling of miRNAs-FOXM1 in cancer and potential targeted therapy. 2013 , 14, 1192-202	17

546	Exosomes in Therapy: Engineering, Pharmacokinetics and Future Applications. 2019 , 20, 87-95	22
545	Membrane Derived Vesicles as Biomimetic Carriers for Targeted Drug Delivery System. 2020 , 20, 2472-2492	5
544	Endothelial Extracellular Vesicles Produced by Senescent Cells: Pathophysiological Role in the Cardiovascular Disease Associated with all Types of Diabetes Mellitus. 2019 , 17, 447-454	20
543	Intracellular and Extracellular miRNAs in Regulation of Angiogenesis Signaling. 2012 , 4, 299-307	21
542	Mycobacterium avium Complex Extracellular Vesicles Attenuate Inflammation via Inducing IL-10. 2018 , 7, 241-250	1
541	Microparticles variability in fresh frozen plasma: preparation protocol and storage time effects. 2016 , 14, 228-37	18
540	Influence of red blood cell-derived microparticles upon vasoregulation. 2017, 15, 522-534	18
539	Extracellular vesicles from mature dendritic cells (DC) differentiate monocytes into immature DC. 2018 , 1, e201800093	11
538	Liquid biopsies for the diagnosis and surveillance of primary pediatric central nervous system tumors: a review for practicing neurosurgeons. 2020 , 48, E8	9
537	The Role of Tumor-Derived Vesicles in the Regulation of Antitumor Immunity. 2019 , 11, 33-41	8
536	Research Progress and Prospect of Nanoplatforms for Treatment of Oral Cancer. 2020 , 11, 616101	1
535	Extracellular Vesicles as Drug Carriers for Enzyme Replacement Therapy to Treat CLN2 Batten Disease: Optimization of Drug Administration Routes. 2020 , 9,	9
534	The Role of Exosomes in Bronchoalveloar Lavage from Patients with Acute Respiratory Distress Syndrome. 2019 , 8,	2
533	Exosomes as Drug Delivery Systems: Endogenous Nanovehicles for Treatment of Systemic Lupus Erythematosus. 2020 , 13,	21
532	The Role of Extracellular Vesicles as Allies of HIV, HCV and SARS Viruses. 2020, 12,	18
531	Novel method for extracting exosomes of hepatocellular carcinoma cells. 2014 , 20, 6651-7	36
530	Oral cancer cell-derived exosomes modulate natural killer cell activity by regulating the receptors on these cells. 2020 , 46, 2115-2125	6
529	Cancer stem cells and exosome signaling. 2015 , 2, 11	18

528	Epididymosomes: transfer of fertility-modulating proteins to the sperm surface. 2015 , 17, 720-5	36
527	Extracellular vesicles: fundamentals and clinical relevance. 2015 , 27, 1-7	1
526	Leucine-rich Repeat-containing G-protein Coupled Receptor 5 Gene Overexpression of the Rat Small Intestinal Progenitor Cells in Response to Orally Administered Grape Exosome-like Nanovesicles. 2018 , 7, 125	10
525	Microvesicles in Gliomas and Medulloblastomas: An Overview. 2014 , 05, 182-191	13
524	Stem cell-based therapies for fertility preservation in males: Current status and future prospects. 2020 , 12, 1097-1112	4
523	Stem cell-derived exosomes as a therapeutic tool for cardiovascular disease. 2016 , 8, 297-305	37
522	CMTM5-v1, a four-transmembrane protein, presents a secreted form released via a vesicle-mediated secretory pathway. 2010 , 43, 182-7	15
521	The ADAM15 ectodomain is shed from secretory exosomes. 2015 , 48, 277-82	11
520	Extracellular vesicles as mediators of vascular inflammation in kidney disease. 2016 , 5, 125-38	18
519	Methods for the extraction and RNA profiling of exosomes. 2013 , 3, 11-8	64
519 518	Methods for the extraction and RNA profiling of exosomes. 2013 , 3, 11-8 Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019 , 13, 1-7	64
	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?.	
518	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019 , 13, 1-7	6
518 517	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019, 13, 1-7 Mesenchymal Cell-Derived Exosomes as Novel Useful Candidates for Drug Delivery. 2020, 7, Extraction and Biological Evaluation of the Membrane Vesicles of Mycobacterium tuberculosis	6
518 517 516	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019, 13, 1-7 Mesenchymal Cell-Derived Exosomes as Novel Useful Candidates for Drug Delivery. 2020, 7, Extraction and Biological Evaluation of the Membrane Vesicles of Mycobacterium tuberculosis (CRBIP7.11) as Adjuvant and Vaccine Candidate. 2017, 10,	6
518 517 516 515	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019, 13, 1-7 Mesenchymal Cell-Derived Exosomes as Novel Useful Candidates for Drug Delivery. 2020, 7, Extraction and Biological Evaluation of the Membrane Vesicles of Mycobacterium tuberculosis (CRBIP7.11) as Adjuvant and Vaccine Candidate. 2017, 10, Texosome-based drug delivery system for cancer therapy: from past to present. 2015, 12, 150-62	6 6 1
518 517 516 515 514	Extracellular Vesicles in the Synovial Joint: Is there a Role in the Pathophysiology of Osteoarthritis?. 2019, 13, 1-7 Mesenchymal Cell-Derived Exosomes as Novel Useful Candidates for Drug Delivery. 2020, 7, Extraction and Biological Evaluation of the Membrane Vesicles of Mycobacterium tuberculosis (CRBIP7.11) as Adjuvant and Vaccine Candidate. 2017, 10, Texosome-based drug delivery system for cancer therapy: from past to present. 2015, 12, 150-62 Exosomes and their role in the micro-/macro-environment: a comprehensive review. 2017, 31, 386-394 Development of an angiogenesis-promoting microvesicle-alginate-polycaprolactone composite	6 6 1 10 69

510	Extra-cellular vesicles of the male genital tract: new actors in male fertility?. 2021, 31, 25	2
509	Cholesterol Regulates Exosome Release in Cultured Astrocytes. 2021 , 12, 722581	1
508	Role of Extracellular Vesicles in Cell Death and Inflammation. 2021 , 10,	2
507	The BrAID study protocol: integration of machine learning and transcriptomics for brugada syndrome recognition. 2021 , 21, 494	Ο
506	Tumor-Derived Extracellular Vesicles: A Means of Co-opting Macrophage Polarization in the Tumor Microenvironment. 2021 , 9, 746432	2
505	Delivery of synthetic mRNAs for tissue regeneration. 2021 , 179, 114007	6
504	EDTA stabilizes the concentration of platelet-derived extracellular vesicles during blood collection and handling. 2021 , 1-8	2
503	Impact of native and external factors on exosome release: understanding reactive exosome secretion and its biogenesis. 2021 , 48, 7559-7573	О
502	Converting extracellular vesicles into nanomedicine: loading and unloading of cargo. 2021 , 16, 100148	4
501	Extracellular vesicle proteomes of two transmissible cancers of Tasmanian devils reveal tenascin-C as a serum-based differential diagnostic biomarker. 2021 , 78, 7537-7555	4
500	Topical Administration of Melatonin-Loaded Extracellular Vesicle-Mimetic Nanovesicles Improves 2,4-Dinitrofluorobenzene-Induced Atopic Dermatitis. 2021 , 11,	1
499	TNF-ECarried by Plasma Extracellular Vesicles Predicts Knee Osteoarthritis Progression. 2021 , 12, 758386	1
498	SnRNA sequencing defines signaling by RBC-derived extracellular vesicles in the murine heart. 2021 , 4 ,	4
497	Molecular Determinants for RNA Release into Extracellular Vesicles. 2021 , 10,	3
496	New hope for intervertebral disc degeneration: bone marrow mesenchymal stem cells and exosomes derived from bone marrow mesenchymal stem cell transplantation. 2021 ,	1
495	Comprehensive overview of extracellular vesicle proteomics in meningioma: future strategy. 2021 , 48, 8061-8074	
494	Extracellular vesicle-associated small heat shock proteins as therapeutic agents in neurodegenerative diseases and beyond. 2021 , 179, 114009	1
493	LBliche Rezeptoren des Complement-Anaphylatoxins C5a lein neuer Marker ffl Sepsis?. 2010 , 213-214	

