

CITATION REPORT

List of articles citing

Secreted monocytic miR-150 enhances targeted endothelial cell migration

DOI: 10.1016/j.molcel.2010.06.010
Molecular Cell, 2010, 39, 133-44.

Source: <https://exaly.com/paper-pdf/49475542/citation-report.pdf>

Version: 2024-04-10

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
1008	Survival in transgenic ALS mice does not vary with CNS glutathione peroxidase activity. 2002 , 59, 729-34		24
1007	Intracellular delivery strategies for microRNAs and potential therapies for human cardiovascular diseases. 2010 , 3, pe40		11
1006	microRNAs: tiny RNA molecules, huge driving forces to move the cell. 2010 , 1, 916-26		23
1005	Microparticles in angiogenesis: therapeutic potential. 2011 , 109, 110-9		137
1004	MicroRNAs, an active and versatile group in cancers. 2011 , 3, 165-75		51
1003	Viral miRNAs exploiting the endosomal-exosomal pathway for intercellular cross-talk and immune evasion. 2011 , 1809, 715-21		92
1002	Circulating microRNAs: biomarkers or mediators of cardiovascular diseases?. 2011 , 31, 2383-90		294
1001	Human cardiac stem cell differentiation is regulated by a mircrine mechanism. 2011 , 123, 1287-96		174
1000	MicroRNAs: potential biomarker in organ transplantation. 2011 , 24, 210-5		33
999	Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells. 2011 , 2, 282		1246
998	Persistent upregulation of U6:SNORD44 small RNA ratio in the serum of breast cancer patients. 2011 , 13, R86		71
997	microRNA-150 regulates mobilization and migration of bone marrow-derived mononuclear cells by targeting Cxcr4. 2011 , 6, e23114		78
996	Molecular regulation of endothelial cell activation: novel mechanisms and emerging targets. 2011 , 16, 207-13		11
995	Polyphenols and Cardiovascular Disease: A Critical Summary of the Evidence. 2011 , 11, 1186-1190		1
994	MicroRNAs as potential therapeutic agents in the treatment of myocardial infarction. 2011 , 9, 733-40		5
993	Regulating the Regulators: microRNA and Asthma. 2011 , 4, 94-103		21
992	Exosome secretion: molecular mechanisms and roles in immune responses. 2011 , 12, 1659-68		713

991	Dynamic regulation of circulating microRNA during acute exhaustive exercise and sustained aerobic exercise training. 2011 , 589, 3983-94	304
990	Extracellular microRNA: a new source of biomarkers. 2011 , 717, 85-90	462
989	Circulating microRNAs: Association with disease and potential use as biomarkers. 2011 , 80, 193-208	372
988	MicroRNAs in cell biology, insulin resistance, diabetes and its complications. 2011 , 60, 1825-31	169
987	MicroRNAs as Blood-based Biomarkers of Cancer. 2011 , 499-532	3
986	Brain tumor microvesicles: insights into intercellular communication in the nervous system. 2011 , 31, 949-59	86
985	The elephant in the room: do microRNA-based therapies have a realistic chance of succeeding for brain tumors such as glioblastoma?. 2011 , 103, 429-36	28
984	Circulating microparticles: new insights into the biochemical basis of microparticle release and activity. 2011 , 106, 911-23	70
983	Exosomes: immune properties and potential clinical implementations. 2011 , 33, 419-40	374
982	microRNAs at the regulatory frontier: an investigation into how microRNAs impact the development and effector functions of CD4 T cells. 2011 , 49, 87-96	18
981	Role of miR-150-targeting c-Myb in colonic epithelial disruption during dextran sulphate sodium-induced murine experimental colitis and human ulcerative colitis. 2011 , 225, 544-53	92
980	Argonaute2 complexes carry a population of circulating microRNAs independent of vesicles in human plasma. 2011 , 108, 5003-8	2422
979	MicroRNAs regulating oxidative stress and inflammation in relation to obesity and atherosclerosis. 2011 , 25, 2515-27	184
978	MicroRNAs in skeletal myogenesis. 2011 , 10, 441-8	115
977	Epstein-Barr virus microRNAs and lung cancer. 2011 , 105, 320-6	21
976	MicroRNA expression profiling of human islets from individuals with and without type 2 diabetes: promises and pitfalls. 2012 , 40, 800-3	9
975	Extracellular small RNAs: what, where, why?. 2012 , 40, 886-90	63
974	Holding our breath: The emerging and anticipated roles of microRNA in pulmonary hypertension. 2012 , 2, 278-90	45

973	Extracellular membrane vesicles and immune regulation in the brain. 2012 , 3, 117	39
972	MicroRNA-mediated restriction of HIV-1 in resting CD4+ T cells and monocytes. 2012 , 4, 1390-409	35
971	MicroRNAs in Postischemic Vascular Repair. 2012 , 2012, 486702	28
970	Role of exosomes/microvesicles in the nervous system and use in emerging therapies. 2012 , 3, 228	207
969	A microRNA circuitry links macrophage polarization to metabolic homeostasis. 2012 , 125, 2815-7	8
968	Lipid-based carriers of microRNAs and intercellular communication. 2012 , 23, 91-7	238
967	Cell-free Circulating miRNA Biomarkers in Cancer. 2012 , 3, 432-48	116
966	Highlights from this issue. 2012 , 61, i-i	
965	Seminal plasma microRNAs: potential biomarkers for spermatogenesis status. 2012 , 18, 489-97	99
964	"Endothelial progenitor cells" as a therapeutic strategy in cardiovascular disease. 2012 , 10, 107-24	10
963	Circulating microRNAs: macro-utility as markers of prostate cancer?. 2012 , 19, R99-R113	34
962	Serum microRNA profiling and breast cancer risk: the use of miR-484/191 as endogenous controls. 2012 , 33, 828-34	170
961	MicroRNAs in Vascular Biology. 2012 , 2012, 794898	52
960	Microparticle-associated nucleic acids mediate trait dominance in cancer. 2012 , 26, 420-9	95
959	Exosomes and the emerging field of exosome-based gene therapy. 2012 , 12, 262-74	136
958	Exosomes secreted from human colorectal cancer cell lines contain mRNAs, microRNAs and natural antisense RNAs, that can transfer into the human hepatoma HepG2 and lung cancer A549 cell lines. 2012 , 28, 1551-8	180
957	Unraveling the Mystery of Cancer by Secretory microRNA: Horizontal microRNA Transfer between Living Cells. 2011 , 2, 97	39
956	Microvesicles/exosomes as potential novel biomarkers of metabolic diseases. 2012 , 5, 247-82	116

955	Strategies to deliver microRNAs as potential therapeutics in the treatment of cardiovascular pathology. 2012 , 19, 392-405	28
954	Profiling of circulating microRNAs: from single biomarkers to re-wired networks. 2012 , 93, 555-62	185
953	Cell-to-cell miRNA transfer: from body homeostasis to therapy. 2012 , 136, 169-74	130
952	The role of microRNAs in arterial remodelling. 2012 , 107, 611-8	84
951	Defining a new role of GW182 in maintaining miRNA stability. 2012 , 13, 1102-8	41
950	Internalization and induction of antioxidant messages by microvesicles contribute to the antiapoptotic effects on human endothelial cells. 2012 , 53, 2159-70	35
949	Circulating microRNAs: novel biomarkers and extracellular communicators in cardiovascular disease?. 2012 , 110, 483-95	773
948	Endogenous migration modulators as parent compounds for the development of novel cardiovascular and anti-inflammatory drugs. 2012 , 165, 2044-58	2
947	The expression profile of C19MC microRNAs in primary human trophoblast cells and exosomes. 2012 , 18, 417-24	225
946	Circulating miRNAs: reflecting or affecting cardiovascular disease?. 2012 , 14, 498-509	77
945	MicroRNAs as a novel cellular senescence regulator. 2012 , 11, 41-50	39
944	Do microRNAs regulate bone marrow stem cell niche physiology?. 2012 , 497, 1-9	14
943	Trypanosoma cruzi immune evasion mediated by host cell-derived microvesicles. 2012 , 188, 1942-52	109
942	Hepatic cell-to-cell transmission of small silencing RNA can extend the therapeutic reach of RNA interference (RNAi). 2012 , 61, 1330-9	133
941	Roles of microRNAs in atherosclerosis and restenosis. 2012 , 19, 79	52
940	MicroRNA-mediated breast cancer metastasis: from primary site to distant organs. 2012 , 31, 2499-511	78
939	Atheroprotective communication between endothelial cells and smooth muscle cells through miRNAs. 2012 , 14, 249-56	967
938	Cancer stem cells. 2012 , 44, 2144-51	349

937	Extracellular miRNAs: the mystery of their origin and function. 2012 , 37, 460-5	370
936	MicroRNAs in atherosclerosis. 2012 , 28, 631-40	37
935	Gliomas and seizures. 2012 , 79, 622-6	13
934	Emerging roles of exosomes in neuron-glia communication. 2012 , 3, 119	184
933	Analytical challenges and technical limitations in assessing circulating miRNAs. 2012 , 108, 592-8	98
932	MicroRNAs and hematopoietic cell development. 2012 , 99, 145-74	50
931	Selective extracellular vesicle-mediated export of an overlapping set of microRNAs from multiple cell types. 2012 , 13, 357	345
930	Comprehensive miRNA expression analysis in peripheral blood can diagnose liver disease. 2012 , 7, e48366	122
929	Intercellular communication: diverse structures for exchange of genetic information. 2012 , 13, 328-35	447
928	Tumor cell-derived exosomes: a message in a bottle. 2012 , 1826, 103-11	179
927	An unconventional role for miRNA: let-7 activates Toll-like receptor 7 and causes neurodegeneration. 2012 , 15, 827-35	508
926	Beyond nutrients: food-derived microRNAs provide cross-kingdom regulation. 2012 , 34, 280-4	55
925	Exogenous plant MIR168a specifically targets mammalian LDLRAP1: evidence of cross-kingdom regulation by microRNA. 2012 , 22, 107-26	695
924	A universal activator of microRNAs identified from photoreaction products. 2012 ,	21
923	Functional regulation of monocyte-derived dendritic cells by microRNAs. 2012 , 3, 497-507	15
922	microRNAs in the regulation of dendritic cell functions in inflammation and atherosclerosis. 2012 , 90, 877-85	23
921	MicroRNAs: Emerging Regulators of Immune-Mediated Diseases. 2012 , 75, 129-41	52
920	Analysis of microRNA-size, small RNAs in <i>Streptococcus mutans</i> by deep sequencing. 2012 , 326, 131-6	58

919	Secretory miRNAs as novel cancer biomarkers. 2012 , 1826, 32-43	36
918	MiR-139 inhibits invasion and metastasis of colorectal cancer by targeting the type I insulin-like growth factor receptor. 2012 , 84, 320-30	129
917	Secreted microRNAs: a new form of intercellular communication. 2012 , 22, 125-32	554
916	Hepatocyte-derived microRNAs as serum biomarkers of hepatic injury and rejection after liver transplantation. 2012 , 18, 290-7	148
915	Horizontal transfer of microRNAs: molecular mechanisms and clinical applications. 2012 , 3, 28-37	198
914	MicroRNAs mediate metabolic stresses and angiogenesis. 2012 , 69, 1049-65	19
913	[Pathobiology of the microRNA system]. 2012 , 33, 70-8	6
912	Apolipoprotein A-I mimetic peptide D-4F promotes human endothelial progenitor cell proliferation, migration, adhesion through eNOS/NO pathway. 2012 , 39, 4445-54	12
911	Immune modulatory function of abundant immune-related microRNAs in microvesicles from bovine colostrum. 2013 , 4, 197-210	99
910	Short-term memory of danger signals and environmental stimuli in immune cells. 2013 , 14, 777-84	59
909	Comparison of microRNA expression profiles in HCC-derived microvesicles and the parental cells and evaluation of their roles in HCC. 2013 , 33, 346-352	11
908	Detection and comparison of microRNA expression in the serum of Doberman Pinschers with dilated cardiomyopathy and healthy controls. 2013 , 9, 12	22
907	Serum microRNAs profile from genome-wide serves as a fingerprint for diagnosis of acute myocardial infarction and angina pectoris. 2013 , 6, 16	76
906	RNA and Cancer. 2013 ,	3
905	The mix of two worlds: non-coding RNAs and hormones. 2013 , 23, 2-8	39
904	MicroRNA modulation of lipid metabolism and oxidative stress in cardiometabolic diseases. 2013 , 64, 31-9	47
903	Oxidative stress in atherosclerosis: the role of microRNAs in arterial remodeling. 2013 , 64, 69-77	60
902	Intercellular transport of microRNAs. 2013 , 33, 186-92	278

901	MicroRNA-223 antagonizes angiogenesis by targeting β integrin and preventing growth factor signaling in endothelial cells. 2013 , 113, 1320-30	97
900	Extracellular communication via microRNA: lipid particles have a new message. 2013 , 54, 1174-81	120
899	MicroRNAs in Cancer. 2013 , 158, 119-37	24
898	Sumoylated hnRNPA2B1 controls the sorting of miRNAs into exosomes through binding to specific motifs. 2013 , 4, 2980	1109
897	Microvesicle-delivery miR-150 promotes tumorigenesis by up-regulating VEGF, and the neutralization of miR-150 attenuate tumor development. 2013 , 4, 932-41	92
896	Microvesicle-mediated transfer of microRNA-150 from monocytes to endothelial cells promotes angiogenesis. 2013 , 288, 23586-96	158
895	MicroRNA-containing microvesicles regulating inflammation in association with atherosclerotic disease. 2013 , 100, 7-18	246
894	Vascular miRNAs after balloon angioplasty. 2013 , 23, 9-14	26
893	Vesicle trafficking and RNA transfer add complexity and connectivity to cell-cell communication. 2013 , 73, 3200-5	35
892	Platelets activated during myocardial infarction release functional miRNA, which can be taken up by endothelial cells and regulate ICAM1 expression. 2013 , 121, 3908-17, S1-26	186
891	Synthetic nucleic acids delivered by exosomes: a potential therapeutic for genorelated metabolic brain diseases. 2013 , 28, 551-62	22
890	Analysis of serum exosomal microRNAs and clinicopathologic features of patients with pancreatic adenocarcinoma. 2013 , 11, 219	178
889	Therapeutic Application of MicroRNAs in Cancer. 2013 , 299-314	1
888	Exosomes for targeted siRNA delivery across biological barriers. 2013 , 65, 391-7	338
887	Reciprocal interactions between endothelial cells and macrophages in angiogenic vascular niches. 2013 , 319, 1626-34	71
886	Electroporation-induced siRNA precipitation obscures the efficiency of siRNA loading into extracellular vesicles. 2013 , 172, 229-238	333
885	miR-21-containing microvesicles from injured tubular epithelial cells promote tubular phenotype transition by targeting PTEN protein. 2013 , 183, 1183-1196	58
884	Circulating MicroRNAs as Cellular Messengers. 2013 , 589-605	