492	Counteracting Subversion of MHC Class II Antigen Presentation by Tumors. 2011 , 173-194	
491	Microparticles Novel Mechanisms of Intracellular Communication: Implication in Health and Disease. 2011 , 3, 18	
490	Serological diagnostics of myocardium diseases based on multivariate analysis of cardiotrophic autoantibodies[profiles. 2012 , 02, 49-58	
489	Immune Modulation of T Cells and Natural Killer Cells by Tumor-Derived Exosomes. 2013 , 149-168	
488	Circulating Microparticles. 2013 , 925-932	
487	Gap Junctions in Antigen-Presenting Cells. 2013 , 61-88	
486	Ultrastructure of Endothelium and Microparticles. 2013 , 101-135	
485	Thermodynamically Stable RNA Three-Way Junction for Constructing Multifunctional Nanoparticles for Delivery of Therapeutics. 2013 , 381-406	1
484	Membrane-Derived Extracellular Vesicles from Endothelial Progenitor Cells Activate Angiogenesis. 2014 , 17-25	
483	Microvesicular Transfer of MicroRNA in Tumor Microenvironment. 2014 , 327-348	
482	Development therapeutic system by exosomal DDS of nucleic acid drugs. 2014 , 29, 134-139	
481	Paradoxical Effects of Microvesicles on Free Radicals Generation [Pathological Implications. 2014, 877-888	
480	Role of Extracellular Vesicles in Tissue/Organ Regeneration. 2014 , 231-244	1
479	Role of MFG-E8 in the Brain. 2014 , 173-187	
478	Overview of Extracellular Vesicles in Health and Disease. 2014 , 1-46	
477	Interaction of nanoparticles with the immune system. 2015 , 94-110	
476	Long non-coding RNAs in pancreatic cancer. 2016 , 31, 32-40	2
475	MicroRNA Analysis in Acute Lung Injury. 2017 , 161-177	О

474	Basic Immunobiology. 2017 , 1-93	
473	Proteomic Analysis of Extracellular Vesicles in Neurological Diseases. 2017 , 245-253	
472	Exosomal miRNAs and Cancer. 2017 , 2,	
471	Mono-ubiquitination of syntaxin 3 leads to retrieval from the basolateral plasma membrane and facilitates cargo recruitment to exosomes.	
470	Analysis of Exosome Transfer in Mammalian Cells by Fluorescence Recovery after Photobleaching. 2018 , 8, e2692	0
469	Simvastatin mediates inhibition of exosome synthesis, localization and secretion via multicomponent interventions.	
468	Role of Mesenchymal Stem CellsDerived Exosomes in Osteoarthritis Treatment. 2018, 62, 19-23	
467	Exosomal transmission between macrophages and cancer cells: new insights to stroma-mediated drug resistance. 2018 , 9, 37282-37283	Ο
466	Extracellular Vesicles Derived from Mesenchymal Stem/Stromal Cells: Current Approaches to Enhance Their Release and Therapeutic Potential. 2019 , 101-111	
465	Hsp60 in Inflammatory Disorders. 2019 , 167-178	Ο
464	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-inflammatory Effects. 2019 , 89-123	1
463	Mesenchymal Stromal Cell Secretome for Tissue Repair. 2019 , 1-26	
462	Role of extracellular vesicles in diagnosis and treatment of liver fibrosis. 2019 , 27, 515-520	
461	Glypican-1 in serum-derived exosomes as a potential biomarker in liquid biopsy of non-small cell lung cancer. 2019 , 31,	
460	Immunopathology as a Basis for Immunotherapy of Head and Neck Squamous Cell Carcinoma. 2020 , 333-354	
459	Extracellular Vesicles and Circulating miRNAs E xercise-Induced Mitigation of Obesity and Associated Metabolic Diseases. 2020 , 59-80	
458	Actin reorganization at the centrosomal area and the immune synapse regulates polarized secretory traffic of multivesicular bodies in T lymphocytes.	
457	Cold exposure aggravates pulmonary arterial hypertension through increased miR-146a-5p, miR-155-5p and cytokines TNFIL-1 and IL-6. 2021 , 287, 120091	6

456	Epithelial-Cell-Derived Extracellular Vesicles in Pathophysiology of Epithelial Injury and Repair in Chronic Rhinosinusitis: Connecting Immunology in Research Lab to Biomarkers in Clinics. 2021 , 22,	О
455	Periodontitis and Gestational Diabetes Mellitus: A Potential Inflammatory Vicious Cycle. 2021 , 22,	1
454	Challenges and strategy in treatment with exosomes for cell-free-based tissue engineering in dentistry. 2021 , 7, FSO751	2
453	Microfluidic device for one-step detection of breast cancer-derived exosomal mRNA in blood using signal-amplifiable 3D nanostructure. 2022 , 197, 113753	7
452	Intracellular delivery system based on biofunctional peptide-modified exosomes. 2020, 35, 47-56	
451	Analysis of differential expression of long non-coding RNAs in exosomes derived from mature and immature dendritic cells. 2021 , 23,	O
450	Role of Stem Cell-Derived Microvesicles in Cardiovascular Disease. 2020 , 76, 650-657	O
449	Optical fiber amplifier and thermometer assisted point-of-care biosensor for detection of cancerous exosomes. 2022 , 351, 130893	O
448	The Growing World of DAMPs. 2020 , 67-116	
447	Application of extracellular vesicles in the treatment of inflammatory bowel disease. 2020 , 22, 209-219	
446	IEO model: A novel concept describing the complete metastatic process in the liver microenvironment. 2020 , 19, 3627-3633	1
446		2
	microenvironment. 2020 , 19, 3627-3633	
445	microenvironment. 2020, 19, 3627-3633 Hallmarks of 'exosomes 2022, 8, FSO764 BMSC-Derived Exosomes Ameliorate Osteoarthritis by Inhibiting Pyroptosis of Cartilage via	2
444	microenvironment. 2020, 19, 3627-3633 Hallmarks of 'exosomes 2022, 8, FSO764 BMSC-Derived Exosomes Ameliorate Osteoarthritis by Inhibiting Pyroptosis of Cartilage via Delivering miR-326 Targeting HDAC3 and STAT1//NF-B p65 to Chondrocytes. 2021, 2021, 9972805 Affibody Functionalized Beads for the Highly Sensitive Detection of Cancer Cell-Derived Exosomes.	4
444 443	microenvironment. 2020, 19, 3627-3633 Hallmarks of exosomes 2022, 8, FSO764 BMSC-Derived Exosomes Ameliorate Osteoarthritis by Inhibiting Pyroptosis of Cartilage via Delivering miR-326 Targeting HDAC3 and STAT1//NF-B p65 to Chondrocytes. 2021, 2021, 9972805 Affibody Functionalized Beads for the Highly Sensitive Detection of Cancer Cell-Derived Exosomes. 2021, 22, Novel Roles of Small Extracellular Vesicles in Regulating the Quiescence and Proliferation of Neural	2 4 0
444 443 442	microenvironment. 2020, 19, 3627-3633 Hallmarks of exosomes 2022, 8, FSO764 BMSC-Derived Exosomes Ameliorate Osteoarthritis by Inhibiting Pyroptosis of Cartilage via Delivering miR-326 Targeting HDAC3 and STAT1//NF-B p65 to Chondrocytes. 2021, 2021, 9972805 Affibody Functionalized Beads for the Highly Sensitive Detection of Cancer Cell-Derived Exosomes. 2021, 22, Novel Roles of Small Extracellular Vesicles in Regulating the Quiescence and Proliferation of Neural Stem Cells. 2021, 9, 762293	2 4 0

438	Tasmanian devil facial tumor-derived extracellular vesicles reveal mesenchymal transition markers and adhesion molecules related to metastasis.	
437	Impact of Plasmodium falciparum small-sized extracellular vesicles on host peripheral blood mononuclear cells. 5, 197	1
436	Machine learning-based clustering of nanosized fluorescent extracellular vesicles.	
435	The Use of Peptide and Protein Vectors to Cross the Blood-Brain Barrier for the Delivery of Therapeutic Concentration of Biologics. 2021 , 119-147	
434	Key Concepts of Organ-Crosstalk. 2021 , 165-176	
433	The Interplay Between Exosomes and Spermatozoa. 2021 , 115-139	1
432	Exosome/microvesicle-mediated epigenetic reprogramming of cells. 2011 , 1, 98-110	188
431	Extracellular/circulating microRNAs and their potential role in cardiovascular disease. 2011, 1, 138-149	129
430	Role of microparticles in dengue virus infection and its impact on medical intervention strategies. 2012 , 85, 3-18	9
429	Tumor exosomes: a novel biomarker?. 2011 , 2, 203-5	5
429 428	Tumor exosomes: a novel biomarker?. 2011 , 2, 203-5 Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012 , 1, 217-25	5
428	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012 , 1, 217-25 Phenotypic modulation of auto-reactive cells by insertion of tolerogenic molecules via MSC-derived	53
428 427	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012 , 1, 217-25 Phenotypic modulation of auto-reactive cells by insertion of tolerogenic molecules via MSC-derived exosomes. 2012 , 3, 257-61	53 15
428 427 426	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012, 1, 217-25 Phenotypic modulation of auto-reactive cells by insertion of tolerogenic molecules via MSC-derived exosomes. 2012, 3, 257-61 Non-canonical signaling mode of the epidermal growth factor receptor family. 2015, 5, 2944-58 Mesenchymal Stem Cell Derived Exosomes: A New Hope for the Treatment of Cardiovascular	53 15 25
428 427 426 425	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012, 1, 217-25 Phenotypic modulation of auto-reactive cells by insertion of tolerogenic molecules via MSC-derived exosomes. 2012, 3, 257-61 Non-canonical signaling mode of the epidermal growth factor receptor family. 2015, 5, 2944-58 Mesenchymal Stem Cell Derived Exosomes: A New Hope for the Treatment of Cardiovascular Disease?. 2014, 30, 395-400 Mesenchymal stem cell-derived exosomes facilitate nasopharyngeal carcinoma progression. 2016,	53 15 25
428 427 426 425 424	Exosomes-associated neurodegeneration and progression of Parkinson's disease. 2012, 1, 217-25 Phenotypic modulation of auto-reactive cells by insertion of tolerogenic molecules via MSC-derived exosomes. 2012, 3, 257-61 Non-canonical signaling mode of the epidermal growth factor receptor family. 2015, 5, 2944-58 Mesenchymal Stem Cell Derived Exosomes: A New Hope for the Treatment of Cardiovascular Disease?. 2014, 30, 395-400 Mesenchymal stem cell-derived exosomes facilitate nasopharyngeal carcinoma progression. 2016, 6, 459-72 Exosome-mediated transfer from the tumor microenvironment increases TGFBignaling in	53 15 25 15 36

420	Potential biological functions of microvesicles derived from adenoid cystic carcinoma. 2018 , 15, 7900-7908	1
419	Essential Role of Sphingosine Kinase 2 in the Regulation of Cargo Contents in the Exosomes from K562 Cells. 2018 , 63, E123-E129	5
418	Considerations on the harvesting site and donor derivation for mesenchymal stem cells-based strategies for diabetes. 2017 , 5,	8
417	Exosomes in cancer therapy: a novel experimental strategy. 2018 , 8, 2165-2175	21
416	Immunologic Role of Extracellular Vesicles and Exosomes in the Pathogenesis of Cystic Fibrosis. 2018 , 17, 66-72	7
415	Exosomes isolated from serum of systemic sclerosis patients display alterations in their content of profibrotic and antifibrotic microRNA and induce a profibrotic phenotype in cultured normal dermal fibroblasts. 2017 , 35 Suppl 106, 21-30	21
414	Role of sepsis modulated circulating microRNAs. 2019 , 30, 128-145	31
413	[Review for different sources of exosomes in bone tissue engineering research]. 2020 , 38, 193-197	
412	The role of tumor-isolated exosomes on suppression of immune reactions and cancer progression: A systematic review. 2020 , 34, 91	
411	Extracellular vesicles and its advances in female reproduction. 2020 , 16, 31-38	2
410	The emerging role of exosomes in the pathogenesis, prognosis and treatment of necrotizing enterocolitis. 2020 , 12, 7020-7033	5
409	Extracellular vesicles in Inter-Kingdom communication in gastrointestinal cancer. 2021 , 11, 1087-1103	1
408	Epigenetics and precision medicine in allergic diseases. 2022 , 407-448	
407	Treatment Failure in Acute Myeloid Leukemia: Focus on the Role of Extracellular Vesicles. 2021 , 112, 106751	2
406	Peripheral nerve tissue engineering. 2022 , 481-517	
405	Elucidating the Role of Extracellular Vesicles in Pancreatic Cancer. 2021 , 13,	4
404	Role of Extracellular Vesicle-Based Cell-to-Cell Communication in Multiple Myeloma Progression. 2021 , 10,	6
403	The Impact of Inflammation on the Immune Responses to Transplantation: Tolerance or Rejection?. 2021 , 12, 667834	O

 $_{\rm 402}$ $\,$ Proteomic Characterization of Serum Small Extracellular Vesicles in Human Breast Cancer.

	CD47 interactions with exportin-1 limit the targeting of mG-modified RNAs to extracellular	
401	vesicles. 2021 , 1	2
400	Exosomes as Potential Biomarkers for Erectile Dysfunction, Varicocele, and Testicular Injury. 2021,	2
399	Tango of dual nanoparticles: Interplays between exosomes and nanomedicine. e10269	1
398	Blood Nanoparticles - Influence on Extracellular Vesicle Isolation and Characterization. 2021, 12, 773844	6
397	Emerging roles for AQP in mammalian extracellular vesicles. 2021 , 1864, 183826	2
396	CAR Treg: A new approach in the treatment of autoimmune diseases. 2021 , 102, 108409	1
395	A scalable coaxial bioprinting technology for mesenchymal stem cell microfiber fabrication and high extracellular vesicle yield. 2021 , 14,	1
394	Goat Milk Exosomes As Natural Nanoparticles for Detecting Inflammatory Processes By Optical Imaging. 2021 , e2105421	2
393	Exosomes and Exosomal Non-coding RNAs Are Novel Promises for the Mechanism-Based Diagnosis and Treatments of Atrial Fibrillation 2021 , 8, 782451	O
392	Small Extracellular Vesicles and COVID19-Using the "Trojan Horse" to Tackle the Giant 2021, 10,	2
391	Insights into stem cell therapy for premature ovarian insufficiency. 2021 , 5, 237	
390	Exosomes isolated from melatonin-stimulated mesenchymal stem cells improve kidney function by regulating inflammation and fibrosis in a chronic kidney disease mouse model. 2021 , 12, 20417314211059624	5
389	Ultrastructural Analysis of Inflammatory Breast Cancer Cell Clusters in an Ex Vivo Environment Mechanically Mimicking the Lymph Vascular System 2021 , 15, 11782234211056134	
388	Will 14-3-3 Be a New Diagnostic and Prognostic Biomarker in Rheumatoid Arthritis? A Prospective Study of Its Utility in Early Diagnosis and Response to Treatment 2022 , 2022, 1497748	
387	Small extracellular vesicles: from mediating cancer cell metastasis to therapeutic value in pancreatic cancer 2022 , 20, 1	3
386	Emerging Role of Cancer-Associated Fibroblasts-Derived Exosomes in Tumorigenesis 2021 , 12, 795372	3
385	Aplastic anemia: Pathophysiology 2022 , 59, 13-20	1