883	microRNA-mediated regulation of innate immune response in rheumatic diseases. 2013 , 15, 210	28
882	Macrophage microvesicles induce macrophage differentiation and miR-223 transfer. 2013 , 121, 984-95	355
881	miRNAs, polyphenols, and chronic disease. 2013 , 57, 58-70	48
880	Exceptional stories of microRNAs. 2013 , 238, 339-43	37
879	Distinct microRNA profiles are associated with the severity of hepatitis C virus recurrence and acute cellular rejection after liver transplantation. 2013 , 19, 383-94	25
878	Secretion of microvesicular miRNAs in cellular and organismal aging. 2013 , 48, 626-33	64
877	Construction of a plasmid for expression of rat platelet-derived growth factor C and its effects on proliferation, migration and adhesion of endothelial progenitor cells. 2013 , 69, 195-201	6
876	Molecular pathways: tumor-derived microvesicles and their interactions with immune cells in vivo. 2013 , 19, 2598-604	43
875	Transfer of extracellular vesicles during immune cell-cell interactions. 2013 , 251, 125-42	209
874	MicroRNAs and atherosclerosis. 2013 , 15, 322	102
873	Circulating miRNAs as new blood-based biomarkers for solid cancers. 2013 , 9, 387-402	86
872	RNA Interference Pathways and Therapeutic Exploitation. 2013 , 1-29	
871	The therapeutic potential of mesenchymal stem cell-derived extracellular vesicles. 2013 , 13, 1637-53	270
870	Regulation of miRNA biogenesis and turnover in the immune system. 2013 , 253, 304-16	61
869	MicroRNA transport: a new way in cell communication. 2013 , 228, 1713-9	88
868	Extracellular vesicles: biology and emerging therapeutic opportunities. 2013 , 12, 347-57	1894
867	Circulating microRNAs: what is their relevance?. 2013 , 59, 729-31	13
866	The role of miRNAs in mast cells and other innate immune cells. 2013 , 253, 12-24	47

865	Selective secretion of microRNA in CNS system. 2013 , 4, 243-7	9
864	Are extracellular microRNAs involved in type 2 diabetes and related pathologies?. 2013 , 46, 937-45	37
863	Exosomal tumor-suppressive microRNAs as novel cancer therapy: "exocure" is another choice for cancer treatment. 2013 , 65, 376-82	57
862	Characterization and proteomic analysis of ovarian cancer-derived exosomes. 2013 , 80, 171-82	202
861	Re-expression of microRNA-150 induces EBV-positive Burkitt lymphoma differentiation by modulating c-Myb in vitro. 2013 , 104, 826-34	38
860	Circulating microRNAs as novel biomarkers for diabetes mellitus. 2013 , 9, 513-21	405
859	Reduced microRNA-150 is associated with poor survival in pulmonary arterial hypertension. 2013 , 187, 294-302	126
858	miR-150 regulates high glucose-induced cardiomyocyte hypertrophy by targeting the transcriptional co-activator p300. 2013 , 319, 173-84	49
857	Fludarabine treatment favors the retention of miR-485-3p by prostate cancer cells: implications for survival. 2013 , 12, 52	28
856	Ineffective delivery of diet-derived microRNAs to recipient animal organisms. 2013 , 10, 1107-16	161
855	MicroRNAs in liver disease. 2013 , 10, 542-52	425
854	MicroRNA: function, detection, and bioanalysis. 2013 , 113, 6207-33	780
853	Small molecular inhibitors of miR-1 identified from photocycloadducts of acetylenes with 2-methoxy-1,4-naphthalenequinone. 2013 , 21, 6124-31	13
852	MicroRNAs as pharmacological targets in endothelial cell function and dysfunction. 2013 , 75, 15-27	73
851	Blood microRNAs in low or no risk ischemic stroke patients. 2013 , 14, 2072-84	53
850	Role of bacterial infections in pancreatic cancer. 2013 , 34, 2193-7	99
849	Moving RNA moves RNA forward. 2013 , 56, 914-20	4
848	Leukemia cell to endothelial cell communication via exosomal miRNAs. 2013 , 32, 2747-55	342

847	Extracellular microRNAs are dynamic non-vesicular biomarkers of muscle turnover. 2013 , 41, 9500-13	68
846	Alteration in abundance and compartmentalization of inflammation-related miRNAs in plasma after intracerebral hemorrhage. 2013 , 44, 1739-42	48
845	Human placental trophoblasts confer viral resistance to recipient cells. 2013 , 110, 12048-53	311
844	MicroRNAs in skeletal muscle and their regulation with exercise, ageing, and disease. 2013 , 4, 266	72
843	SOT Symposium Highlight: Translatable Indicators of Testicular Toxicity: Inhibin B, MicroRNAs, and Sperm Signatures. 2013 , 136, 265-73	14
842	The origin, function, and diagnostic potential of RNA within extracellular vesicles present in human biological fluids. 2013 , 4, 142	97
841	Dynamic nature of noncoding RNA regulation of adaptive immune response. 2013 , 14, 17347-77	31
840	Signal transduction in the development of pulmonary arterial hypertension. 2013 , 3, 278-93	61
839	The first Keystone Symposia Conference on pulmonary vascular disease and right ventricular dysfunction: Current concepts and future therapies. 2013 , 3, 275-7	2
838	Neurotransmitter-triggered transfer of exosomes mediates oligodendrocyte-neuron communication. 2013 , 11, e1001604	503
837	A Systems Biology Approach to Characterize Biomarkers for Blood Stasis Syndrome of Unstable Angina Patients by Integrating MicroRNA and Messenger RNA Expression Profiling. 2013 , 2013, 510208	12
836	Autophagy as a broad antiviral at the placental interface. 2013 , 9, 1905-7	6
835	Endothelial microRNA tells smooth muscle cells to proliferate. 2013 , 113, 7-8	1
834	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
833	Circulating MicroRNAs as Biomarkers of Prostate Cancer: The State of Play. 2013 , 2013, 539680	43
832	MicroRNA-150: a novel marker of left ventricular remodeling after acute myocardial infarction. 2013 , 6, 290-8	112
831	Circulating microRNAs as mirrors of acute coronary syndromes: MiRacle or quagMire?. 2013 , 17, 1363-70	19
830	Characterization of levels and cellular transfer of circulating lipoprotein-bound microRNAs. 2013 , 33, 1392-400	244

829	Regulated capture by exosomes of mRNAs for cytoplasmic tRNA synthetases. 2013 , 288, 29223-8	11
828	Pathogenic arterial remodeling: the good and bad of microRNAs. 2013 , 304, H1050-9	91
827	Circulating microRNAs in hematological diseases: principles, challenges, and perspectives. 2013 , 121, 4977-84	110
826	Release of MicroRNA-Containing Vesicles Can Stimulate Angiogenesis and Metastasis in Renal Carcinoma. 2013 , 607-622	
825	Neuro-oncologic applications of exosomes, microvesicles, and other nano-sized extracellular particles. 2013 , 72, 501-10	31
824	Extracellular vesicles as mediators of neuron-glia communication. 2013 , 7, 182	245
823	Cardiovascular extracellular microRNAs: emerging diagnostic markers and mechanisms of cell-to-cell RNA communication. 2013 , 4, 214	43
822	Trash or Treasure: extracellular microRNAs and cell-to-cell communication. 2013 , 4, 173	123
821	Circulating miRNAs: cell-cell communication function?. 2013 , 4, 119	259
820	Regulation of Animal Gene Expression by Ingested Plant Small RNAs. 2013 , 1-15	
819	Hypoxia alters MicroRNA expression in rat cortical pericytes. 2013 , 2, 32-44	32
818	microRNAs and the mammary gland: A new understanding of gene expression. 2013 , 36, 465-74	28
817	MicroRNA in the Diseased Pulmonary Vasculature: Implications for the Basic Scientist and Clinician. 2013 , 19, 1-16	2
816	Circulating microRNA-150 serum levels predict survival in patients with critical illness and sepsis. 2013 , 8, e54612	124
815	Intracellular modulation, extracellular disposal and serum increase of MiR-150 mark lymphocyte activation. 2013 , 8, e75348	58
814	The complexity, function and applications of RNA in circulation. 2013 , 4, 115	38
813	Extracellular circulating viral microRNAs: current knowledge and perspectives. 2013 , 4, 120	32
812	Microvesicles and intercellular communication in the context of parasitism. 2013 , 3, 49	73

811	MicroRNAs as cancer biomarkers. 2013 , 2, 102-17	11
810	Argonaute 2 in cell-secreted microvesicles guides the function of secreted miRNAs in recipient cells. 2014 , 9, e103599	28
809	Functional study of one nucleotide mutation in pri-miR-125a coding region which related to recurrent pregnancy loss. 2014 , 9, e114781	16
808	MicroRNAs transported by exosomes in body fluids as mediators of intercellular communication in cancer. 2014 , 7, 1327-38	102
807	miRNA in plasma exosome is stable under different storage conditions. 2014 , 19, 1568-75	278
806	miR-629-3p Level Significantly Predicts Prognosis in Glioblastoma Patients Treated with Temozolomide Chemotherapy. 2014 , 9, 9-14	0
805	Microvesicles and diabetic complications--novel mediators, potential biomarkers and therapeutic targets. 2014 , 35, 433-43	54
804	Circulating MicroRNAs as Biomarkers in Coronary Heart Disease and Heart Failure. 2014 , 1,	1
803	Trans-kingdom cross-talk: small RNAs on the move. 2014 , 10, e1004602	114
802	MicroRNAs involved in the lipid metabolism and their possible implications for atherosclerosis development and treatment. 2014 , 2014, 275867	34
801	Noncoding RNAs regulate NF- κ B signaling to modulate blood vessel inflammation. 2014 , 5, 422	54
800	Evaluation of microRNAs miR-196a, miR-30a-5P, and miR-490 as biomarkers of disease activity among patients with FSGS. 2014 , 9, 1545-52	62
799	The impact of extracellular vesicle-encapsulated circulating microRNAs in lung cancer research. 2014 , 2014, 486413	41
798	MicroRNA-384 regulates both amyloid precursor protein and β -secretase expression and is a potential biomarker for Alzheimer's disease. 2014 , 34, 160-6	68
797	MicroRNAs in atherosclerosis. 2014 , 51, 338-49	47
796	Reduced levels of microRNAs miR-124a and miR-150 are associated with increased proinflammatory mediator expression in Kr μ pel-like factor 2 (KLF2)-deficient macrophages. 2014 , 289, 31638-46	43
795	Development of gene therapy for treatment of age-related macular degeneration. 2014 , 92 Thesis3, 1-38	18
794	The potential of miRNAs as biomarkers for multiple myeloma. 2014 , 14, 947-59	19

793	Overexpression of miR-483-5p/3p cooperate to inhibit mouse liver fibrosis by suppressing the TGF- β -stimulated HSCs in transgenic mice. 2014 , 18, 966-74	39
792	Programmed cell death 4 and microRNA 21 inverse expression is maintained in cells and exosomes from ovarian serous carcinoma effusions. 2014 , 122, 685-93	74
791	Maternal and neonatal plasma microRNA biomarkers for fetal alcohol exposure in an ovine model. 2014 , 38, 1390-400	42
790	Cell-free microRNAs as cancer biomarkers: the odyssey of miRNAs through body fluids. 2014 , 31, 295	34
789	Circulating microRNAs in cardiovascular diseases: from biomarkers to therapeutic targets. 2014 , 8, 404-18	26
788	Emerging role of microRNAs in cardiovascular diseases. 2014 , 78, 567-75	94
787	MicroRNAs in Alcohol Abuse and Toxicity. 2014 , 497-521	1
786	Circulating miRNAs in cancer: from detection to therapy. 2014 , 7, 86	89
785	MicroRNA expression in circulating microvesicles predicts cardiovascular events in patients with coronary artery disease. 2014 , 3, e001249	205
784	Extracellular Vesicles in Heart Disease: Excitement for the Future ?. 2014 , 2,	28
783	New considerations in the preparation of nucleic acid-loaded extracellular vesicles. 2014 , 5, 105-7	18
782	MicroRNAs and ethanol toxicity. 2014 , 115, 245-84	23
781	[Circulating miRNAs as a new class of biomedical markers]. 2014 , 30, 289-96	4
780	Extracellular vesicles as therapeutic tools in cardiovascular diseases. 2014 , 5, 370	86
779	"Small Talk" in the Innate Immune System via RNA-Containing Extracellular Vesicles. 2014 , 5, 542	41
778	Effects of mesenchymal stromal cell-derived extracellular vesicles on tumor growth. 2014 , 5, 382	44
777	MicroRNA expression profile in exosome discriminates extremely severe infections from mild infections for hand, foot and mouth disease. 2014 , 14, 506	27
776	Exosomes from IL-1 β -stimulated synovial fibroblasts induce osteoarthritic changes in articular chondrocytes. 2014 , 16, R163	150

775	Propofol exerts anti-hepatocellular carcinoma by microvesicle-mediated transfer of miR-142-3p from macrophage to cancer cells. 2014 , 12, 279	58
774	Characterization of serum microRNAs profile of PCOS and identification of novel non-invasive biomarkers. 2014 , 33, 1304-15	84
773	MiR-150 enhances the motility of EPCs in vitro and promotes EPCs homing and thrombus resolving in vivo. 2014 , 133, 590-8	42
772	Exosomes: mediators of neurodegeneration, neuroprotection and therapeutics. 2014 , 49, 590-600	215
771	MicroRNAs delivered by extracellular vesicles: an emerging resistance mechanism for breast cancer. 2014 , 35, 2883-92	43
770	Human RNAi pathway: crosstalk with organelles and cells. 2014 , 14, 31-46	13
769	Exosomes and cardiac repair after myocardial infarction. 2014 , 114, 333-44	323
768	Outsmart tumor exosomes to steal the cancer initiating cell its niche. 2014 , 28, 39-50	48
767	Circulating small noncoding RNAs as biomarkers of aging. 2014 , 17, 86-98	59
766	Small molecule with big role: MicroRNAs in cancer metastatic microenvironments. 2014 , 344, 147-56	34
765	A paradigm shift for extracellular vesicles as small RNA carriers: from cellular waste elimination to therapeutic applications. 2014 , 4, 31-7	31
764	Risk miRNA screening of ovarian cancer based on miRNA functional synergistic network. 2014 , 7, 9	12
763	Microvesicle-mediated delivery of transforming growth factor β siRNA for the suppression of tumor growth in mice. 2014 , 35, 4390-400	85
762	Platelet-secreted microRNA-223 promotes endothelial cell apoptosis induced by advanced glycation end products via targeting the insulin-like growth factor 1 receptor. 2014 , 192, 437-46	166
761	Sorting it out: regulation of exosome loading. 2014 , 28, 3-13	456
760	Cardiomyocytes mediate anti-angiogenesis in type 2 diabetic rats through the exosomal transfer of miR-320 into endothelial cells. 2014 , 74, 139-50	275
759	Extracellular vesicles: new players in cardiovascular diseases. 2014 , 50, 24-8	55
758	Traffic into silence: endomembranes and post-transcriptional RNA silencing. 2014 , 33, 968-80	53

757	Novel approaches to lupus drug discovery using stem cell therapy. Role of mesenchymal-stem-cell-secreted factors. 2014 , 9, 555-66	13
756	microRNA therapeutics in cardiovascular disease models. 2014 , 54, 185-203	82
755	The network of P-glycoprotein and microRNAs interactions. 2014 , 135, 253-63	41
754	The roles of extracellular vesicles in cancer biology: toward the development of novel cancer biomarkers. 2014 , 14, 412-25	108
753	Extracellular membrane vesicles as a mechanism of cell-to-cell communication: advantages and disadvantages. 2014 , 306, C621-33	297
752	Physiological and pathological relevance of secretory microRNAs and a perspective on their clinical application. 2014 , 395, 365-73	11
751	Crosstalk between TGF- β /Smad3 and BMP/BMPR2 signaling pathways via miR-17-92 cluster in carotid artery restenosis. 2014 , 389, 169-76	39
750	Unlocking the door to new therapies in cardiovascular disease: microRNAs hold the key. 2014 , 16, 539	8
749	Microvesicle-shuttled miR-130b reduces fat deposition in recipient primary cultured porcine adipocytes by inhibiting PPAR-g expression. 2014 , 229, 631-9	68
748	Cancer exosomes perform cell-independent microRNA biogenesis and promote tumorigenesis. 2014 , 26, 707-21	1032
747	Circulating miRNAs in ageing and ageing-related diseases. 2014 , 41, 465-72	75
746	Rapid upregulation and clearance of distinct circulating microRNAs after prolonged aerobic exercise. 2014 , 116, 522-31	128
745	Insulin-like growth factor-1 prevents miR-122 production in neighbouring cells to curtail its intercellular transfer to ensure proliferation of human hepatoma cells. 2014 , 42, 7170-85	66
744	Non-coding RNA: a new frontier in regulatory biology. 2014 , 1, 190-204	114
743	Differentially expressed microRNA in multiple sclerosis: A window into pathogenesis?. 2014 , 5, 149-161	2
742	Concise review: new frontiers in microRNA-based tissue regeneration. 2014 , 3, 969-76	19
741	Extracellular vesicles as a platform for 'liquid biopsy' in glioblastoma patients. 2014 , 14, 819-25	90
740	Secreted fibroblast-derived miR-34a induces tubular cell apoptosis in fibrotic kidney. 2014 , 127, 4494-506	38

739	Regulation of microcystin-LR-induced toxicity in mouse spermatogonia by miR-96. 2014 , 48, 6383-90	37
738	MicroRNA directly enhances mitochondrial translation during muscle differentiation. 2014 , 158, 607-19	302
737	MicroRNA control of high-density lipoprotein metabolism and function. 2014 , 114, 183-92	56
736	Exosomal miR-221/222 enhances tamoxifen resistance in recipient ER-positive breast cancer cells. 2014 , 147, 423-31	228
735	An Argonaute 2 switch regulates circulating miR-210 to coordinate hypoxic adaptation across cells. 2014 , 1843, 2528-42	39
734	Diet-Derived MicroRNAs: Separating the Dream from Reality. 2014 , 1,	5
733	Extracellular vesicles as drug delivery systems: lessons from the liposome field. 2014 , 195, 72-85	287
732	Role of microRNAs in the modulation of diabetic retinopathy. 2014 , 43, 92-107	98
731	Multifaceted effects of oligodendroglial exosomes on neurons: impact on neuronal firing rate, signal transduction and gene regulation. 2014 , 369,	167
730	Combined detection of serum exosomal miR-21 and HOTAIR as diagnostic and prognostic biomarkers for laryngeal squamous cell carcinoma. 2014 , 31, 148	163
729	Recent Advances in Understanding of NASH: MicroRNAs as Both Biochemical Markers and Players. 2014 , 2, 109-115	20
728	MicroRNA-135a and -200b, potential Biomarkers for Alzheimer's disease, regulate β -secretase and amyloid precursor protein. 2014 , 1583, 55-64	68
727	Exosome platform for diagnosis and monitoring of traumatic brain injury. 2014 , 369,	55
726	The origin, function, and diagnostic potential of extracellular microRNAs in human body fluids. 2014 , 5, 285-300	51
725	New paradigms in inflammatory signaling in vascular endothelial cells. 2014 , 306, H317-25	104
724	A comprehensive overview of exosomes as drug delivery vehicles - endogenous nanocarriers for targeted cancer therapy. 2014 , 1846, 75-87	342
723	HDL-transferred microRNA-223 regulates ICAM-1 expression in endothelial cells. 2014 , 5, 3292	261
722	Next-generation sequencing of microRNAs uncovers expression signatures in polarized macrophages. 2014 , 46, 91-103	71

7 ²¹	Cell-free nucleic acids as non-invasive biomarkers of gynecological cancers, ovarian, endometrial and obstetric disorders and fetal aneuploidy. 2014 , 20, 905-23	43
7 ²⁰	Exosomes as mediators of neuroinflammation. 2014 , 11, 68	194
7 ¹⁹	Exosome uptake through clathrin-mediated endocytosis and macropinocytosis and mediating miR-21 delivery. 2014 , 289, 22258-67	371
7 ¹⁸	Cancer Bioinformatics. 2014 ,	4
7 ¹⁷	Tumor-secreted miR-214 induces regulatory T cells: a major link between immune evasion and tumor growth. 2014 , 24, 1164-80	182
7 ¹⁶	Relation of reduced expression of MiR-150 in platelets to atrial fibrillation in patients with chronic systolic heart failure. 2014 , 113, 976-81	76
7 ¹⁵	MicroRNAs in the skeleton: cell-restricted or potent intercellular communicators?. 2014 , 561, 46-55	25
7 ¹⁴	Cancer-secreted miR-105 destroys vascular endothelial barriers to promote metastasis. 2014 , 25, 501-15	897
7 ¹³	Exosomes derived from human macrophages suppress endothelial cell migration by controlling integrin trafficking. 2014 , 44, 1156-69	69
7 ¹²	Circulating MicroRNAs and the occurrence of acute myocardial infarction in Chinese populations. 2014 , 7, 189-98	42
7 ¹¹	MicroRNAs function as cis- and trans-acting modulators of peripheral circadian clocks. 2014 , 588, 3015-22	14
7 ¹⁰	Intercellular communication by extracellular vesicles and their microRNAs in asthma. 2014 , 36, 873-81	63
7 ⁰⁹	Extracellular RNA mediates and marks cancer progression. 2014 , 28, 14-23	52
7 ⁰⁸	Exosome-derived miRNAs and cellular miRNAs activate innate immunity. 2014 , 6, 105-10	23
7 ⁰⁷	Circulating microRNA as a biomarker of human growth hormone administration to patients. 2014 , 6, 234-8	19
7 ⁰⁶	Innovative Tools for Early Detection of Cancer. 2014 , 71-108	
7 ⁰⁵	Movement of regulatory RNA between animal cells. 2015 , 53, 395-416	35
7 ⁰⁴	Pancreatic cancer-secreted miR-155 implicates in the conversion from normal fibroblasts to cancer-associated fibroblasts. 2015 , 106, 1362-9	112

703	Endothelial microparticles reduce ICAM-1 expression in a microRNA-222-dependent mechanism. 2015 , 19, 2202-14	86
702	Up-regulation of Serum MiR-130b-3p Level is Associated with Renal Damage in Early Lupus Nephritis. 2015 , 5, 12644	40
701	Exosomes released by chronic lymphocytic leukemia cells induce the transition of stromal cells into cancer-associated fibroblasts. 2015 , 126, 1106-17	310
700	Biological properties of extracellular vesicles and their physiological functions. 2015 , 4, 27066	2611
699	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. 2015 , 4, 30087	722
698	Targeted exosome-mediated delivery of opioid receptor Mu siRNA for the treatment of morphine relapse. 2015 , 5, 17543	167
697	MicroRNAs: Target Prediction and Involvement in Gene Regulatory Networks. 291-309	
696	Exosomes: emerging roles in communication between blood cells and vascular tissues during atherosclerosis. 2015 , 26, 412-9	65
695	TNF- β -induced microRNAs control dystrophin expression in Becker muscular dystrophy. 2015 , 12, 1678-90	50
694	The pleiotropic effects of miRNAs on tumor angiogenesis. 2015 , 116, 1807-15	6
693	Inflamed macrophage microvesicles induce insulin resistance in human adipocytes. 2015 , 12, 21	50
692	MicroRNA signature and cardiovascular dysfunction. 2015 , 65, 419-29	23
691	Circulating RNAs as new biomarkers for detecting pancreatic cancer. 2015 , 21, 8527-40	105
690	Extracellular microRNAs as biomarkers in human disease. 2015 , 51, 51-7	57
689	Implications of microRNAs in the vascular homeostasis and remodeling. 2015 ,	1
688	MicroRNAs in breastmilk and the lactating breast: potential immunoprotectors and developmental regulators for the infant and the mother. 2015 , 12, 13981-4020	112
687	miRNA therapeutics in cardiovascular diseases: promises and problems. 2015 , 6, 232	71
686	Muscle releases α -sarcoglycan-positive extracellular vesicles carrying miRNAs in the bloodstream. 2015 , 10, e0125094	93

685	miR-150 Deficiency Protects against FAS-Induced Acute Liver Injury in Mice through Regulation of AKT. 2015 , 10, e0132734	13
684	Computational Characterization of Exogenous MicroRNAs that Can Be Transferred into Human Circulation. 2015 , 10, e0140587	47
683	Integrated expression profiles of mRNA and microRNA in the liver of Fructus Meliae Toosendan water extract injured mice. 2015 , 6, 236	14
682	MicroRNAs: Novel Players in the Dialogue between Pancreatic Islets and Immune System in Autoimmune Diabetes. 2015 , 2015, 749734	42
681	A New Paradigm in Cardiac Regeneration: The Mesenchymal Stem Cell Secretome. 2015 , 2015, 765846	90
680	Role of Extracellular Vesicles in Hematological Malignancies. 2015 , 2015, 821613	22
679	Utility of circulating microRNAs as clinical biomarkers for cardiovascular diseases. 2015 , 2015, 821823	61
678	Role and Function of MicroRNAs in Extracellular Vesicles in Cardiovascular Biology. 2015 , 2015, 161393	43
677	Comparison of Total RNA Isolation Methods for Analysis of Immune-Related microRNAs in Market Milks. 2015 , 35, 459-65	15
676	microRNAs with different functions and roles in disease development and as potential biomarkers of diabetes: progress and challenges. 2015 , 11, 1217-34	27
675	miRNA control of tissue repair and regeneration. 2015 , 185, 2629-40	44
674	Intercellular miRNA Traffic. 2015 , 116, 1726-8	4
673	5' tRNA Halves: The Next Generation of Immune Signaling Molecules. 2015 , 6, 74	51
672	Extracellular microRNAs in Membrane Vesicles and Non-vesicular Carriers. 2015 , 106, 31-53	6
671	Circulating microRNAs in Disease Diagnostics and their Potential Biological Relevance. 2015 ,	7
670	Tumor-Derived Exosomes in Metastasis Signaling and Implications. 2015 , 189-200	
669	Commitment of Annexin A2 in recruitment of microRNAs into extracellular vesicles. 2015 , 589, 4071-8	55
668	Intravenous injection of microvesicle-delivery miR-130b alleviates high-fat diet-induced obesity in C57BL/6 mice through translational repression of PPAR- α 2015 , 22, 86	21

667	Plasma levels of microRNA in chronic kidney disease: patterns in acute and chronic exercise. 2015 , 309, H2008-16	34
666	Acellular approaches for regenerative medicine: on the verge of clinical trials with extracellular membrane vesicles?. 2015 , 6, 227	43
665	The biology of circulating microRNAs in cardiovascular disease. 2015 , 45, 860-74	53
664	Molecular signatures of mesenchymal stem cell-derived extracellular vesicle-mediated tissue repair. 2015 , 6, 212	67
663	Systemic delivery of synthetic microRNA-451 is an effective therapeutic strategy for the treatment of lung cancer. 2015 , 35, 1369-73	2
662	Circulating miR-103 and miR-720 as novel serum biomarkers for patients with colorectal cancer. 2015 , 47, 1097-102	31
661	Exosome and its roles in cardiovascular diseases. 2015 , 20, 337-48	31
660	Developing an effective therapeutic by delivery of synthetic microRNA-520e in lung cancer treatment. 2015 , 69, 249-54	8
659	Delivery and Biological Activity of Therapeutic miRNAs and miRNA Modifiers. 2015 , 1017-1048	
658	Interactions between cancer cells and normal cells via miRNAs in extracellular vesicles. 2015 , 72, 1849-61	35
657	MicroRNA-150 protects the heart from injury by inhibiting monocyte accumulation in a mouse model of acute myocardial infarction. 2015 , 8, 11-20	47
656	Immunomodulatory role of microRNAs transferred by extracellular vesicles. 2015 , 107, 61-77	86
655	Differential fates of biomolecules delivered to target cells via extracellular vesicles. 2015 , 112, E1433-42	296
654	Circulating microRNA predicts insensitivity to glucocorticoid therapy in Graves' ophthalmopathy. 2015 , 49, 445-56	21
653	Effective detection and quantification of dietetically absorbed plant microRNAs in human plasma. 2015 , 26, 505-12	101
652	MicroRNAs in fatty liver disease. 2015 , 35, 12-25	28
651	Tissue engineering and microRNAs: future perspectives in regenerative medicine. 2015 , 15, 1601-22	19
650	Circulating miRNAs as intercellular messengers, potential biomarkers and therapeutic targets for Type 2 diabetes. 2015 , 7, 653-67	24

649	Unlocking the Many Secrets of Noncoding RNA. 2015 , 65, 2538-41	3
648	MicroRNA-193a-3p Reduces Intestinal Inflammation in Response to Microbiota via Down-regulation of Colonic PepT1. 2015 , 290, 16099-115	55
647	Nonfunctional ingestion of plant miRNAs in silkworm revealed by digital droplet PCR and transcriptome analysis. 2015 , 5, 12290	17
646	Extracellular vesicles as new pharmacological targets to treat atherosclerosis. 2015 , 763, 90-103	47
645	Effect of Musca domestic maggot polypeptide extract on HUVEC dysfunction induced by early-activated macrophages. 2016 , 54, 572-5	4
644	Circulating inflammatory miRNA signature in response to different doses of aerobic exercise. 2015 , 119, 124-34	93
643	Hierarchical paracrine interaction of breast cancer associated fibroblasts with cancer cells via hMAPK-microRNAs to drive ER-negative breast cancer phenotype. 2015 , 16, 1671-81	40
642	MiR-135b-5p and MiR-499a-3p Promote Cell Proliferation and Migration in Atherosclerosis by Directly Targeting MEF2C. 2015 , 5, 12276	62
641	MicroRNA-155 Promotes Atherosclerosis Inflammation via Targeting SOCS1. 2015 , 36, 1371-81	75
640	The evolving roles of pericyte in early brain injury after subarachnoid hemorrhage. 2015 , 1623, 110-22	21
639	Overview of microRNA biology. 2015 , 35, 3-11	584
638	Microparticles in cancer: A review of recent developments and the potential for clinical application. 2015 , 40, 35-40	50
637	MicroRNA-495 mimics delivery inhibits lung tumor progression. 2015 , 36, 729-35	14
636	MicroRNA-223 delivered by platelet-derived microvesicles promotes lung cancer cell invasion via targeting tumor suppressor EPB41L3. 2015 , 14, 58	115
635	Transfer of microRNAs by extracellular membrane microvesicles: a nascent crosstalk model in tumor pathogenesis, especially tumor cell-microenvironment interactions. 2015 , 8, 14	28
634	A functional extracellular transcriptome in animals? Implications for biology, disease and medicine. 2015 , 16, 47	7
633	Extracellular vesicles and atherosclerotic disease. 2015 , 72, 2697-708	54
632	Extracellular vesicle microRNA transfer in cardiovascular disease. 2015 , 24, 199-206	126