384	Proteome changes of plasma-derived extracellular vesicles in patients with myelodysplastic syndrome 2022 , 17, e0262484	1
383	Real time imaging of single extracellular vesicle pH regulation in a microfluidic cross-flow filtration platform 2022 , 5, 13	2
382	Differential translational regulation of host exosomal proteins play key role in immunomodulation in antimony resistance in Visceral Leishmaniasis: A proteomic profiling study. 2021 , 106268	
381	Chondrocyte-derived Exosomal miR-195 Inhibits Osteosarcoma Cell Proliferation and Anti-Apoptotic by Targeting KIF4A in vitro and in vivo 2021 , 16, 101289	2
380	Practical considerations in transforming MSC therapy for neurological diseases from cell to EV 2021 , 349, 113953	O
379	Determining the Size Distribution and Integrity of Extracellular Vesicles by Dynamic Light Scattering 2022 , 2413, 165-175	O
378	The Role of Small Extracellular Vesicles in the Progression of Colorectal Cancer and Its Clinical Applications 2022 , 23,	O
377	Culture Condition of Bone Marrow Stromal Cells Affects Quantity and Quality of the Extracellular Vesicles 2022 , 23,	O
376	Exosomes Recovered From the Plasma of COVID-19 Patients Expose SARS-CoV-2 Spike-Derived Fragments and Contribute to the Adaptive Immune Response 2021 , 12, 785941	2
375	Emerging Advances of Detection Strategies for Tumor-Derived Exosomes 2022 , 23,	2
374	Diffuse large B-cell lymphoma-derived exosomes push macrophage polarization toward M2 phenotype via GP130/STAT3 signaling pathway 2021 , 352, 109779	1
373	Evaluation of exosomal non-coding RNAs in cancer using high-throughput sequencing 2022 , 20, 30	4
372	The role of phosphatidylserine on the membrane in immunity and blood coagulation 2022, 10, 4	2
371	Exosome as a Delivery Vehicle for Cancer Therapy 2022 , 11,	5
370	Extracellular vesicles derived from endothelial cells in hypoxia contribute to pulmonary artery smooth muscle cell proliferation in-vitro and pulmonary hypertension in mice 2022 , 12, e12014	1
369	Recent advances in exosome analysis assisted by functional nucleic acid-based signal amplification technologies. 2022 , 149, 116549	O
368	Confocal microscopy analysis reveals that only a small proportion of extracellular vesicles are successfully labelled with commonly utilised staining methods 2022 , 12, 262	1
367	Pioneer Role of Extracellular Vesicles as Modulators of Cancer Initiation in Progression, Drug Therapy, and Vaccine Prospects 2022 , 11,	3

366	Exosomal microRNAs as Potential Biomarkers and Therapeutic Agents for Acute Ischemic Stroke: New Expectations 2021 , 12, 747380	2
365	Regenerative medicine and traumatic brain injury: from stem cell to cell-free therapeutic strategies 2022 , 17, 37-53	Ο
364	The therapeutic potential of immune cell-derived exosomes as an alternative to adoptive cell transfer. 2022 , 55, 39-47	3
363	Therapeutic potential of induced pluripotent stem cellderived extracellular vesicles. 2022, 393-449	
362	Non-classical Notch signaling by MDA-MB-231 breast cancer cell-derived small extracellular vesicles promotes malignancy in poorly invasive MCF-7 cells 2022 ,	O
361	Delivery of siRNA based on engineered exosomes for glioblastoma therapy by targeting STAT3 2022 ,	2
360	Tumor-derived extracellular vesicles: Potential tool for cancer diagnosis, prognosis, and therapy 2022 , 29, 2063-2071	1
359	Extracellular Vesicles Mediate the Intercellular Exchange of Nanoparticles 2022 , 9, e2102441	3
358	Extracellular vesicles and exosome: insight from physiological regulatory perspectives 2022, 1	2
357	Exosomes and exosome-mimetics as targeted drug carriers: Where we stand and what the future holds?. 2022 , 68, 103057	
356	Dental pulp stem cell-derived exosomes suppress M1 macrophage polarization through the ROS-MAPK-NF B P65 signaling pathway after spinal cord injury 2022 , 20, 65	3
355	Tumour- associated autoantibodies as prognostic cancer biomarkers- a review 2022 , 21, 103041	3
354	The interweaving relationship between extracellular vesicles and T cells in cancer 2021, 530, 1-1	2
353	Stimulatory Effects of Extracellular Vesicles Derived from Leuconostoc holzapfelii That Exists in Human Scalp on Hair Growth in Human Follicle Dermal Papilla Cells. 2022 , 44, 845-866	2
352	Pathogenic and Potential Therapeutic Roles of Exosomes Derived From Immune Cells in Liver Diseases 2022 , 13, 810300	0
351	Harnessing the Therapeutic Potential of Extracellular Vesicles for Biomedical Applications Using Multifunctional Magnetic Nanomaterials 2022 , e2104783	5
350	Multivalency-Induced Shape Deformation of Nanoscale Lipid Vesicles: Size-Dependent Membrane Bending Effects 2022 , 1480-1488	2
349	Exosomes and their Cargo as a New Avenue for Brain and Treatment of CNS-Related Diseases. 2022 , 16,	Ο

348	Mechanisms governing the therapeutic effect of mesenchymal stromal cell-derived extracellular vesicles: A scoping review of preclinical evidence 2022 , 147, 112683	1
347	Small extracellular vesicles from hypoxic mesenchymal stem cells alleviate intervertebral disc degeneration by delivering miR-17-5p. 2021 ,	2
346	Letter to the editor regarding "miR-660-5p-loaded M2 macrophages-derived exosomes augment hepatocellular carcinoma development through regulating KLF3" 2022 , 106, 108554	O
345	Controlling the fate of regenerative cells with engineered platelet-derived extracellular vesicles 2022 ,	1
344	Cell culture metabolomics and lipidomics. 2022 , 415-456	
343	Adjuvants, immunomodulators, and adaptogens. 2022 , 223-280	
342	Role of herbal bioactives and their formulations in the treatment of gastrointestinal disorders. 2022 , 1-24	
341	Exosomal RNAs: Novel Potential Biomarkers for Diseases-A Review 2022 , 23,	1
340	Characterization of MicroRNA Cargo of Extracellular Vesicles Isolated From the Plasma of -Infected Mice 2022 , 12, 803242	O
339	The Emerging Role of Macrophages in Chronic Obstructive Pulmonary Disease: The Potential Impact of Oxidative Stress and Extracellular Vesicle on Macrophage Polarization and Function 2022 , 11,	4
338	Association between Maternal Periodontitis and Development of Systematic Diseases in Offspring 2022 , 23,	O
337	Hydrostatic Pressure Controls Angiogenesis Through Endothelial YAP1 During Lung Regeneration 2022 , 10, 823642	O
336	Extracellular vesicles and immune response during pregnancy: A balancing act 2022,	1
335	Precipitation-Mediated PEGylation of Plant-Derived Nanovesicles. 2022 , 30, 85-89	
334	T Lymphocyte and CAR-T Cell-Derived Extracellular Vesicles and Their Applications in Cancer Therapy 2022 , 11,	O
333	DNAJB8 in small extracellular vesicles promotes Oxaliplatin resistance through TP53/MDR1 pathway in colon cancer 2022 , 13, 151	1
332	Drug Loading and Functional Efficacy of Cow, Buffalo, and Goat Milk-Derived Exosomes: A Comparative Study 2022 , 19, 763-774	1
331	Removal of cellular protrusions 2022,	1

330	Exosome Processing and Characterization Approaches for Research and Technology Development 2022 , e2103222	4
329	RNA sequencing reveals the emerging role of bronchoalveolar lavage fluid exosome lncRNAs in acute lung injury 2022 , 10, e13159	1
328	Potential Roles of Extracellular Vesicles as Diagnosis Biomarkers and Therapeutic Approaches for Cognitive Impairment in Alzheimer's Disease 2022 ,	1
327	Biobanking and Biomarkers in the Alzheimer Disease Drug-Development Ecosystem. 2022, 123-134	
326	Cancer's camouflage: Microvesicle shedding from cholesterol-rich tumor plasma membranes might blindfold first-responder immunosurveillance strategies 2022 , 101, 151219	
325	Therapeutic Effects of Platelet-Derived Extracellular Vesicles in a Bioengineered Tendon Disease Model 2022 , 23,	1
324	Insights into the immune responses of SARS-CoV-2 in relation to COVID-19 vaccines 2022 , 60, 308-320	O
323	Mesenchymal Stromal Cells for Enhancing Hematopoietic Engraftment and Treatment of Graft-Versus-Host Disease, Hemorrhages and Acute Respiratory Distress Syndrome 2022 , 13, 839844	2
322	Identification and functional characterization of multiple inositol polyphosphate phosphatase1 (Minpp1) isoform-2 in exosomes with potential to modulate tumor microenvironment 2022 , 17, e0264451	1
321	Therapeutic Potential of Microvesicles in Cell Therapy and Regenerative Medicine of Ocular Diseases With an Especial Focus on Mesenchymal Stem Cells-Derived Microvesicles 2022 , 13, 847679	O
320	Sustained Exosome-Guided Macrophage Polarization Using Hydrolytically Degradable PEG Hydrogels for Cutaneous Wound Healing: Identification of Key Proteins and MiRNAs, and Sustained Release Formulation 2022 , e2200060	6
319	Identifying the Efficacy of Extracellular Vesicles in Osteogenic Differentiation: An EV-Lution in Regenerative Medicine. 2022 , 3,	
318	Analysis of microRNAs in Exosomes of Breast Cancer Patients in Search of Molecular Prognostic Factors in Brain Metastases 2022 , 23,	2
317	Tumor-Derived Exosomes Modulate Primary Site Tumor Metastasis 2022 , 10, 752818	O
316	Side-Directed Release of Differential Extracellular Vesicle-associated microRNA Profiles from Bronchial Epithelial Cells of Healthy and Asthmatic Subjects 2022 , 10,	1
315	In situ antigen modification-based target-redirected universal chimeric antigen receptor T (TRUE CAR-T) cell therapy in solid tumors 2022 , 15, 29	O
314	Recent Advances in the Application of Mesenchymal Stem Cell-Derived Exosomes for Cardiovascular and Neurodegenerative Disease Therapies 2022 , 14,	0
313	Exosomes as Promising Nanostructures in Diabetes Mellitus: From Insulin Sensitivity to Ameliorating Diabetic Complications 2022 , 17, 1229-1253	1