631	Small non-coding RNAs transfer through mammalian placenta and directly regulate fetal gene expression. 2015 , 6, 391-396	61
630	Modulation of cellular function through immune-activated exosomes. 2015 , 34, 459-63	20
629	Cell-derived vesicles for drug therapy and diagnostics: opportunities and challenges. 2015 , 10, 397-409	101
628	Macrophage immunomodulation by breast cancer-derived exosomes requires Toll-like receptor 2-mediated activation of NF- κ B. 2014 , 4, 5750	213
627	Direct serum assay for cell-free bmi-1 mRNA and its potential diagnostic and prognostic value for colorectal cancer. 2015 , 21, 1225-33	24
626	Size and shape characterization of hydrated and desiccated exosomes. 2015 , 407, 3285-301	105
625	Extracellular vesicle-mediated export of fungal RNA. 2015 , 5, 7763	134
624	Protein tyrosine phosphatase 1B impairs diabetic wound healing through vascular endothelial growth factor receptor 2 dephosphorylation. 2015 , 35, 163-74	25
623	Role of extracellular RNA-carrying vesicles in cell differentiation and reprogramming. 2015 , 6, 153	131
622	Effect of Exosomes from Mesenchymal Stem Cells on Angiogenesis. 2015 , 177-205	
621	Circulating miRNA biomarkers for schizophrenia?. 2015 , 172, 1059-61	6
620	Towards the realization of clinical extracellular vesicle diagnostics: challenges and opportunities. 2015 , 15, 1555-66	11
619	Dietética china y nutrigenética, posibles puntos de convergencia. 2015 , 9, 101-105	
618	The prevalence rate of Porphyromonas gingivalis and its association with cancer: A systematic review and meta-analysis. 2015 , 28, 160-7	17
617	The microRNA-1246 promotes metastasis in non-small cell lung cancer by targeting cytoplasmic polyadenylation element-binding protein 4. 2015 , 10, 127	21
616	p75(NTR)-dependent activation of NF- κ B regulates microRNA-503 transcription and pericyte-endothelial crosstalk in diabetes after limb ischaemia. 2015 , 6, 8024	89
615	The exosomes in tumor immunity. 2015 , 4, e1027472	135
614	Effects of exercise training together with tamoxifen in reducing mammary tumor burden in mice: Possible underlying pathway of miR-21. 2015 , 765, 179-87	45

613	Specific miRNA and its target in neutrophils after traumatic injury. 2015 , 47, 749-54	3
612	miRNA therapy targeting cancer stem cells: a new paradigm for cancer treatment and prevention of tumor recurrence. 2015 , 6, 323-37	43
611	Endothelial microRNA-150 is an intrinsic suppressor of pathologic ocular neovascularization. 2015 , 112, 12163-8	64
610	Role of microRNA-150 and glycoprotein nonmetastatic melanoma protein B in angiogenesis during hyperoxia-induced neonatal lung injury. 2015 , 52, 253-61	29
609	Circulating microRNAs as Hormones: Intercellular and Inter-organ Conveyors of Epigenetic Information?. 2015 , 106, 255-267	3
608	Circulating microRNAs as Biomarkers in Cardiovascular Diseases. 2015 , 106, 139-149	26
607	Secreted miR-34a in astrocytic shedding vesicles enhanced the vulnerability of dopaminergic neurons to neurotoxins by targeting Bcl-2. 2015 , 6, 529-540	40
606	Concise review: Exploring miRNAs--toward a better understanding of hematopoiesis. 2015 , 33, 1-7	22
605	Regulation of cancer metastasis by cell-free miRNAs. 2015 , 1855, 24-42	58
604	Microvesicles: ubiquitous contributors to infection and immunity. 2015 , 97, 237-45	45
603	Epigenetic modification of MiR-429 promotes liver tumour-initiating cell properties by targeting Rb binding protein 4. 2015 , 64, 156-67	96
602	Extracellular vesicles and their synthetic analogues in aging and age-associated brain diseases. 2015 , 16, 147-85	41
601	Endothelial barrier dysfunction in septic shock. 2015 , 277, 277-293	188
600	PBMCs express a transcriptome signature predictor of oxygen uptake responsiveness to endurance exercise training in men. 2015 , 47, 13-23	26
599	Therapeutic applications of extracellular vesicles: clinical promise and open questions. 2015 , 55, 439-464	338
598	Circulating miR-18a in plasma contributes to cancer detection and monitoring in patients with gastric cancer. 2015 , 18, 271-9	70
597	Honeysuckle-encoded atypical microRNA2911 directly targets influenza A viruses. 2015 , 25, 39-49	237
596	Plasma microRNA-186 and proteinuria in focal segmental glomerulosclerosis. 2015 , 65, 223-32	30

595	MicroRNAs differentially present in the plasma of HIV elite controllers reduce HIV infection in vitro. 2014 , 4, 5915	58
594	Investigation of microRNA expression in human serum during the aging process. 2015 , 70, 102-9	79
593	Circulating miRNAs: roles in cancer diagnosis, prognosis and therapy. 2015 , 81, 75-93	225
592	Exosomal miR-21 derived from arsenite-transformed human bronchial epithelial cells promotes cell proliferation associated with arsenite carcinogenesis. 2015 , 89, 1071-82	42
591	miR-153-3p, a new bio-target, is involved in the pathogenesis of acute graft-versus-host disease via inhibition of indoleamine- 2,3-dioxygenase. 2016 , 7, 48321-48334	23
590	Circulating Nucleic Acids as Prostate Cancer Biomarkers. 2016 , 557-585	
589	Microparticles: A Pivotal Nexus in Vascular Homeostasis and Disease. 2016 , 11, 28-42	6
588	Liquid biopsies for liquid tumors: emerging potential of circulating free nucleic acid evaluation for the management of hematologic malignancies. 2016 , 13, 215-25	32
587	Epithelial ovarian cancer-secreted exosomal miR-222-3p induces polarization of tumor-associated macrophages. 2016 , 7, 43076-43087	192
586	Apoptotic neuron-secreted HN12 inhibits cell apoptosis in Hirschsprung's disease. 2016 , 11, 5871-5881	12
585	Plasma microRNAs expression profile in female workers occupationally exposed to mercury. 2016 , 8, 833-41	16
584	The Expression of miR-192 and Its Significance in Diabetic Nephropathy Patients with Different Urine Albumin Creatinine Ratio. 2016 , 2016, 6789402	33
583	Versatile roles of extracellular vesicles in cancer. 2016 , 126, 1163-72	205
582	Platelet density per monocyte predicts adverse events in patients after percutaneous coronary intervention. 2016 , 115, 353-60	3
581	Altered Plasma MicroRNAs as Novel Biomarkers for Arteriosclerosis Obliterans. 2016 , 23, 196-206	28
580	Circulating Organ-Specific MicroRNAs Serve as Biomarkers in Organ-Specific Diseases: Implications for Organ Allo- and Xeno-Transplantation. 2016 , 17,	29
579	Decoding the Secret of Cancer by Means of Extracellular Vesicles. 2016 , 5,	44
578	Shikonin Inhibits the Proliferation of Human Breast Cancer Cells by Reducing Tumor-Derived Exosomes. 2016 , 21,	56

577	Identification and Characterization of 293T Cell-Derived Exosomes by Profiling the Protein, mRNA and MicroRNA Components. 2016 , 11, e0163043	60
576	Role of Extracellular Vesicles and microRNAs on Dysfunctional Angiogenesis during Preeclamptic Pregnancies. 2016 , 7, 98	62
575	Focus on Extracellular Vesicles: Physiological Role and Signalling Properties of Extracellular Membrane Vesicles. 2016 , 17, 171	162
574	Emerging Roles for MicroRNAs in Perioperative Medicine. 2016 , 124, 489-506	46
573	Polycyclic Aromatic Hydrocarbons-Associated MicroRNAs and Heart Rate Variability in Coke Oven Workers. 2016 , 58, e24-31	16
572	Zooming in on microRNAs for refining cardiovascular risk prediction in secondary prevention. 2017 , 38, 524-528	14
571	Functional regulatory roles of microRNAs in atherosclerosis. 2016 , 460, 164-71	32
570	Identification of a Specific miRNA Profile in HIV-Exposed Seronegative Individuals. 2016 , 73, 11-9	16
569	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
568	Reviews of Physiology, Biochemistry and Pharmacology, Vol. 172. 2016 ,	1
567	MicroRNA-150 upregulation reduces osteosarcoma cell invasion and metastasis by downregulating Ezrin. 2016 , 12, 3457-3462	15
566	Extracellular RNAs: A Secret Arm of Immune System Regulation. 2016 , 291, 7221-8	34
565	Cell-derived microvesicles mediate the delivery of miR-29a/c to suppress angiogenesis in gastric carcinoma. 2016 , 375, 331-339	78
564	MicroRNAs for Restenosis and Thrombosis After Vascular Injury. 2016 , 118, 1170-84	89
563	Monocyte exosomes induce adhesion molecules and cytokines via activation of NF- κ B in endothelial cells. 2016 , 30, 3097-106	105
562	microRNA-150 inhibits the formation of macrophage foam cells through targeting adiponectin receptor 2. 2016 , 476, 218-224	22
561	Small Noncoding RNAs in Senescence and Aging. 2016 , 287-312	0
560	Sources and Functions of Extracellular Small RNAs in Human Circulation. 2016 , 36, 301-36	83

559	Secreted microRNAs from tumor cells can suppress immune function. 2016 , 5, e982407	3
558	Selective enrichment of microRNAs in extracellular matrix vesicles produced by growth plate chondrocytes. 2016 , 88, 47-55	29
557	Association between tuberculosis and circulating microRNA hsa-let-7b and hsa-miR-30b: A pilot study in a Chinese population. 2016 , 99, 63-69	13
556	The delivery of therapeutic oligonucleotides. 2016 , 44, 6518-48	509
555	Cellular Ageing and Replicative Senescence. 2016 ,	7
554	Circulating miR-150 in CSF is a novel candidate biomarker for multiple sclerosis. 2016 , 3, e219	65
553	MicroRNAs and drug-induced kidney injury. 2016 , 163, 48-57	42
552	Onco-miR-24 regulates cell growth and apoptosis by targeting BCL2L11 in gastric cancer. 2016 , 7, 141-51	52
551	Exosomes: From Functions in Host-Pathogen Interactions and Immunity to Diagnostic and Therapeutic Opportunities. 2016 , 172, 39-75	15
550	MicroRNAs and Inflammation in Colorectal Cancer. 2016 , 937, 53-69	19
549	Extracellular miRNA: A Collision of Two Paradigms. 2016 , 41, 883-892	120
548	Serum extracellular vesicular miR-21-5p is a predictor of the prognosis in idiopathic pulmonary fibrosis. 2016 , 17, 110	61
547	Transferring intercellular signals and traits between cancer cells: extracellular vesicles as "homing pigeons". 2016 , 14, 13	19
546	Oxidative stress in prostate hyperplasia and carcinogenesis. 2016 , 35, 139	78
545	Extracellular Vesicles and Vascular Injury: New Insights for Radiation Exposure. 2016 , 186, 203-18	28
544	Adipocyte-derived microvesicles from obese mice induce M1 macrophage phenotype through secreted miR-155. 2016 , 8, 505-517	98
543	microRNA Therapeutics in Cancer - An Emerging Concept. 2016 , 12, 34-42	275
542	microRNA expression profile in human coronary smooth muscle cell-derived microparticles is a source of biomarkers. 2016 , 28, 167-77	15

541	Droplet digital PCR, a prospective technological approach to quantitative profiling of microRNA. 2016 , 10, 22-30	
540	Primary focal segmental glomerulosclerosis: miRNAs and targeted therapies. 2016 , 46, 954-964	5
539	Inflammation-Induced Expression and Secretion of MicroRNA 122 Leads to Reduced Blood Levels of Kidney-Derived Erythropoietin and Anemia. 2016 , 151, 999-1010.e3	39
538	Therapeutic and diagnostic applications of extracellular vesicles. 2016 , 244, 167-183	90
537	Exosomal transfer of functional small RNAs mediates cancer-stroma communication in human endometrium. 2016 , 5, 304-14	24
536	Alcohol Use During Pregnancy is Associated with Specific Alterations in MicroRNA Levels in Maternal Serum. 2016 , 40, 826-37	27
535	MicroRNA Biomarkers of Toxicity in Biological Matrices. 2016 , 152, 264-72	46
534	Impaired vascular function contributes to exercise intolerance in chronic kidney disease. 2016 , 31, 2064-2072	43
533	Mesenchymal Stem Cell-Derived Exosomes Promote Fracture Healing in a Mouse Model. 2016 , 5, 1620-1630	236
532	MicroRNAs as paracrine signaling mediators in cancers and metabolic diseases. 2016 , 30, 577-590	8
531	A comparison between quantitative PCR and droplet digital PCR technologies for circulating microRNA quantification in human lung cancer. 2016 , 16, 60	74
530	Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. 2015 , 5, 17743	35
529	Racial differences in microRNA and gene expression in hypertensive women. 2016 , 6, 35815	35
528	Role of MicroRNA in Endothelial Dysfunction and Hypertension. 2016 , 18, 87	64
527	Infected erythrocyte-derived extracellular vesicles alter vascular function via regulatory Ago2-miRNA complexes in malaria. 2016 , 7, 12727	130
526	XBP1 splicing triggers miR-150 transfer from smooth muscle cells to endothelial cells via extracellular vesicles. 2016 , 6, 28627	23
525	Functional transferred DNA within extracellular vesicles. 2016 , 349, 179-183	55
524	Circulating intestine-derived exosomal miR-328 in plasma, a possible biomarker for estimating BCRP function in the human intestines. 2016 , 6, 32299	16

523	Microparticles as new markers of cardiovascular risk in diabetes and beyond. 2016 , 116, 220-34	55
522	Circulating miRNA in patients with non-alcoholic fatty liver disease and coronary artery disease. 2016 , 3, e000096	34
521	Circulating microRNAs as a Novel Class of Potential Diagnostic Biomarkers in Neuropsychiatric Disorders. 2015 , 57, 159-72	23
520	Are circulating microRNAs peripheral biomarkers for Alzheimer's disease?. 2016 , 1862, 1617-27	159
519	Exosome-mediated small RNA delivery for gene therapy. 2016 , 7, 758-771	62
518	Extracellular vesicles as carriers of microRNA, proteins and lipids in tumor microenvironment. 2016 , 138, 14-21	96
517	MicroRNA transport in cardiovascular complication of diabetes. 2016 , 1861, 2111-2120	15
516	Direct detection of endogenous MicroRNAs and their post-transcriptional modifications in cancer serum by capillary electrophoresis-mass spectrometry. 2016 , 408, 2891-9	28
515	Exosomes derived from SW480 colorectal cancer cells promote cell migration in HepG2 hepatocellular cancer cells via the mitogen-activated protein kinase pathway. 2016 , 48, 305-12	29
514	Cancer Gene Profiling. 2016 ,	2
513	Erythropoietin protects the tubular basement membrane by promoting the bone marrow to release extracellular vesicles containing tPA-targeting miR-144. 2016 , 310, F27-40	20
512	Identification of a panel of five serum miRNAs as a biomarker for Parkinson's disease. 2016 , 22, 68-73	104
511	Extracellular Vesicles and MicroRNAs: Their Role in Tumorigenicity and Therapy for Brain Tumors. 2016 , 36, 361-76	33
510	Extracellular vesicle transfer of cancer pathogenic components. 2016 , 107, 385-90	134
509	Vascular complications in diabetes: Microparticles and microparticle associated microRNAs as active players. 2016 , 472, 1-10	47
508	Profiling cell-free and circulating miRNA: a clinical diagnostic tool for different cancers. 2016 , 37, 5705-14	47
507	Extracellular vesicles for drug delivery. 2016 , 106, 148-156	561
506	The role of microRNAs in cardiac development and regenerative capacity. 2016 , 310, H528-41	42

505	Exosomes in Cancer Disease. 2016 , 1381, 111-49	38
504	Negligible uptake and transfer of diet-derived pollen microRNAs in adult honey bees. 2016 , 13, 109-18	33
503	Metabolic exchanges within tumor microenvironment. 2016 , 380, 272-80	65
502	Discovery of Potential Therapeutic miRNA Targets in Cardiac Ischemia-Reperfusion Injury. 2016 , 21, 296-309	32
501	MicroRNAs, heart failure, and aging: potential interactions with skeletal muscle. 2017 , 22, 209-218	23
500	MicroRNAs in extracellular vesicles: potential cancer biomarkers. 2017 , 62, 67-74	80
499	Re-Engineering Extracellular Vesicles as Smart Nanoscale Therapeutics. 2017 , 11, 69-83	286
498	Pyruvate kinase type M2 promotes tumour cell exosome release via phosphorylating synaptosome-associated protein 23. 2017 , 8, 14041	144
497	Macrophage-Derived mir-155-Containing Exosomes Suppress Fibroblast Proliferation and Promote Fibroblast Inflammation during Cardiac Injury. 2017 , 25, 192-204	180
496	Extracellular vesicles for nucleic acid delivery: progress and prospects for safe RNA-based gene therapy. 2017 , 24, 157-166	84
495	Exosomes participate in the carcinogenesis and the malignant behavior of gastric cancer. 2017 , 52, 499-504	31
494	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. 2017 , 6, 1286095	410
493	MicroRNAs as Peripheral Biomarkers in Aging and Age-Related Diseases. 2017 , 146, 47-94	119
492	The role of exosomes and miRNAs in drug-resistance of cancer cells. 2017 , 141, 220-230	160
491	Exosome-based immunomodulation during aging: A nano-perspective on inflamm-aging. 2017 , 168, 44-53	51
490	Targeted si-RNA with liposomes and exosomes (extracellular vesicles): How to unlock the potential. 2017 , 525, 293-312	26
489	MicroRNA-150 Modulates Ischemia-Induced Neovascularization in Atherosclerotic Conditions. 2017 , 37, 900-908	39
488	Exosome-delivered EGFR regulates liver microenvironment to promote gastric cancer liver metastasis. 2017 , 8, 15016	285

487	Functional Delivery of Lipid-Conjugated siRNA by Extracellular Vesicles. 2017 , 25, 1580-1587	99
486	The role of microRNA-93 regulating angiopoietin2 in the formation of malignant pleural effusion. 2017 , 6, 1036-1048	14
485	Exosomes Transfer Among Different Species Cells and Mediating miRNAs Delivery. 2017 , 118, 4267-4274	26
484	Circulating microRNAs as Novel Biomarkers in Cardiovascular Disease: Basic and Technical Principles. 2017 , 83-101	1
483	Identification of miRNA-7 by genome-wide analysis as a critical sensitizer for TRAIL-induced apoptosis in glioblastoma cells. 2017 , 45, 5930-5944	48
482	miR-200a targets Gelsolin: A novel mechanism regulating secretion of microvesicles in hepatocellular carcinoma cells. 2017 , 37, 2711-2719	14
481	Inflammatory processes in cardiovascular disease: a route to targeted therapies. 2017 , 14, 133-144	225
480	MicroRNA-containing extracellular vesicles released from endothelial colony-forming cells modulate angiogenesis during ischaemic retinopathy. 2017 , 21, 3405-3419	28
479	High-throughput screening identifies microRNAs that target Nox2 and improve function after acute myocardial infarction. 2017 , 312, H1002-H1012	45
478	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017 , 129-157	5
477	miR-200b-containing microvesicles attenuate experimental colitis associated intestinal fibrosis by inhibiting epithelial-mesenchymal transition. 2017 , 32, 1966-1974	40
476	Translating the microRNA signature of microvesicles derived from human coronary artery smooth muscle cells in patients with familial hypercholesterolemia and coronary artery disease. 2017 , 106, 55-67	34
475	Molecular Oncology: Underlying Mechanisms and Translational Advancements. 2017 ,	1
474	Non-coding RNAs in the Vasculature. 2017 ,	
473	Circulating microRNAs in acute and chronic exercise: more than mere biomarkers. 2017 , 122, 702-717	61
472	Molecular Approaches in HFpEF: MicroRNAs and iPSC-Derived Cardiomyocytes. 2017 , 10, 295-304	9
471	Circulating microRNAs: Possible role as non-invasive diagnostic biomarkers in liver disease. 2017 , 41, 370-377	13
470	Estrogen-regulated STAT1 activation promotes TLR8 expression to facilitate signaling via microRNA-21 in systemic lupus erythematosus. 2017 , 176, 12-22	26

469	Diagnostic and Therapeutic Potential of Exosomes in Cancer: The Beginning of a New Tale?. 2017 , 232, 3251-3260	88
468	Blockade of 146b-5p promotes inflammation in atherosclerosis-associated foam cell formation by targeting TRAF6. 2017 , 14, 5087-5092	12
467	Analysis of miRNA expression profiling in human umbilical vein endothelial cells affected by heat stress. 2017 , 40, 1719-1730	7
466	Recent advances in exosome-based nanovehicles as RNA interference therapeutic carriers. 2017 , 12, 2653-2675	47
465	Exosomes as New Intercellular Mediators in Development and Therapeutics of Cardiomyocyte Hypertrophy. 2017 , 998, 91-100	4
464	Cell-to-cell communication: microRNAs as hormones. 2017 , 11, 1673-1686	186
463	Characterization of serum miRNAs as molecular biomarkers for acute Stanford type A aortic dissection diagnosis. 2017 , 7, 13659	13
462	Modelling the propagation of a dynamical signature in gene expression mediated by the transport of extracellular microRNAs. 2017 , 13, 2379-2391	2
461	miR-150-Mediated Foxo1 Regulation Programs CD8 T Cell Differentiation. 2017 , 20, 2598-2611	22
460	Microvesicles released during the interaction between Trypanosoma cruzi TcI and TcII strains and host blood cells inhibit complement system and increase the infectivity of metacyclic forms of host cells in a strain-independent process. 2017 , 75,	18
459	Association of long non-coding RNA H19 and microRNA-21 expression with the biological features and prognosis of non-small cell lung cancer. 2017 , 24, 317-324	28
458	The Role of Microvesicles in Cutaneous Wound Healing. 2017 , 43-66	
457	Urinary sediment miRNAs reflect tubulointerstitial damage and therapeutic response in IgA nephropathy. 2017 , 18, 63	18
456	Platelets, circulating tumor cells, and the circulome. 2017 , 36, 235-248	43
455	RiboCAT: a new capillary electrophoresis data analysis tool for nucleic acid probing. 2017 , 23, 240-249	15
454	Uptake and impact of natural diet-derived small RNA in invertebrates: Implications for ecology and agriculture. 2017 , 14, 402-414	19
453	Extracellular vesicles swarm the cancer microenvironment: from tumor-stroma communication to drug intervention. 2017 , 36, 877-884	92
452	An Eye on Age-Related Macular Degeneration: The Role of MicroRNAs in Disease Pathology. 2017 , 21, 31-43	55

451	Applications of Extracellular RNAs in Oncology. 2017 , 21, 1-11	7
450	Endothelial- and Immune Cell-Derived Extracellular Vesicles in the Regulation of Cardiovascular Health and Disease. 2017 , 2, 790-807	77
449	Formidable challenges to the notion of biologically important roles for dietary small RNAs in ingesting mammals. 2017 , 12, 13	13
448	Endothelial Extracellular Vesicles-Promises and Challenges. 2017 , 8, 275	58
447	Microvesicles in Atherosclerosis and Angiogenesis: From Bench to Bedside and Reverse. 2017 , 4, 77	48
446	Engineering Exosomes for Cancer Therapy. 2017 , 18,	132
445	Exosomal MicroRNAs in Breast Cancer towards Diagnostic and Therapeutic Applications. 2017 , 9,	53
444	Circulating microRNAs as Potential Biomarkers of Infectious Disease. 2017 , 8, 118	131
443	New Insight into Inter-kingdom Communication: Horizontal Transfer of Mobile Small RNAs. 2017 , 8, 768	34
442	Exosomes: toward clinical application. 2017 , 149, 119-122	2
441	Functional Roles and Therapeutic Applications of Exosomes in Hepatocellular Carcinoma. 2017 , 2017, 2931813	20
440	Nucleolin-targeted Extracellular Vesicles as a Versatile Platform for Biologics Delivery to Breast Cancer. 2017 , 7, 1360-1372	92
439	Role of microRNAs in embryo implantation. 2017 , 15, 90	74
438	Serum microRNA array analysis identifies miR-140-3p, miR-33b-3p and miR-671-3p as potential osteoarthritis biomarkers involved in metabolic processes. 2017 , 9, 127	76
437	The small vesicular culprits: the investigation of extracellular vesicles as new targets for cancer treatment. 2017 , 6, 45	24
436	Impact of MicroRNAs in the Cellular Response to Hypoxia. 2017 , 333, 91-158	23
435	Extracellular Vesicle-Associated RNA as a Carrier of Epigenetic Information. 2017 , 8,	28
434	MicroRNA 150-5p Improves Risk Classification for Mortality within 90 Days after Acute Ischemic Stroke. 2017 , 19, 323-332	21

433	Discerning functional hierarchies of microRNAs in pulmonary hypertension. 2017 , 2, e91327	42
432	Microvesicles as Emerging Biomarkers and Therapeutic Targets in Cardiometabolic Diseases. 2018 , 16, 50-62	74
431	Endothelial extracellular vesicles modulate the macrophage phenotype: Potential implications in atherosclerosis. 2018 , 87, e12648	51
430	Reduced atherosclerosis lesion size, inflammatory response in miR-150 knockout mice via macrophage effects. 2018 , 59, 658-669	17
429	MicroRNAs of Equine Amniotic Mesenchymal Cell-derived Microvesicles and Their Involvement in Anti-inflammatory Processes. 2018 , 27, 45-54	18
428	Exosome: Function and Role in Cancer Metastasis and Drug Resistance. 2018 , 17, 1533033818763450	62
427	Concise Review: Rational Use of Mesenchymal Stem Cells in the Treatment of Ischemic Heart Disease. 2018 , 7, 543-550	50
426	Effects of thymoquinone on liver miRNAs and oxidative stress in Ehrlich acid mouse solid tumor model. 2018 , 93, 301-308	11
425	Down-regulated let-7b-5p represses glycolysis metabolism by targeting AURKB in asthenozoospermia. 2018 , 663, 83-87	21
424	The potential atheroprotective role of plant MIR156a as a repressor of monocyte recruitment on inflamed human endothelial cells. 2018 , 57, 197-205	39
423	Exosomes serve as nanoparticles to suppress tumor growth and angiogenesis in gastric cancer by delivering hepatocyte growth factor siRNA. 2018 , 109, 629-641	80
422	Improved systemic metabolism and adipocyte biology in miR-150 knockout mice. 2018 , 83, 139-148	9
421	miRNA Analysis. 2018 , 67-92	
420	Relationship of Circulating miRNAs with Insulin Sensitivity and Associated Metabolic Risk Factors in Humans. 2018 , 16, 82-89	21
419	Exosomes-Small Players, Big Sound. 2018 , 29, 635-648	34
418	H5N1 influenza virus-specific miRNA-like small RNA increases cytokine production and mouse mortality via targeting poly(rC)-binding protein 2. 2018 , 28, 157-171	43
417	Microvesicles: Intercellular messengers in cutaneous wound healing. 2018 , 233, 5550-5563	23
416	Analysis of Circulating microRNAs and Their Post-Transcriptional Modifications in Cancer Serum by On-Line Solid-Phase Extraction-Capillary Electrophoresis-Mass Spectrometry. 2018 , 90, 6618-6625	17

415	Urinary miR-196a predicts disease progression in patients with chronic kidney disease. 2018 , 16, 91	20
414	Circulating MicroRNAs as Novel Biomarkers of Drug-Induced Liver Injury in Humans. 2018 , 597-610	3
413	IKMTA: Inter and Intra Kingdom miRNA-Target Analyzer. 2018 , 10, 538-543	5
412	MicroRNAs in endothelial cell homeostasis and vascular disease. 2018 , 25, 227-236	48
411	The distinct traits of extracellular vesicles generated by transformed cells. 2018 , 9, 427-432	3
410	Exosomes and their Application in Biomedical Field: Difficulties and Advantages. 2018 , 55, 3372-3393	52
409	Fracture Healing and the Underexposed Role of Extracellular Vesicle-Based Cross Talk. 2018 , 49, 486-496	8
408	MicroRNAs as Clinical Biomarkers and Therapeutic Tools in Perioperative Medicine. 2018 , 126, 670-681	53
407	Extracellular Vesicles Secreted by Atherogenic Macrophages Transfer MicroRNA to Inhibit Cell Migration. 2018 , 38, 49-63	127
406	Islet Cell: An endocrine cell secreting miRNAs. 2018 , 495, 1648-1654	19
405	MicroRNA-150 protects against cigarette smoke-induced lung inflammation and airway epithelial cell apoptosis through repressing p53: MicroRNA-150 in CS-induced lung inflammation. 2018 , 37, 920-928	23
404	Emerging role of extracellular vesicles as a senescence-associated secretory phenotype: Insights into the pathophysiology of lung diseases. 2018 , 60, 92-103	80
403	Platelet-Enriched MicroRNAs and Cardiovascular Homeostasis. 2018 , 29, 902-921	12
402	MicroRNA Dysregulation Associated with Red Blood Cell Storage. 2018 , 45, 397-402	7
401	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. 2018 , 3,	31
400	Alterations in exosomal miRNA profile upon epithelial-mesenchymal transition in human lung cancer cell lines. 2018 , 19, 802	25
399	Biogenesis, Stabilization, and Transport of microRNAs in Kidney Health and Disease. 2018 , 4,	3
398	Exosomes and Exosome-Inspired Vesicles for Targeted Drug Delivery. 2018 , 10,	237