312	Exosomes as bio-inspired nanocarriers for RNA delivery: preparation and applications 2022, 20, 125	6
311	Cellular vesicles expressing PD-1-blocking scFv reinvigorate T cell immunity against cancer. 1	O
310	Subgroups of Extracellular Vesicles: Can They Be Defined by "Labels?". 2022 ,	Ο
309	Extracellular vesicles with diagnostic and therapeutic potential for prion diseases 2022, 1	1
308	Characteristics of Extracellular Vesicles and Preclinical Testing Considerations Prior to Clinical Applications 2022 , 10,	1
307	Current advances in the use of exosomes, liposomes, and bioengineered hybrid nanovesicles in cancer detection and therapy 2022 ,	4
306	Toxoplasmosis in Human and Animals Around the World. Diagnosis and Perspectives in the One Health Approach 2022 , 106432	1
305	Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1 2021 , 204, 113879	1
304	Therapeutic Effects of Hypoxic and Pro-Inflammatory Priming of Mesenchymal Stem Cell-Derived Extracellular Vesicles in Inflammatory Arthritis 2021 , 23,	1
303	Plasmonic Metasurfaces for Medical Diagnosis Applications: A Review 2021 , 22,	5
302	The Biological Use of Platelet-Rich Plasma in Skeletal Muscle Injury and Repair 2021, 3635465211061606	O
301	Analysis of Peripheral Blood Mononuclear Cells Gene Expression Highlights the Role of Extracellular Vesicles in the Immune Response following Hematopoietic Stem Cell Transplantation in Children 2021 , 12,	
300	Herpes simplex virus interference with immunity: Focus on dendritic cells 2021, 12, 2583-2607	1
299	What Is the Role of HLA-I on Cancer Derived Extracellular Vesicles? Defining the Challenges in Characterisation and Potential Uses of This Ligandome 2021 , 22,	1
_		
298	Extracellular vesicles carrying miRNA-181b-5p affects the malignant progression of acute lymphoblastic leukemia 2021 , 19, 511	2
298 297		2 O
	lymphoblastic leukemia 2021 , 19, 511 Exosomes originating from infection with the cytoplasmic single-stranded RNA virus Rift Valley fever virus (RVFV) protect recipient cells by inducing RIG-I mediated IFN-B response that leads to	

The Role of Exosomes in Cancer Progression.. 2021, 23, 294 2 Exogenous and Endogenous Dendritic Cell-Derived Exosomes: Lessons Learned for Immunotherapy 293 and Disease Pathogenesis.. 2021, 11, Emerging roles for extracellular vesicles in Schistosoma infection.. 2022, 106467 292 Tumour-associated antigenic peptides are present in the HLA class I ligandome of cancer cell line 291 derived extracellular vesicles.. 2022, MicroRNAs as Regulators of Phagocytosis.. 2022, 11, 290 Role of extracellular vesicles in severe pneumonia and sepsis.. 2022, 289 288 Image_1.TIFF. 2020, Table_1.docx. 2020, 287 Table_2.xlsx. 2020, 286 285 Data_Sheet_1.PDF. 2020, Data_Sheet_1.docx. 2019, 284 283 Image_1.TIFF. 2019, 282 Image_2.TIFF. 2019, Image_3.TIFF. 2019, 281 280 Table_1.XLSX. **2019**, Table_2.DOCX. **2019**, 279 278 Table_3.XLSX. **2019**, Table_4.XLSX. 2019,



(2020-2020)





222 Image_2.TIF. **2020**,

221	Novel Pharmacological Targets for Pulmonary Arterial Hypertension. 2021 , 11, 2297-2349	1
220	Extracellular Vesicles and Their Use as Vehicles of Immunogens 2022, 2504, 177-198	
219	[Advances in Clinical Application of Liquid Biopsy in Non-small Cell Lung Cancer]. 2021 , 24, 723-728	
218	Extracellular Vesicles Mediate Immune Responses to Tissue-Associated Self-Antigens: Role in Solid Organ Transplantations 2022 , 13, 861583	О
217	The Emerging Role of Extracellular Vesicle Derived From Neurons/Neurogliocytes in Central Nervous System Diseases: Novel Insights Into Ischemic Stroke 2022 , 13, 890698	Ο
216	Pathological Contribution of Extracellular Vesicles and Their MicroRNAs to Progression of Chronic Liver Disease. 2022 , 11, 637	0
215	Extracellular Vesicles and the Inflammasome: An Intricate Network Sustaining Chemoresistance 2022 , 12, 888135	O
214	The Role of Cell Derived Microparticles in Cardiovascular Diseases: Current Concepts. 2022 , 28,	О
213	Actin-regulated Siglec-1 nanoclustering influences HIV-1 capture and virus-containing compartment formation in dendritic cells.	
212	The Peripheral Circulating Exosomal microRNAs Related to Central Inflammation in Chronic Heart Failure 2022 ,	1
211	Recent progress on microfluidic devices with incorporated 1D nanostructures for enhanced extracellular vesicle (EV) separation. 1	1
210	Glioblastoma-Derived Exosomes as Nanopharmaceutics for Improved Glioma Treatment. 2022 , 14, 1002	1
209	Mammalian cumulus-oocyte complex communication: a dialog through long and short distance messaging 2022 , 39, 1011	1
208	Immune cells-derived exosomes function as a double-edged sword: role in disease progression and their therapeutic applications 2022 , 10, 30	1
207	Unpacking the Role of Extracellular Vesicles in Ischemic and Hemorrhagic Stroke: Pathophysiology and Therapeutic Implications 2022 ,	1
206	Single-cell sequencing: a promising approach for uncovering the mechanisms of tumor metastasis 2022 , 15, 59	3
205	The Stem Cell Continuum Model and Implications in Cancer. 2022 , 1-24	

204	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. 2022 , 14, 1054	2
203	Finite element analysis of inertial migration of polymer vesicles in microtubule flow. 2022,	
202	Multiple roles of circulating tumor cells and exosomes in cancer metastasis. 2022, 7-21	
201	Regenerative Technologies and Adipose-Derived Stem Cells (ADSCs): Regulatory, Ethical, and Technical Updates. 2022 , 109-121	
200	An itch for things remote: The journey of Wnts. 2022 ,	3
199	Mesenchymal Stem Cells-Derived Exosomes Ameliorate Ischemia/Reperfusion Induced Acute Kidney Injury in a Porcine Model. 2022 , 10,	1
198	Proteomics and Extracellular Vesicles as Novel Biomarker Sources in Peritoneal Dialysis in Children. 2022 , 23, 5655	O
197	Bioengineering exosomes for treatment of organ ischemia-reperfusion injury. 2022 , 302, 120654	O
196	Extracellular vesicles in respiratory disease. 2022 , 105-127	1
195	Cells and Structures Involved in Hair Follicle Regeneration: An Introduction. 2022 , 39-57	
194	Application of Plant-Based Nanoparticles in Wastewater Decontamination. 2022, 89-113	
193	New therapeutic approach with extracellular vesicles from stem cells for interstitial cystitis/bladder pain syndrome. 2022 , 55, 205-212	O
192	Tumor-Derived Exosomes Regulate Apoptosis of CD45+EpCAM+ Cells in Lung Cancer. 13,	O
191	Extracellular Vesicles and Hepatocellular Carcinoma: Opportunities and Challenges. 12,	1
190	Membrane Translocation of Folded Proteins. 2022 , 102107	
189	Molecular markers in cancer. 2022 ,	O
188	Progress of exosome research in systemic lupus erythematosus. 2022 , 4, 100066	0
187	???????????????????. 2022,	