397	Extracellular Vesicle-Mediated Immune Regulation of Tissue Remodeling and Angiogenesis After Myocardial Infarction. 2018 , 9, 2799	16
396	MiR-130a-5p prevents angiotensin II-induced podocyte apoptosis by modulating M-type phospholipase A2 receptor. 2018 , 17, 2484-2495	12
395	Quantum Dot Based Nano-Biosensors for Detection of Circulating Cell Free miRNAs in Lung Carcinogenesis: From Biology to Clinical Translation. 2018 , 9, 616	43
394	The Pro-angiogenesis Of Exosomes Derived From Umbilical Cord Blood Of Intrauterine Growth Restriction Pigs Was Repressed Associated With MiRNAs. 2018 , 14, 1426-1436	13
393	Understanding extracellular vesicle diversity - current status. 2018 , 15, 887-910	88
392	Aberrant Expression of miR-362 Promotes Lung Cancer Metastasis through Downregulation of Sema3A. 2018 , 2018, 1687097	16
391	Effect of Endothelial Microparticles Induced by Hypoxia on Migration and Angiogenesis of Human Umbilical Vein Endothelial Cells by Delivering MicroRNA-19b. 2018 , 131, 2726-2733	7
390	Epigenetic Regulation of Endothelial Function: With Focus on MicroRNAs. 2018 , 171-187	
389	Non-coding RNAs and exercise: pathophysiological role and clinical application in the cardiovascular system. 2018 , 132, 925-942	16
388	Extracellular vesicles in cancer - implications for future improvements in cancer care. 2018 , 15, 617-638	638
387	Circulating miRNAs Increasing the Risk of Cancer. 2018 , 79-94	1
386	Plasma exosomes regulate systemic blood pressure in rats. 2018 , 503, 776-783	28
385	Coronary Serum Exosomes Derived from Patients with Myocardial Ischemia Regulate Angiogenesis through the miR-939-mediated Nitric Oxide Signaling Pathway. 2018 , 8, 2079-2093	69
384	Relationship between cardiovascular diseases and circulating cell-free nucleic acids in human plasma. 2018 , 12, 891-905	8
383	Role of Extracellular Vesicles in Viral and Bacterial Infections: Pathogenesis, Diagnostics, and Therapeutics. 2018 , 8, 2709-2721	89
382	Microvesicles packaging IL-1 β and TNF- α enhance lung inflammatory response to mechanical ventilation in part by induction of cofilin signaling. 2018 , 63, 74-83	17
381	Circulating miRNAs as biomarkers for early diagnosis of coronary artery disease. 2018 , 28, 591-601	18
380	Exosomal miR-9 inhibits angiogenesis by targeting MDK and regulating PDK/AKT pathway in nasopharyngeal carcinoma. 2018 , 37, 147	95

379	Long-range function of secreted small nucleolar RNAs that direct 2'-methylation. 2018 , 293, 13284-13296	29
378	A Challenge to Aging Society by microRNA in Extracellular Vesicles: microRNA in Extracellular Vesicles as Promising Biomarkers and Novel Therapeutic Targets in Multiple Myeloma. 2018 , 7,	8
377	Heterogeneity and interplay of the extracellular vesicle small RNA transcriptome and proteome. 2018 , 8, 10813	63
376	Noncoding RNAs Carried by Extracellular Vesicles in Endocrine Diseases. 2018 , 2018, 4302096	11
375	Role of exosome-associated microRNA in diagnostic and therapeutic applications to metabolic disorders. 2018 , 19, 183-198	31
374	Extracellular vesicles: Toward a clinical application in urological cancer treatment. 2018 , 25, 533-543	22
373	Effect of exercise on the plasma vesicular proteome: a methodological study comparing acoustic trapping and centrifugation. 2018 , 18, 3101-3111	12
372	Exosomal neutral sphingomyelinase 1 suppresses hepatocellular carcinoma via decreasing the ratio of sphingomyelin/ceramide. 2018 , 285, 3835-3848	17
371	Heterogeneous nuclear ribonucleoprotein C1 may control miR-30d levels in endometrial exosomes affecting early embryo implantation. 2018 , 24, 411-425	17
370	Myocardial cell-to-cell communication via microRNAs. 2018 , 3, 144-153	13
369	The Exosome-Derived Biomarker in Atherosclerosis and Its Clinical Application. 2019 , 12, 68-74	50
368	MicroRNA-150 contributes to ischemic stroke through its effect on cerebral cortical neuron survival and function by inhibiting ERK1/2 axis via Mal. 2019 , 234, 1477-1490	8
367	Emerging role of circulating microRNA in the diagnosis of human infectious diseases. 2019 , 234, 1030-1043	37
366	The Role of miR-150 in Stress-Induced Anxiety-Like Behavior in Mice. 2019 , 35, 160-172	12
365	Extracellular Vesicles: Opportunities and Challenges for the Treatment of Renal Fibrosis. 2019 , 1165, 693-709	4
364	Peripheral Circulating Exosome-Mediated Delivery of miR-155 as a Novel Mechanism for Acute Lung Inflammation. 2019 , 27, 1758-1771	71
363	Extracellular miRNAs: From Biomarkers to Mediators of Physiology and Disease. 2019 , 30, 656-673	203
362	Exosomal DNA Aptamer Targeting β Synuclein Aggregates Reduced Neuropathological Deficits in a Mouse Parkinson's Disease Model. 2019 , 17, 726-740	34

361	Exosomal miRNA: an alternative mediator of cell-to-cell communication. 2019 , 1,	4
360	Latest advances in extracellular vesicles: from bench to bedside. 2019 , 20, 746-757	56
359	Exosomes and Their Role in Cancer Progression. 2019 , 62, 182-190	46
358	Schwann Cell-Like Cells Derived from Human Amniotic Mesenchymal Stem Cells Promote Peripheral Nerve Regeneration through a MicroRNA-214/c-Jun Pathway. 2019 , 2019, 2490761	5
357	Extracellular RNA: mechanisms of its transporting into target cells. 2019 , 1,	5
356	Tumor-derived extracellular vesicles: reliable tools for Cancer diagnosis and clinical applications. 2019 , 17, 73	87
355	The Diverse Oncogenic and Tumor Suppressor Roles of microRNA-105 in Cancer. 2019 , 9, 518	24
354	Secreted Monocyte miR-27a, via Mesenteric Arterial Mas Receptor-eNOS Pathway, Causes Hypertension. 2020 , 33, 31-42	17
353	Potential of miRNAs to predict and treat inflammation from the perspective of Familial Mediterranean Fever. 2019 , 68, 905-913	13
352	Circulating microRNAs and endothelial cell migration rate are associated with metabolic syndrome and fitness level in postmenopausal African American women. 2019 , 7, e14173	4
351	Noncoding RNAs in development and teratology, with focus on effects of cannabis, cocaine, nicotine, and ethanol. 2019 , 111, 1308-1319	9
350	Circulatory miR-223-3p Discriminates Between Parkinson's and Alzheimer's Patients. 2019 , 9, 9393	17
349	Application of Heat Pump Energy-Saving Flue-Cured Tobacco Technology. 2019 , 252, 032042	
348	A Differential Evolution Algorithm Based on Multi-Population for Economic Dispatch Problems With Valve-Point Effects. 2019 , 7, 95585-95609	18
347	Design and applications of stretchable and self-healable conductors for soft electronics. 2019 , 6, 25	51
346	Carvedilol Ameliorates Experimental Atherosclerosis by Regulating Cholesterol Efflux and Exosome Functions. 2019 , 20,	12
345	Polyunsaturated fatty acids modulate the delivery of platelet microvesicle-derived microRNAs into human breast cancer cell lines. 2019 , 74, 108242	17
344	Simvastatin mediates inhibition of exosome synthesis, localization and secretion via multicomponent interventions. 2019 , 9, 16373	20

343	Altered human cytomegalovirus-encoded miRNAs in host circulation: novel disease biomarkers and potential aetiological agents. 2019 , 1,	2
342	LncRNA TNK2-AS1 regulated ox-LDL-stimulated HASMC proliferation and migration via modulating VEGFA and FGF1 expression by sponging miR-150-5p. 2019 , 23, 7289-7298	19
341	The role of microvesicles containing microRNAs in vascular endothelial dysfunction. 2019 , 23, 7933-7945	18
340	Small molecule immunomodulation: the tumor microenvironment and overcoming immune escape. 2019 , 7, 224	77
339	MicroRNA-217 is involved in the progression of atherosclerosis through regulating inflammatory responses by targeting sirtuin 1. 2019 , 20, 3182-3190	12
338	Biogenesis and ceRNA role of circular RNAs in skeletal muscle myogenesis. 2019 , 117, 105621	6
337	MSC-Derived Exosome Promotes M2 Polarization and Enhances Cutaneous Wound Healing. 2019 , 2019, 7132708	107
336	Umbilical Cord miRNAs in Small-for-Gestational-Age Children and Association With Catch-Up Growth: A Pilot Study. 2019 , 104, 5285-5298	14
335	Circulating miRNA Profiling in Plasma Samples of Ovarian Cancer Patients. 2019 , 20,	22
334	Autologous cancer cell-derived extracellular vesicles as drug-delivery systems: a systematic review of preclinical and clinical findings and translational implications. 2019 , 14, 493-509	13
333	Exosomal miRNAs from highly metastatic cells can induce metastasis in non-metastatic cells. 2019 , 220, 162-168	12
332	TBC1D3 regulates the payload and biological activity of extracellular vesicles that mediate tissue repair. 2019 , 33, 6129-6139	8
331	Dietary microRNA-A Novel Functional Component of Food. 2019 , 10, 711-721	18
330	Exosomal miRNA-107 induces myeloid-derived suppressor cell expansion in gastric cancer. 2019 , 11, 4023-4040	48
329	Prostate carcinoma cell-derived exosomal MicroRNA-26a modulates the metastasis and tumor growth of prostate carcinoma. 2019 , 117, 109109	11
328	Salivary Extracellular Vesicle-Associated exRNA as Cancer Biomarker. 2019 , 11,	23
327	Implications of exosomes as diagnostic and therapeutic strategies in cancer. 2019 , 234, 21694-21706	13
326	Expression Profiling and Clinical Significance of Plasma MicroRNAs in Diabetic Nephropathy. 2019 , 2019, 5204394	19

325	Roles of extracellular microRNAs in central nervous system. 2019 , 1,	1
324	The emerging research field of extracellular RNA: an editorial preface. 2019 , 1,	2
323	Biogenesis and function of extracellular miRNAs. 2019 , 1,	38
322	Advances in therapeutic applications of extracellular vesicles. 2019 , 11,	343
321	High-density lipoproteins induce miR-223-3p biogenesis and export from myeloid cells: Role of scavenger receptor BI-mediated lipid transfer. 2019 , 286, 20-29	10
320	Extracellular microRNAs initiate immunostimulation via activating toll-like receptor signaling pathways. 2019 , 1,	8
319	Exosomes: An emerging factor in atherosclerosis. 2019 , 115, 108951	42
318	Exosome-transmitted p120-catenin suppresses hepatocellular carcinoma progression via STAT3 pathways. 2019 , 58, 1389-1399	16
317	Extracellular Vesicles: Opportunities and Challenges for the Treatment of Renal Diseases. 2019 , 10, 226	35
316	Small non-coding RNAs as important players, biomarkers and therapeutic targets in multiple sclerosis: A comprehensive overview. 2019 , 101, 17-25	32
315	Phospho-RNA-seq: a modified small RNA-seq method that reveals circulating mRNA and lncRNA fragments as potential biomarkers in human plasma. 2019 , 38,	35
314	Mass spectrometry-based proteome profiling of extracellular vesicles and their roles in cancer biology. 2019 , 51, 1-10	64
313	Roles of Exosomes Derived From Immune Cells in Cardiovascular Diseases. 2019 , 10, 648	66
312	Exosome-transmitted miR-128-3p increase chemosensitivity of oxaliplatin-resistant colorectal cancer. 2019 , 18, 43	151
311	Extracellular Vesicles as Novel Nanocarriers for Therapeutic Delivery. 2019 , 391-407	2
310	Extracellular microRNAs exhibit sequence-dependent stability and cellular release kinetics. 2019 , 16, 696-706	18
309	miR-31 shuttled by halofuginone-induced exosomes suppresses MFC-7 cell proliferation by modulating the HDAC2/cell cycle signaling axis. 2019 , 234, 18970-18984	12
308	Role of Monocyte-Derived MicroRNA106b~25 in Resilience to Social Stress. 2019 , 86, 474-482	22

307	Point of care testing for infectious diseases. 2019 , 493, 138-147	91
306	Injured liver-released miRNA-122 elicits acute pulmonary inflammation via activating alveolar macrophage TLR7 signaling pathway. 2019 , 116, 6162-6171	33
305	The malignant role of exosomes in the communication among colorectal cancer cell, macrophage and microbiome. 2019 , 40, 601-610	16
304	Exploiting the message from cancer: the diagnostic value of extracellular vesicles for clinical applications. 2019 , 51, 1-9	55
303	MicroRNAs and Long Non-Coding RNAs and Their Hormone-Like Activities in Cancer. 2019 , 11,	25
302	Emerging role of extracellular microRNAs and lncRNAs. 2019 , 1,	8
301	MicroRNA-4530 suppresses cell proliferation and induces apoptosis by targeting RASA1 in human umbilical vein endothelial cells. 2019 , 19, 3393-3402	7
300	Exosome nanocarriers: A natural, novel, and perspective approach in drug delivery system. 2019 , 189-218	1
299	Elevated Plasma microRNA-105-5p Level in Patients With Idiopathic Parkinson's Disease: A Potential Disease Biomarker. 2019 , 13, 218	19
298	An Insight into the Roles of MicroRNAs and Exosomes in Sarcoma. 2019 , 11,	15
297	Exosomal microRNA profiles from serum and cerebrospinal fluid in neurosyphilis. 2019 , 95, 246-250	12
296	Extracellular and intracellular microRNAs in pancreatic cancer: from early diagnosis to reducing chemoresistance. 2019 , 1,	2
295	Altered Expression Levels of MicroRNA-132 and Nurr1 in Peripheral Blood of Parkinson's Disease: Potential Disease Biomarkers. 2019 , 10, 2243-2249	26
294	Exosome in Cardiovascular Diseases: A Complex World Full of Hope. 2019 , 8,	69
293	Co-targeting of EGFR by co-expressed miRNA-193a-3p/Bp in lung cancer. 2019 , 1,	3
292	Extracellular vesicles in chronic obstructive pulmonary disease (COPD). 2019 , 11, S2141-S2154	24
291	Regulation of miRNAs as new tool for cutaneous vitality lesions demonstration in ligature marks in deaths by hanging. 2019 , 9, 20011	12
290	Comment on "The State of Exosomes Research: A Global Visualized Analysis" and "Current Research Trends in Traditional Chinese Medicine Formula: A Bibliometric Review from 2000 to 2016". 2019 , 2019, 6217925	1

289	Extracellular Vesicles-Connecting Kingdoms. 2019 , 20,	102
288	miR-191 secreted by platelet-derived microvesicles induced apoptosis of renal tubular epithelial cells and participated in renal ischemia-reperfusion injury via inhibiting CBS. 2019 , 18, 119-129	10
287	The Role of Noncoding RNAs in Gene Regulation. 2019 , 217-235	
286	Extracellular membrane vesicles in the three domains of life and beyond. 2019 , 43, 273-303	140
285	Extracellular Vesicles in Liver Diseases: Diagnostic, Prognostic, and Therapeutic Application. 2019 , 39, 70-77	21
284	Extracellular vesicle secretion of miR-142-3p from lung adenocarcinoma cells induces tumor promoting changes in the stroma through cell-cell communication. 2019 , 58, 376-387	36
283	Detection of circulating microRNAs with Ago2 complexes to monitor the tumor dynamics of colorectal cancer patients during chemotherapy. 2019 , 144, 2169-2180	17
282	MiR-150 promotes angiogenesis and proliferation of endothelial progenitor cells in deep venous thrombosis by targeting SRCIN1. 2019 , 123, 35-41	20
281	Evaluation of exosomal miR-9 and miR-155 targeting PTEN and DUSP14 in highly metastatic breast cancer and their effect on low metastatic cells. 2019 , 120, 5666-5676	40
280	Lymphocyte-Derived Exosomal MicroRNAs Promote Pancreatic β Cell Death and May Contribute to Type 1 Diabetes Development. 2019 , 29, 348-361.e6	119
279	miR-31 regulates energy metabolism and is suppressed in T cells from patients with Sjögren's syndrome. 2019 , 49, 313-322	7
278	The Potential of Stem Cells and Stem Cell-Derived Exosomes in Treating Cardiovascular Diseases. 2019 , 12, 51-61	11
277	Extracellular Vesicles: Mechanisms in Human Health and Disease. 2019 , 30, 813-856	61
276	Non-coding RNA regulation of endothelial and macrophage functions during atherosclerosis. 2019 , 114, 64-75	39
275	MicroRNA-150-5p promotes cell motility by inhibiting c-Myb-mediated Slug suppression and is a prognostic biomarker for recurrent ovarian cancer. 2020 , 39, 862-876	11
274	Mechanisms of exosome-mediated immune cell crosstalk in inflammation and disease. 2020 , 325-342	
273	Physiological and pathological functions of prostasomes: From basic research to clinical application. 2020 , 101-121	1
272	MicroRNA-150 deficiency accelerates intimal hyperplasia by acting as a novel regulator of macrophage polarization. 2020 , 240, 116985	6

271	Extracellular vesicles transmitted miR-31-5p promotes sorafenib resistance by targeting MLH1 in renal cell carcinoma. 2020 , 146, 1052-1063	30
270	Diagnostic and theranostic microRNAs in the pathogenesis of atherosclerosis. 2020 , 228, e13353	15
269	Circulating microRNA trafficking and regulation: computational principles and practice. 2020 , 21, 1313-1326	1
268	Extracellular vesicles as biomarkers and therapeutic targets for cancer. 2020 , 318, C29-C39	47
267	Heroin Abuse and/or HIV Infection Dysregulate Plasma Exosomal miRNAs. 2020 , 15, 400-408	9
266	miR-378a: a new emerging microRNA in metabolism. 2020 , 77, 1947-1958	18
265	Early-onset preeclampsia, plasma microRNAs, and endothelial cell function. 2020 , 222, 497.e1-497.e12	18
264	Circulating miRNAs and Risk of Sudden Death in Patients With Coronary Heart Disease. 2020 , 6, 70-79	7
263	microRNA exchange via extracellular vesicles in cancer. 2020 , 53, e12877	12
262	MicroRNA: Another Pharmacological Avenue for Colorectal Cancer?. 2020 , 8, 812	7
261	Fish oil and olive oil-enriched diets alleviate acute ozone-induced cardiovascular effects in rats. 2020 , 409, 115296	2
260	Nutrition and microRNAs: Novel Insights to Fight Sarcopenia. 2020 , 9,	9
259	Extracellular vesicle signalling in atherosclerosis. 2020 , 75, 109751	11
258	Efficient encapsulation of biocompatible nanoparticles in exosomes for cancer theranostics. 2020 , 35, 100964	14
257	Osteocyte-derived exosomes induced by mechanical strain promote human periodontal ligament stem cell proliferation and osteogenic differentiation via the miR-181b-5p/PTEN/AKT signaling pathway. 2020 , 11, 295	20
256	The Role of Extracellular Vesicles (EVs) in the Epigenetic Regulation of Bone Metabolism and Osteoporosis. 2020 , 21,	9
255	Extracellular MicroRNAs as Intercellular Mediators and Noninvasive Biomarkers of Cancer. 2020 , 12,	7
254	Tropism-facilitated delivery of CRISPR/Cas9 system with chimeric antigen receptor-extracellular vesicles against B-cell malignancies. 2020 , 326, 455-467	16

253	Endothelial Microvesicles Induce Pulmonary Vascular Leakage and Lung Injury During Sepsis. 2020 , 8, 643	6
252	Discovering the signature of a lupus-related microRNA profile in the Gene Expression Omnibus repository. 2020 , 29, 1321-1335	6
251	miR-150 regulates endothelial progenitor cell differentiation via Akt and promotes thrombus resolution. 2020 , 11, 354	3
250	Angiogenic Exosome-Derived microRNAs: Emerging Roles in Cardiovascular Disease. 2021 , 14, 824-840	3
249	Part One: Extracellular Vesicles as Valuable Players in Diabetic Cardiovascular Diseases. 2020 ,	3
248	Identification of a Plasma MicroRNA Signature as Biomarker of Subaneurysmal Aortic Dilation in Patients with High Cardiovascular Risk. 2020 , 9,	1
247	Macrophage interactions with collecting duct epithelial cells are capable of driving tubulointerstitial inflammation and fibrosis in immunoglobulin A nephropathy. 2020 , 35, 1865-1877	0
246	Extracellular microRNAs in human circulation are associated with miRISC complexes that are accessible to anti-AGO2 antibody and can bind target mimic oligonucleotides. 2020 , 117, 24213-24223	32
245	Extracellular Vesicles in Bone Metastasis: Key Players in the Tumor Microenvironment and Promising Therapeutic Targets. 2020 , 21,	8
244	Circulating Exosomal miRNAs Signal Circadian Misalignment to Peripheral Metabolic Tissues. 2020 , 21,	11
243	Exosomes as a new pain biomarker opportunity. 2020 , 16, 1744806920957800	14
242	Exosome: A Novel Nanocarrier Delivering Noncoding RNA for Bone Tissue Engineering. 2020 , 2020, 1-14	2
241	Podocyte-Released Migrasomes in Urine Serve as an Indicator for Early Podocyte Injury. 2020 , 6, 422-433	13
240	Radiologically isolated syndrome: targeting miRNAs as prognostic biomarkers. 2020 , 12, 2065-2076	4
239	RNA virus-encoded microRNAs: biogenesis, functions and perspectives on application. 2020 , 2, 15	8
238	LncRNAs in Cancer: From garbage to Junk. 2020 , 12,	16
237	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. 2020 , 17, 685-697	80
236	Mediating effects of platelet-derived extracellular vesicles on PM-induced vascular endothelial injury. 2020 , 198, 110652	5

235	[Development of Novel Drug Delivery System Targeting Exosomal microRNA]. 2020 , 140, 625-631	1
234	MicroRNAs As Master Regulators of Atherosclerosis: From Pathogenesis to Novel Therapeutic Options. 2020 , 33, 621-644	15
233	Extracellular vesicle cross-talk in the liposarcoma microenvironment. 2020 , 487, 27-33	4
232	Clinical relevance and functional significance of cell-free microRNA-1260b'expression profiles in infiltrative myxofibrosarcoma. 2020 , 10, 9414	2
231	Long Range Endocrine Delivery of Circulating miR-210 to Endothelium Promotes Pulmonary Hypertension. 2020 , 127, 677-692	8
230	Y-RNA subtype ratios in plasma extracellular vesicles are cell type- specific and are candidate biomarkers for inflammatory diseases. 2020 , 9, 1764213	20
229	Diagnostic and Therapeutic Applications of Exosomes in Cancer with a Special Focus on Head and Neck Squamous Cell Carcinoma (HNSCC). 2020 , 21,	10
228	Noncoding RNA: from dark matter to bright star. 2020 , 63, 463-468	12
227	Inducing Endogenous Cardiac Regeneration: Can Biomaterials Connect the Dots?. 2020 , 8, 126	14
226	Extracellular Vesicles in Cancer Metastasis: Potential as Therapeutic Targets and Materials. 2020 , 21,	15
225	Processing by RNase 1 forms tRNA halves and distinct Y RNA fragments in the extracellular environment. 2020 , 48, 8035-8049	15
224	Multigenerational maternal obesity increases the incidence of HCC in offspring via miR-27a-3p. 2020 , 73, 603-615	22
223	Early microRNA indicators of PPAR γ pathway activation in the liver. 2020 , 7, 805-815	4
222	Exosomes as Drug Delivery Vehicles for Cancer Treatment. 2020 , 16, 15-26	4
221	Exosomes-microRNAs interacted with gastric cancer and its microenvironment: a mini literature review. 2020 , 14, 141-150	4
220	Circulating microRNAs as biomarkers in cancer diagnosis. 2020 , 248, 117473	60
219	Where does the cargo go?: Solutions to provide experimental support for the "extracellular vesicle cargo transfer hypothesis". 2020 , 14, 135-146	22
218	MicroRNAs in Vascular Eye Diseases. 2020 , 21,	12

217	The role of exosomes in metastasis and progression of melanoma. 2020 , 85, 101975	41
216	Cardio-renal Exosomes in Myocardial Infarction Serum Regulate Proangiogenic Paracrine Signaling in Adipose Mesenchymal Stem Cells. 2020 , 10, 1060-1073	29
215	An engineered exosome for delivering sgRNA:Cas9 ribonucleoprotein complex and genome editing in recipient cells. 2020 , 8, 2966-2976	44
214	Pathophysiological Role and Potential Therapeutic Exploitation of Exosomes in Ovarian Cancer. 2020 , 9,	9
213	Modulators of MicroRNA Function in the Immune System. 2020 , 21,	16
212	Dietary microRNAs and cancer: A new therapeutic approach?. 2021 , 73, 19-29	11
211	Multifaceted role of extracellular vesicles in atherosclerosis. 2021 , 319, 121-131	15
210	Exosomes: Cell-Derived Nanoplatfoms for the Delivery of Cancer Therapeutics. 2020 , 22,	24
209	Intermittent Lipopolysaccharide Exposure Significantly Increases Cortical Infarct Size and Impairs Autophagy. 2021 , 13, 1759091421991769	0
208	Exosome-mediated bioinspired drug delivery. 2021 , 219-240	
207	Pancreatic β cells control glucose homeostasis via the secretion of exosomal miR-29 family. 2021 , 10, e12055	13
206	The role of miR-320 in glucose and lipid metabolism disorder-associated diseases. 2021 , 17, 402-416	13
205	Genistein alleviates chronic vascular inflammatory response via the miR-21/NF- κ B p65 axis in lipopolysaccharide-treated mice. 2021 , 23,	1
204	Discovery and Characterization of Non-coding RNA Through Modern Genomics. 2021 , 284-298	
203	High Throughput Sequencing of MicroRNA in Rainbow Trout Plasma, Mucus, and Surrounding Water Following Acute Stress. 2020 , 11, 588313	9
202	MicroRNAs for Diagnosis and Treatment of Colorectal Cancer. 2021 , 21, 47-55	2
201	Microvesicles produced by monocytes affect the phenotype and functions of endothelial cells. 2021 , 5, 135-159	1
200	Sperm microRNAs confer depression susceptibility to offspring. 2021 , 7,	16

199	Extracellular Vesicles: An Emerging Nanoplatform for Cancer Therapy. 2020 , 10, 606906	7
198	A Comprehensive miRNome Analysis of Macrophages Isolated from db/db Mice and Selected miRNAs Involved in Metabolic Syndrome-Associated Cardiac Remodeling. 2021 , 22,	1
197	Immune function of miR-214 and its application prospects as molecular marker. 2021 , 9, e10924	2
196	Ehrlich Solid Tumorlarında Kanser Kell Hücresine Varlıkların İmmunohistokimyasal Olarak Değerlendirilmesi.	
195	Treatment of Oxidative Stress with Exosomes in Myocardial Ischemia. 2021 , 22,	11
194	The Role of miRNA-7 in the Biology of Cancer and Modulation of Drug Resistance. 2021 , 14,	4
193	Differential Expression of Serum Exosome microRNAs and Cytokines in Influenza A and B Patients Collected in the 2016 and 2017 Influenza Seasons. 2021 , 10,	2
192	Diagnostic and Therapeutic Applications of Exosome Nanovesicles in Lung Cancer: State-of-The-Art. 2021 ,	0
191	Circulating miRNA in atherosclerosis: a clinical biomarker and early diagnostic tool. 2021 ,	1
190	Detection of tumor-derived extracellular vesicles in plasma from patients with solid cancer. 2021 , 21, 315	7
189	FoxP3-miR-150-5p/3p suppresses ovarian tumorigenesis via an IGF1R/IRS1 pathway feedback loop. 2021 , 12, 275	6
188	Tumor-associated macrophages secrete exosomal miR-155 and miR-196a-5p to promote metastasis of non-small-cell lung cancer. 2021 , 10, 1338-1354	12
187	The Role of Exosomes in Breast Cancer Diagnosis. 2021 , 9,	11
186	RNA release via membrane vesicles in Pseudomonas aeruginosa PAO1 is associated with the growth phase. 2021 , 23, 5030-5041	4
185	A Feedback Loop Involving MicroRNA-150 and MYB Regulates VEGF Expression in Brain Microvascular Endothelial Cells After Oxygen Glucose Deprivation. 2021 , 12, 619904	1
184	RNAs on the Go: Extracellular Transfer in Insects with Promising Prospects for Pest Management. 2021 , 10,	3
183	miRNA in food simultaneously controls animal viral disease and human tumorigenesis. 2021 , 23, 995-1006	3
182	In vivo self-assembled small RNAs as a new generation of RNAi therapeutics. 2021 , 31, 631-648	13

181	Expedition into Exosome Biology: A Perspective of Progress from Discovery to Therapeutic Development. 2021 , 13,	8
180	General Anesthesia and Perioperative Management via microRNA. 2021 , 17, 72-80	
179	Exosomal microRNAs in the development of essential hypertension and its potential as biomarkers. 2021 , 320, H1486-H1497	6
178	Plant-derived xenomiRs and cancer: Cross-kingdom gene regulation. 2021 , 28, 2408-2422	3
177	Extracellular-vesicle containing miRNA-503-5p released by macrophages contributes to atherosclerosis. 2021 , 13, 12239-12257	6
176	Unresolved Issues in RNA Therapeutics in Vascular Diseases With a Focus on Aneurysm Disease. 2021 , 8, 571076	0
175	Examining the evidence for extracellular RNA function in mammals. 2021 , 22, 448-458	8
174	Extracellular vesicles in prostate cancer: a narrative review. 2021 , 10, 1890-1907	5
173	Extracellular Vesicles as Promising Carriers in Drug Delivery: Considerations from a Cell Biologist's Perspective. 2021 , 10,	5
172	MicroRNA-486-5p Suppresses Lung Cancer Downregulating mTOR Signaling and. 2021 , 11, 655236	2
171	Adipose Extracellular Vesicles: Messengers From and to Macrophages in Regulating Immunometabolic Homeostasis or Disorders. 2021 , 12, 666344	2
170	Differential expression of microRNA miR-150-5p in IgA nephropathy as a potential mediator and marker of disease progression. 2021 , 99, 1127-1139	11
169	Small non-coding RNAs in embryonic pre-implantation. 2021 ,	1
168	Extracellular vesicles: Their emerging roles in the pathogenesis of respiratory diseases. 2021 , 59, 302-311	4
167	GPC5 suppresses lung cancer progression and metastasis via intracellular CTDSP1/AhR/ARNT signaling axis and extracellular exosome secretion. 2021 , 40, 4307-4323	1
166	Biological Properties of Milk-Derived Extracellular Vesicles and Their Physiological Functions in Infant. 2021 , 9, 693534	14
165	miR-548d-3p Alters Parasite Growth and Inflammation in Infection. 2021 , 11, 687647	4
164	Extracellular vesicles-incorporated microRNA signature as biomarker and diagnosis of prediabetes state and its complications. 2021 , 1	3