186	Lipidic Profile Changes in Exosomes and Microvesicles Derived From Plasma of Monoclonal Antibody-Treated Psoriatic Patients. 10,	2
185	Extracellular Vesicles and Cancer Therapy: Insights into the Role of Oxidative Stress. 2022 , 11, 1194	O
184	Size Separation of Exosomes and Microvesicles Using Flow Field-Flow Fractionation/Multiangle Light Scattering and Lipidomic Comparison.	1
183	Extracellular vesicle-based macromolecule delivery systems in cancer immunotherapy. 2022 , 348, 572-589	1
182	Exosome-mediated remodeling of the tumor microenvironment: From local to distant intercellular communication. 2022 , 543, 215796	1
181	Methods for the Detection of Circulating Biomarkers in Cancer Patients. 2022 , 525-552	O
180	The Association of Human Astrovirus with Extracellular Vesicles Facilitates Cell Infection and Protects the Virus from Neutralizing Antibodies.	
179	Temozolomide increases heat shock proteins in extracellular vesicles released from glioblastoma cells.	O
178	Biomaterial-Based Schwann Cell Transplantation and Schwann Cell-Derived Biomaterials for Nerve Regeneration. 16,	3
177	Immunologie der Schwangerschaft: von lokalen und systemischen Protagonisten zum High-Content-Immunprofiling.	
176	Exosomal microRNAs miR-30d-5p and miR-126a-5p Are Associated with Heart Failure with Preserved Ejection Fraction in STZ-Induced Type 1 Diabetic Rats. 2022 , 23, 7514	1
175	Emerging role of exosomes in hematological malignancies.	O
174	Diagnostic and Therapeutic Properties of Exosomes in Cardiac Fibrosis. 10,	1
173	Tumor-Derived Membrane Vesicles: A Promising Tool for Personalized Immunotherapy. 2022 , 15, 876	O
172	Engineered exosomes for studies in tumor immunology.	2
171	Extracellular vesicles in Itell biology: Role of lipids in vesicle biogenesis, cargo, and intercellular signaling. 2022 , 63, 101545	O
170	Therapeutic potential role of exosomes for ischemic stroke. 2019 , 5, 128-143	
169	Knowledge Mapping of Exosomes in Autoimmune Diseases: A Bibliometric Analysis (2002🛭021). 13,	O

168	Promising Role of Oral Cavity Mesenchymal Stem Cell-Derived Extracellular Vesicles in Neurodegenerative Diseases.	O
167	Research progress of tumor-derived extracellular vesicles in the treatment of malignant pleural effusion.	2
166	Role of extracellular vesicles in lung diseases. Publish Ahead of Print,	0
165	The impacts of exosomes on bone metastatic progression and their potential clinical utility. 2022 , 17, 101606	O
164	Future of Digital Assays to Resolve Clinical Heterogeneity of Single Extracellular Vesicles. 2022, 16, 11619-11	645
163	Quantitative proteomics identifies proteins enriched in large and small extracellular vesicles. 2022 , 100273	O
162	Adipose-Derived Stem Cell Exosomes as a Novel Anti-Inflammatory Agent and the Current Therapeutic Targets for Rheumatoid Arthritis. 2022 , 10, 1725	3
161	New Approaches for Enhancement of the Efficacy of Mesenchymal Stem Cell-Derived Exosomes in Cardiovascular Diseases.	4
160	MicroRNAs and Their Big Therapeutic Impacts: Delivery Strategies for Cancer Intervention. 2022 , 11, 2332	0
159	An overview of the efficacy and signaling pathways activated by stem cell-derived extracellular vesicles in diabetic kidney disease. 13,	
158	Probable role of exosomes in the extension of fibrotic alterations from affected to normal cells in systemic sclerosis.	0
157	Pathophysiology of Sepsis and Genesis of Septic Shock: The Critical Role of Mesenchymal Stem Cells (MSCs). 2022 , 23, 9274	
156	Anti-Human CD9 Fab Fragment Antibody Blocks the Extracellular Vesicle-Mediated Increase in Malignancy of Colon Cancer Cells. 2022 , 11, 2474	1
155	Proteomic profiling of aspergillus flavus endophthalmitis derived extracellular vesicles in an in-vivo murine model.	1
154	Delineating the role of extracellular vesicles in cancer metastasis: A comprehensive review. 13,	2
153	Mitochondrial Damage-Associated Molecular Patterns Content in Extracellular Vesicles Promotes Early Inflammation in Neurodegenerative Disorders. 2022 , 11, 2364	O
152	Exosomes: Biogenesis, targeting, characterization and their potential as "Plug & Play" vaccine platforms. 2100646	0
151	Isolation, characterization, and functional study of extracellular vesicles derived from Leishmania tarentolae. 12,	

150	Role of Siglecs in viral infections: A double-edged sword interaction. 2022 , 101113	О
149	Roles of exosomes as drug delivery systems in cancer immunotherapy: a mini-review. 2022 , 13,	O
148	CD9 mediates the uptake of extracellular vesicles from cancer-associated fibroblasts that promote pancreatic cancer cell aggressiveness. 2022 , 15,	4
147	The systemic-level repercussions of cancer-associated inflammation mediators produced in the tumor microenvironment. 13,	2
146	A cryostat-based frozen section method to increase the yield of extracellular vesicles extracted from different tissues. 2022 , 73, 90-98	
145	Extracellular vesicles induce aggressive lung cancer via non-canonical integrin-EGFR-KRAS signaling.	
144	Bridging the Gap between Nonliving Matter and Cellular Life. 2202962	
143	Periodontal ligament cells derived small extracellular vesicles are involved in orthodontic tooth movement.	O
142	M1 macrophage-derived exosomes synergistically enhance the anti- bladder cancer effect of gemcitabine.	2
141	A shared, stochastic pathway mediates exosome protein budding along plasma and endosome membranes. 2022 , 102394	1
140	Progress in mesenchymal stem cell mitochondria transfer for the repair of tissue injury and treatment of disease. 2022 , 153, 113482	О
139	Role of exosomes in lung cancer: A comprehensive insight from immunomodulation to theragnostic applications. 2022 , 1877, 188776	1
138	TRPML3 enhances drug resistance in non-small cell lung cancer cells by promoting Ca2+-mediated lysosomal trafficking. 2022 , 627, 152-159	
137	Urinary Exosomes: A Promising Biomarker for Disease Diagnosis.	O
136	Delivery of human natural killer cell-derived exosomes for liver cancer therapy: an in vivo study in subcutaneous and orthotopic animal models. 2022 , 29, 2897-2911	1
135	Urinary extracellular vesicles carry multiple activators and regulators of coagulation. 10,	O
134	Enrichment of bovine milk-derived extracellular vesicles using surface-functionalized cellulose nanofibers. 2022 , 297, 120069	О
133	Recent advances of natural and bioengineered extracellular vesicles and their application in vascular regeneration. 2022 , 9,	O

132	Extracellular vesicle-associated microRNA-30b-5p activates macrophages through the SIRT1/ NF- B pathway in cell senescence. 13,	1
131	Functions and clinical applications of exosomes in pancreatic cancer.	O
130	Exosomal Micro-RNAs as Intercellular Communicators in Idiopathic Pulmonary Fibrosis. 2022 , 23, 11047	1
129	Harnessing the Therapeutic Potential of Exosomes: A Novel Strategy for Anticancer and Antiviral Therapy. 2022 , 2022, 1-11	O
128	Chronic delta-9-tetrahydrocannabinol (THC) treatment counteracts SIV-induced modulation of proinflammatory microRNA cargo in basal ganglia-derived extracellular vesicles. 2022 , 19,	1
127	Endothelial senescence mediates hypoxia-induced vascular remodeling by modulating PDGFB expression. 9,	1
126	Characterization of Extracellular Vesicles in Osteoporotic Patients Compared to Osteopenic and Healthy Controls.	1
125	Physical association of low density lipoprotein particles and extracellular vesicles unveiled by single particle analysis.	O
124	Activation of bone marrow-derived dendritic cells and CD4+ T cell differentiation by outer membrane vesicles of periodontal pathogens. 2022 , 14,	1
123	Interrelation between extracellular vesicles miRNAs with chronic lung diseases.	O
122	Insights into CD24 and Exosome Physiology and Potential Role in View of Recent Advances in COVID-19 Therapeutics: A Narrative Review. 2022 , 12, 1472	O
121	Mesenchymal stem cell-derived exosomes in cancer therapy resistance: recent advances and therapeutic potential. 2022 , 21,	2
120	The roles of small extracellular vesicles as prognostic biomarkers and treatment approaches in triple-negative breast cancer. 12,	O
119	Comparative analysis of extracellular vesicle isolation methods from human AML bone marrow cells and AML cell lines. 12,	1
118	Extracellular vesicles derived from Pinctada martensii mucus regulate skin inflammation via the NF-B/NLRP3/MAPK pathway. 2022,	O
117	Enterovirus 71 non-structural protein 3A hijacks vacuolar protein sorting 25 to boost exosome biogenesis to facilitate viral replication. 13,	O
116	Update on the application of mesenchymal stem cell-derived exosomes in the treatment of Parkinson's disease: A systematic review. 13,	О
115	Triptolide improves chondrocyte proliferation and secretion via down-regulation of miR-221 in synovial cell exosomes. 2022 , 107, 154479	O

114	In Silico analysis of the sequence and structure of plant microRNAs packaged in extracellular vesicles. 2022 , 101, 107771	0
113	Cancer-associated Fibroblasts Communicate with Breast Tumor Cells Through Extracellular Vesicles in Tumor Development. 2022 , 21, 153303382211316	Ο
112	Emerging roles of mesenchymal stem cell-derived exosomes in gastrointestinal cancers. 10,	0
111	si-PDGFRL oaded Exosomes Suppress the Progression of Glioma by Inhibiting the Oxidative Associated PI3K/Akt/EZH2 Signaling Pathway. 2022 , 2022, 1-15	O
110	Phospholipase D and cancer metastasis: A focus on exosomes. 2022 , 100924	О
109	Potential of Mesenchymal Stem Cell-Based Therapies for Pulmonary Fibrosis.	Ο
108	An integrated lab-on-a-chip platform for pre-concentration and detection of colorectal cancer exosomes using anti-CD63 aptamer as a recognition element. 2022 , 114856	Ο
107	Cancer-derived small extracellular vesicles: emerging biomarkers and therapies for pancreatic ductal adenocarcinoma diagnosis/prognosis and treatment. 2022 , 20,	2
106	Morphological and Mechanical Characterization of Extracellular Vesicles and Parent Human Synoviocytes under Physiological and Inflammatory Conditions. 2022 , 23, 13201	Ο
105	Identification of Differentially Expressed microRNAs Associated with Ischemic Stroke by Integrated Bioinformatics Approaches. 2022 , 2022, 1-53	Ο
104	Extracellular Vesicles Isolated from Plasma of Multiple Myeloma Patients Treated with Daratumumab Express CD38, PD-L1, and the Complement Inhibitory Proteins CD55 and CD59. 2022 , 11, 3365	Ο
103	Current knowledge and future perspectives on exosomes in the field of regenerative medicine: a bibliometric analysis.	O
102	Engineered tumor cell-derived vaccines against cancer: The art of combating poison with poison. 2023 , 22, 491-517	2
101	The Stem Cell Continuum Model and Implications in Cancer. 2022 , 1255-1278	O
100	Research Progress of Exocrine Therapy for Erectile Dysfunction. 2022 , 12, 10217-10224	О
99	Non-invasive diagnosis of endometriosis: Immunologic and genetic markers. 2023 , 538, 70-86	1
98	Follicular fluid extracellular vesicle miRNAs and ovarian aging. 2023, 538, 29-35	1
97	Exosomes-Nature Lipid Nanoparticles, a Rising Star in Drug Delivery and Diagnostics.	3

96	Future perspective of stem cell-derived exosomes: Cell-free therapeutic strategies for retinal degeneration. 10,	Ο
95	Extracellular vesicles-encapsulated microRNA in mammalian reproduction: A review. 2022,	O
94	Mesenchymal stem cell therapy for ischemic stroke: Novel insight into the crosstalk with immune cells. 13,	1
93	Effects and Mechanisms of Exosomes from Different Sources in Cerebral Ischemia. 2022 , 11, 3623	O
92	Development and nation-wide validation of kidney graft injury markers using urinary exosomes and microvesicles (complete English translation of the Japanese version).	0
91	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,	O
90	Label-free quantitative proteomics and immunoblotting identifies immunoreactive and other excretory-secretory (E/S) proteins of Anoplocephala perfoliata. 13,	0
89	Mesenchymal Stem Cell-Derived Extracellular Vesicles Therapy for Pulmonary Hypertension: A Comprehensive Review of Preclinical Studies. 2022 , 2022, 1-11	1
88	MSC-EV therapy for bone/cartilage diseases. 2022 , 17, 101636	0
87	Adipose mesenchymal stem cells-derived exosomes alleviate osteoarthritis by transporting microRNA -376c-3p and targeting the WNT-beta-catenin signaling axis.	O
86	Advances in the Study of Exosomal miRNAs in Diabetes and Its Complications. 2022, 10, 1-11	O
85	The potential of sertoli cells (SCs) derived exosomes and its therapeutic efficacy in male reproductive disorders. 2023 , 312, 121251	1
84	Development of a novel immunization system to induce the innovative antibodies using a spleen-targeting DDS technique. 2022 , 37, 334-340	О
83	CAF-Released Exosomal miR-20a-5p Facilitates HCC Progression via the LIMA1-Mediated Ecatenin Pathway. 2022 , 11, 3857	1
82	Immune engineered extracellular vesicles to modulate T cell activation in the context of type 1 diabetes.	0
81	Genetically Engineered Extracellular Vesicles Harboring Transmembrane Scaffolds Exhibit Differences in Their Size, Expression Levels of Specific Surface Markers and Cell-Uptake. 2022 , 14, 2564	O
80	Novel insight into miRNA biology and its role in the pathogenesis of systemic lupus erythematosus. 13,	1
79	Research landscape of exosomes in platelets from 2000 to 2022: A bibliometric analysis. 9,	0

78	Extracellular Vesicles Role in the Pathophysiology and as Biomarkers in Cystic Fibrosis and COPD. 2023 , 24, 228	О
77	Exosomes: from biology to immunotherapy in infectious diseases. 1-29	Ο
76	Milk Exosomes Facilitate Oral Delivery of Drugs against Intestinal Bacterial Infections.	1
75	Using natural killer cell-derived exosomes as a cell-free therapy for leukemia.	O
74	Inflammatory Cytokines Stimulate Exosomal MicroRNA and Protein Expressions in Osteoblast-like Saos2 Cells. 2022 , 21, 1-7	О
73	Dendritic Cell Membrane-Derived Nanovesicles for Targeted T Cell Activation. 2022 , 7, 46222-46233	O
72	A Photonic Resonator Interferometric Scattering Microscope for Label-free Detection of Nanometer-Scale Objects with Digital Precision in Point-of-Use Environments.	О
71	Cancer Stem Cells (CSCs): key player of radiotherapy resistance and its clinical significance. 1-28	O
70	A promising future for endometriosis diagnosis and therapy: extracellular vesicles - a systematic review. 2022 , 20,	0
69	Mesenchymal stem cells ameliorate cisplatin-induced acute kidney injury via let-7b-5p.	O
68	Exosomal LOC85009 inhibits docetaxel resistance in lung adenocarcinoma through regulating ATG5-induced autophagy. 2022 , 100915	1
67	Pulmonary EV miRNA profiles identify disease and distinct inflammatory endotypes in COPD. 9,	Ο
66	The emerging role of exosomes in innate immunity, diagnosis and therapy. 13,	1
65	Tryptophan-dependent and -independent secretions of tryptophanyl- tRNA synthetase mediate innate inflammatory responses. 2023 , 42, 111905	О
64	Engineered Cell Membrane Vesicles Expressing CD40 Alleviate System Lupus Nephritis by Intervening B Cell Activation. 2200925	О
63	Exosomes Mediated Fibrogenesis in Dilated Cardiomyopathy Through a MicroRNA Pathway. 2023 , 105963	Ο
62	Escherichia coli-Derived Outer Membrane Vesicles Relay Inflammatory Responses to Macrophage-Derived Exosomes.	О
61	Hybrid exosomes, exosome-like nanovesicles and engineered exosomes for therapeutic applications. 2023 , 353, 1127-1149	2

60	Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. 10,	0
59	S100A10 promotes HCC development and progression via transfer in extracellular vesicles and regulating their protein cargos. gutjnl-2022-327998	o
58	Vesicular traffic-mediated cell-to-cell signaling at the immune synapse in Ankylosing Spondylitis. 13,	0
57	Immunomodulatory and Anti-inflammatory effect of Neural Stem/Progenitor Cells in the Central Nervous System.	О
56	Recent advances in nanomaterials for the treatment of spinal cord injury. 2023, 18, 100524	O
55	MHC-dressing on dendritic cells: Boosting anti-tumor immunity via unconventional tumor antigen presentation. 2023 , 66, 101710	О
54	Macrophages Release Extracellular Vesicles of Different Properties and Composition Following Exposure to Nanoparticles. 2023 , 24, 260	O
53	Composition and Possibility of Application in Practical Medicine of Exosom/Extracellular Vesicles from Multipotent Stromal Cells. 2022 , 77, 336-344	О
52	Exosomes: Recent advances and challenges as targeted therapeutic delivery vesicles. 2022,	0
51	Investigation of the Protective Effect of Extracellular Vesicle miR-124 on Retinal Ganglion Cells Using a Photolabile Paper-Based Chip. 2023 , 64, 17	О
50	The Rise of Extracellular Vesicles as New Age Biomarkers in Cancer Diagnosis: Promises and Pitfalls. 2023 , 22, 153303382211492	0
49	Extracellular vesicles and co-isolated endogenous retroviruses differently affect dendritic cells.	О
48	Biomarkers of oxidative stress and reproductive complications. 2023,	O
47	MMP-9 as Prognostic Marker for Brain Tumours: A Comparative Study on Serum-Derived Small Extracellular Vesicles. 2023 , 15, 712	О
46	Extracellular Vesicles as Therapeutic Resources in the Clinical Environment. 2023, 24, 2344	0
45	Profiling extracellular vesicles in circulation enables the early detection of ovarian cancer.	О
44	Cancer Metastasis: Dynamic Hetero-cellular Communications Between Cancer Cells and Host Tissues. 2023 , 1-31	0
43	Blood-based liquid biopsy: insights into early detection, prediction, and treatment monitoring of bladder cancer. 2023 , 28,	О

42	Extracellular vesicles as next generation immunotherapeutics. 2023, 90, 73-100	O
41	Extracellular vesicles in vaccine development and therapeutic approaches for viral diseases. 2023 , 128, 167-180	O
40	A photonic resonator interferometric scattering microscope for label-free detection of nanometer-scale objects with digital precision in point-of-use environments. 2023 , 228, 115197	0
39	Dendritic cell-derived exosomes: A new horizon in personalized cancer immunotherapy?. 2023 , 562, 216168	O
38	Extracellular vesicles in the context of chagas disease - A systematic review. 2023 , 242, 106899	O
37	Alzheimer's disease-associated mutant ubiquitin (UBB+1) is secreted through an autophagosome-like vesicle-mediated unconventional pathway. 2023 , 194936	O
36	Roles of Optineurin and Extracellular Vesicles in Glaucomatous Retinal Cell Loss.	0
35	Lab-on-a-chip systems for cancer biomarker diagnosis. 2023 , 226, 115266	O
34	Extracellular vesicles derived from dental mesenchymal stem/stromal cells with gemcitabine as a cargo have an inhibitory effect on the growth of pancreatic carcinoma cell lines in vitro. 2023 , 67, 101894	0
33	Mesenchymal stem cells in the treatment of osteogenesis imperfecta. 2023 , 12,	O
32	Multiparametric Biosensors for Characterizing Extracellular Vesicle Subpopulations. 2023, 6, 387-398	0
31	Different-sized extracellular vesicles derived from stored red blood cells package diverse cargoes and cause distinct cellular effects. 2023 , 63, 586-600	O
30	Tumour-derived small extracellular vesicles contribute to the tumour progression through reshaping the systemic immune macroenvironment. 2023 , 128, 1249-1266	O
29	CAR-T-Derived Extracellular Vesicles: A Promising Development of CAR-T Anti-Tumor Therapy. 2023 , 15, 1052	O
28	Liquid Biopsy for Oral Cancer Diagnosis: Recent Advances and Challenges. 2023 , 13, 303	0
27	Exosome-Based Carrier for RNA Delivery: Progress and Challenges. 2023 , 15, 598	1
26	Enterovirus A71 Promotes Exosome Secretion by the Nonstructural Protein 3A Interacting with Rab27a. 2023 , 11,	0
25	Bone marrow mesenchymal stem cell-derived exosomal miR-30e-5p ameliorates high-glucose induced renal proximal tubular cell pyroptosis by inhibiting ELAVL1. 2023 , 45,	1

24	Wharton Jel KaynaklŒksozom Øolasyonu: Metot KarिaŒma ⊞lEnas⊞152-161	0
23	Tuning the Extracellular Vesicles Membrane through Fusion for Biomedical Applications. 2023 , 14, 117	O
22	SIV Infection Regulates Compartmentalization of Circulating Blood Plasma miRNAs within Extracellular Vesicles (EVs) and Extracellular Condensates (ECs) and Decreases EV-Associated miRNA-128. 2023 , 15, 622	O
21	miRNA Signature of Urine Extracellular Vesicles Shows the Involvement of Inflammatory and Apoptotic Processes in Diabetic Chronic Kidney Disease.	O
20	Extracellular vesicles derived from mesenchymal stem cells 🗈 novel therapeutic tool in infectious diseases. 2023 , 43,	0
19	T Cell Microvilli: Finger-Shaped External Structures Linked to the Fate of T Cells. 2023 , 23,	1
18	Extracellular vesicles and their cells of origin: Open issues in autoimmune diseases. 14,	O
17	RNA profiling of sEV (small extracellular vesicles)/exosomes reveals biomarkers and vascular endothelial dysplasia with moyamoya disease. 0271678X2311621	O
16	Osteoblast derived extracellular vesicles induced by dexamethasone: A novel biomimetic tool for enhancing osteogenesis in vitro. 11,	O
15	Actin-regulated Siglec-1 nanoclustering influences HIV-1 capture and virus-containing compartment formation in dendritic cells. 12,	0
14	Extracellular vesicles as novel drug delivery systems to target cancer and other diseases: Recent advancements and future perspectives. 12, 329	0
13	Identification of YWHAH as a Novel Brain-Derived Extracellular Vesicle Marker Post Long-Term Midazolam Exposure during Early Development. 2023 , 12, 966	0
12	Mesenchymal stem cell-derived extracellular vesicles subvert Th17 cells by destabilizing RORE through posttranslational modification. 2023 , 55, 665-679	0
11	Exosomes derived from synovial fibroblasts from patients with rheumatoid arthritis promote macrophage migration that can be suppressed by miR-124-3p. 2023 , 9, e14986	0
10	Analytical device miniaturization for the detection of circulating biomarkers.	O
9	Exosome-based nanoimmunotherapy targeting TAMs, a promising strategy for glioma. 2023 , 14,	0
8	PMMA????????????????microRNA??. 2023 , 72, 105-110	0
7	Exosomes as mediators of chemical-induced toxicity. 2023 , 97-112	O

CITATION REPORT

6	The tumorigenicity of breast cancer cells is reduced upon treatment with exosomes purified from heparin - treated cell cultures.	Ο
5	Analysis of tumor-draining vein secretome: A direct access to tumor-derived extracellular vesicles in surgical lung cancer patients. 2023 , 47, 951-957	O
4	Insights on HostParasite Immunomodulation Mediated by Extracellular Vesicles of Cutaneous Leishmania shawi and Leishmania guyanensis. 2023 , 12, 1101	O
3	Localization and function of multivesicular-bodies that release exosomes in islet cells: dysregulation during type-2 diabetes.	O
2	Sonication is a suitable method for loading nanobody into glioblastoma small extracellular vesicles. 2023 , 9, e15674	O
1	Regulation of phospholipid distribution in the lipid bilayer by flippases and scramblases.	0