163	Emerging roles of exosomal miRNAs in diabetes mellitus. 2021 , 11, e468	17
162	Extracellular vesicles in cancer diagnostics and therapeutics. 2021 , 223, 107806	19
161	Secretome and Tunneling Nanotubes: A Multilevel Network for Long Range Intercellular Communication between Endothelial Cells and Distant Cells. 2021 , 22,	3
160	Dilated cardiomyopathy: a new insight into the rare but common cause of heart failure. 2021 , 1	2
159	Circulating MicroRNAs in Gastrointestinal Cancer. 2021 , 13,	2
158	Genetic Exchange of Lung-Derived Exosome to Brain Causing Neuronal Changes on COVID-19 Infection. 2021 , 58, 5356-5368	2
157	The circulatory small non-coding RNA landscape in community-acquired pneumonia on intensive care unit admission. 2021 , 25, 7621-7630	2
156	Exosomal hsa_circRNA_104484 and hsa_circRNA_104670 may serve as potential novel biomarkers and therapeutic targets for sepsis. 2021 , 11, 14141	4
155	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. 2021 , 6, 300	7
154	microRNAs in human brucellosis: A promising therapeutic approach and biomarker for diagnosis and treatment. 2021 , 9, 1209-1218	3
153	Recent Advances in the Delivery Carriers and Chemical Conjugation Strategies for Nucleic Acid Drugs. 2021 , 13,	2
152	Liquid Biopsy for Cancer Cachexia: Focus on Muscle-Derived microRNAs. 2021 , 22,	1
151	Identification of miR-199a-5p, miR-214-3p and miR-99b-5p as Fibrosis-Specific Extracellular Biomarkers and Promoters of HSC Activation. 2021 , 22,	0
150	Tau Seeds in Extracellular Vesicles Induce Tau Accumulation in Degradative Organelles of Cells. 2021 , 40, 1185-1199	0
149	Heterogeneous Types of miRNA-Disease Associations Stratified by Multi-Layer Network Embedding and Prediction. 2021 , 9,	0
148	Exosomes as natural delivery carriers for programmable therapeutic nucleic acid nanoparticles (NANPs). 2021 , 176, 113835	9
147	Secret messengers: Extracellular RNA communication in the immune system. 2021 , 304, 62-76	3
146	Plant extracellular vesicles: the safe for bioactive compounds. 2021 , 155-174	1

145	Pancreatic cancer-derived exosomal microRNA-19a induces cell dysfunction by targeting ADCY1 and EPAC2. 2021 , 17, 3622-3633	2
144	Familial Mediterranean fever-related miR-197-3p targets IL1R1 gene and modulates inflammation in monocytes and synovial fibroblasts. 2021 , 11, 685	9
143	Therapeutic reversal of Huntington's disease by in vivo self-assembled siRNAs.. 2021 , 144, 3421-3435	2
142	Extracellular Vesicles in Multiple Sclerosis as Possible Biomarkers: Dream or Reality?. 2017 , 958, 1-9	5
141	Recent Advances in Experimental Models of Breast Cancer Exosome Secretion, Characterization and Function. 2020 , 25, 305-317	3
140	Research progress on the roles of microRNAs in governing synaptic plasticity, learning and memory. 2017 , 188, 118-122	14
139	MicroRNAs as sentinels and protagonists of carotid artery thromboembolism. 2020 , 134, 169-192	8
138	Extracellular Vesicles Hijack the Autophagic Pathway to Induce Tau Accumulation in Endolysosomes.	3
137	Adipocyte-specific loss of PPAR attenuates cardiac hypertrophy. 2016 , 1, e89908	50
136	Non-coding RNAs in muscle differentiation and musculoskeletal disease. 2016 , 126, 2021-30	47
135	Infection-induced 5'-half molecules of tRNA ^{His} GUG activate Toll-like receptor 7. 2020 , 18, e3000982	16
134	Circulating plasma MiR-141 is a novel biomarker for metastatic colon cancer and predicts poor prognosis. 2011 , 6, e17745	334
133	Early second-trimester serum miRNA profiling predicts gestational diabetes mellitus. 2011 , 6, e23925	147
132	The expression levels of plasma microRNAs in atrial fibrillation patients. 2012 , 7, e44906	81
131	Argonaute 2 complexes selectively protect the circulating microRNAs in cell-secreted microvesicles. 2012 , 7, e46957	151
130	Adenosine stimulates the migration of human endothelial progenitor cells. Role of CXCR4 and microRNA-150. 2013 , 8, e54135	39
129	First report of circulating microRNAs in tumour necrosis factor receptor-associated periodic syndrome (TRAPS). 2013 , 8, e73443	37
128	microRNAs in circulation are altered in response to influenza A virus infection in humans. 2013 , 8, e76811	75

127	A combination of Let-7d, Let-7g and Let-7i serves as a stable reference for normalization of serum microRNAs. 2013 , 8, e79652	83
126	Transferred BCR/ABL DNA from K562 extracellular vesicles causes chronic myeloid leukemia in immunodeficient mice. 2014 , 9, e105200	51
125	Atherosclerosis-related circulating miRNAs as novel and sensitive predictors for acute myocardial infarction. 2014 , 9, e105734	53
124	A circulating microrna profile is associated with late-stage neovascular age-related macular degeneration. 2014 , 9, e107461	48
123	Deep sequencing of RNA from three different extracellular vesicle (EV) subtypes released from the human LIM1863 colon cancer cell line uncovers distinct miRNA-enrichment signatures. 2014 , 9, e110314	146
122	Elevated Muscle-Specific miRNAs in Serum of Myotonic Dystrophy Patients Relate to Muscle Disease Progress. 2015 , 10, e0125341	44
121	Customized Internal Reference Controls for Improved Assessment of Circulating MicroRNAs in Disease. 2015 , 10, e0127443	32
120	Deletion of miR-150 Exacerbates Retinal Vascular Overgrowth in High-Fat-Diet Induced Diabetic Mice. 2016 , 11, e0157543	20
119	Plasma miRNA Profiles in Pregnant Women Predict Infant Outcomes following Prenatal Alcohol Exposure. 2016 , 11, e0165081	38
118	A novel evaluation of microvascular damage in critically ill polytrauma patients by using circulating microRNAs. 2016 , 24, 21-30	4
117	[Digital droplet PCR - a prospective technological approach to quantitative profiling of microRNA]. 2016 , 62, 403-10	6
116	MicroRNAs in Lipid Metabolism and Atherosclerosis. 2014 , 6, 3	2
115	Long non-coding RNA MALAT1 exacerbates acute respiratory distress syndrome by upregulating ICAM-1 expression via microRNA-150-5p downregulation. 2020 , 12, 6570-6585	16
114	Caloric restriction alleviates aging-related fibrosis of kidney through downregulation of miR-21 in extracellular vesicles. 2020 , 12, 18052-18072	13
113	Gonadal white adipose tissue-derived exosomal MiR-222 promotes obesity-associated insulin resistance. 2020 , 12, 22719-22743	9
112	Selective extracellular vesicle exclusion of miR-142-3p by oral cancer cells promotes both internal and extracellular malignant phenotypes. 2017 , 8, 15252-15266	47
111	Dietary miR-451 protects erythroid cells from oxidative stress via increasing the activity of Foxo3 pathway. 2017 , 8, 107109-107124	15
110	Stratifying risk of recurrence in stage II colorectal cancer using deregulated stromal and epithelial microRNAs. 2015 , 6, 7262-79	33

109	Direct quantitative detection for cell-free miR-155 in urine: a potential role in diagnosis and prognosis for non-muscle invasive bladder cancer. 2016 , 7, 3255-66	33
108	Extracellular miR-1246 promotes lung cancer cell proliferation and enhances radioresistance by directly targeting DR5. 2016 , 7, 32707-22	66
107	Exosomes and Lung Cancer: Roles in Pathophysiology, Diagnosis and Therapeutic Applications. 2021 , 28, 308-328	28
106	Extracellular Vesicles as Drug Delivery Systems - Methods of Production and Potential Therapeutic Applications. 2019 , 25, 132-154	28
105	Circulating miRNAs in Successful and Unsuccessful Aging. A Mini-review. 2019 , 25, 4150-4153	7
104	MicroRNA: Promising Roles in Cancer Therapy. 2020 , 21, 1186-1203	8
103	miR-15b and miR-21 as Circulating Biomarkers for Diagnosis of Glioma. 2015 , 16, 304-11	59
102	Exosome as a Natural Gene Delivery Vector for Cancer Treatment. 2020 , 20, 821-830	4
101	Therapeutic Potential of Modulating MicroRNA in Peripheral Artery Disease. 2015 , 13, 316-23	21
100	Research Progress of Exogenous Plant MiRNAs in Cross-Kingdom Regulation. 2019 , 14, 241-245	4
99	miR-30a Enriched Colostrum-Fraction Can Inhibit The DDP-induced Autophagy of HeLa Cells and Promote The Tumor Shrink*. 2012 , 39, 1099-1108	1
98	Liquid biopsy of gastric cancer patients: circulating tumor cells and cell-free nucleic acids. 2014 , 20, 3265-86	49
97	Circulating microRNAs as diagnostic and prognostic tools for hepatocellular carcinoma. 2015 , 21, 9853-62	57
96	Pancreatic cancer stem cell markers and exosomes - the incentive push. 2016 , 22, 5971-6007	55
95	Circulating exosomal miRNAs as potential biomarkers for Barrett's esophagus and esophageal adenocarcinoma. 2020 , 26, 2889-2901	10
94	Extracellular vesicles in renal physiology and clinical applications for renal disease. 2019 , 34, 470-479	12
93	The gene and microRNA networks of stem cells and reprogramming. 2018 , 2, 238-245	1
92	Pancreatic cancer diagnosis by free and exosomal miRNA. 2013 , 4, 74-90	63

91	Effects of microRNA-106 on proliferation of gastric cancer cell through regulating p21 and E2F5. 2013 , 14, 2839-43	27
90	The extracellular vesicles secreted by lung cancer cells in radiation therapy promote endothelial cell angiogenesis by transferring miR-23a. 2017 , 5, e3627	30
89	EVs delivery of miR-1915-3p improves the chemotherapeutic efficacy of oxaliplatin in colorectal cancer. 2021 , 88, 1021-1031	3
88	Higher Urine Exosomal miR-193a Is Associated With a Higher Probability of Primary Focal Segmental Glomerulosclerosis and an Increased Risk of Poor Prognosis Among Children With Nephrotic Syndrome. 2021 , 9, 727370	2
87	Mechanisms of Action of MiRNAs and LncRNAs in Extracellular Vesicle in Atherosclerosis. 2021 , 8, 733985	4
86	RNA Wave for the HIV Therapy: Foods, Stem Cells and the RNA Information Gene. 2013 , 03, 131-146	1
85	Thermodynamically Stable RNA Three-Way Junction for Constructing Multifunctional Nanoparticles for Delivery of Therapeutics. 2013 , 381-406	1
84	Cell-free microRNAs as Biomarkers in Human Diseases. 363-387	
83	Microvesicular Transfer of MicroRNA in Tumor Microenvironment. 2014 , 327-348	
82	Searching for Cancer Biomarkers in Human Body Fluids. 2014 , 305-326	
81	The Role of Exosomes and its Cargos in Drug Resistance of Cancer. 2015 , 4, 179-187	
80	Cell Morphology Modified by Biomaterial Induces miR-21 Expression and Apoptosis. 2016 , 04, 42-48	1
79	Simvastatin mediates inhibition of exosome synthesis, localization and secretion via multicomponent interventions.	
78	Phospho-sRNA-seq reveals extracellular mRNA/lncRNA fragments as potential biomarkers in human plasma.	
77	Extracellular RNA in human health and disease. 2020 , 139-161	
76	Glomerular Endothelial Cell-Derived microRNA-192 Regulates Nephronectin Expression in Idiopathic Membranous Glomerulonephritis. 2021 , 32, 2777-2794	2
75	Extracellular/circulating microRNAs and their potential role in cardiovascular disease. 2011 , 1, 138-149	129
74	Optical imaging of tumor microenvironment. 2013 , 3, 1-15	29

73	Therapeutic Potential of Modulating microRNAs in Atherosclerotic Vascular Disease. 2013 ,	2
72	Leukemia cell microvesicles promote survival in umbilical cord blood hematopoietic stem cells. 2015 , 14, 423-9	12
71	The emerging role of extracellular vesicle-derived miRNAs: implication in cancer progression and stem cell related diseases. 2016 , 2,	29
70	Selection of microRNAs in extracellular vesicles for diagnosis of malignant pleural mesothelioma by in vitro analysis. 2020 , 44, 2198-2210	
69	Extracellular Vesicle-Shuttling MicroRNAs Regulate the Development of Inflammatory Lung Responses. 2018 , 1, 1-4	1
68	Impact of the Main Cardiovascular Risk Factors on Plasma Extracellular Vesicles and Their Influence on the Heart's Vulnerability to Ischemia-Reperfusion Injury.. 2021 , 10,	2
67	Exosomal miR-19a decreases insulin production by targeting Neurod1 in pancreatic cancer associated diabetes. 2021 , 1	0
66	Usefulness and Possibility of Extracellular Vesicles in Diagnosis. 2021 , 34, 187-193	
65	Diagnostic Potential of Exosomal HypoxamiRs in the Context of Hypoxia-Sumoylation-HypoxamiRs in Early Onset Preeclampsia at the Preclinical Stage.. 2022 , 12,	
64	Selection of microRNAs in extracellular vesicles for diagnosis of malignant pleural mesothelioma by in vitro analysis. 2020 , 44, 2198-2210	0
63	miR-150-5p affects AS plaque with ASMC proliferation and migration by STAT1. 2021 , 16, 1642-1652	1
62	Colorectal Cancer-Derived Small Extracellular Vesicles Promote Tumor Immune Evasion by Upregulating PD-L1 Expression in Tumor-Associated Macrophages.. 2022 , e2102620	5
61	Exosomes in cardiovascular diseases: a blessing or a sin for the mankind.. 2022 , 477, 833	0
60	Circulating miRNAs as biomarkers for noninvasive cancer diagnosis. 2022 , 71-112	1
59	Integrative biology of extracellular vesicles in diabetes mellitus and diabetic complications.. 2022 , 12, 1342-1372	2
58	The role of exosomal miRNA in nonalcoholic fatty liver disease.. 2022 ,	0
57	Dissecting miRNA-Gene Networks to Map Clinical Utility Roads of Pharmacogenomics-Guided Therapeutic Decisions in Cardiovascular Precision Medicine.. 2022 , 11,	1
56	Harnessing the Therapeutic Potential of Extracellular Vesicles for Biomedical Applications Using Multifunctional Magnetic Nanomaterials.. 2022 , e2104783	5

- 55 Visualized Tracking of Tumor-Derived Extracellular Vesicles Using CRISPR-Cas9 System.. **2022**, 21, 15330338221085370
- 54 MicroRNAs and Extracellular Vesicles for Diagnosis of ARDS: Can MicroRNAs and Extracellular Vesicles Be Helpful for Early Diagnosis or Risk Evaluation of ARDS?. **2022**, 147-158
- 53 Some Aspects of Oxidative StressInduced Prostate Cancer Therapy. **2022**, 1-21
- 52 Cytokines, miRNAs, and Antioxidants as Combined Non-invasive Biomarkers for Parkinson's Disease.. **2022**, 1 1
- 51 Molecular functions and therapeutic applications of exosomal noncoding RNAs in cancer.. **2022**, 2
- 50 The Role of Extracellular Non-coding RNAs in Atherosclerosis.. **2022**, 1 0
- 49 MicroRNAs as Biomarkers for Ionizing Radiation Injury.. **2022**, 10, 861451 1
- 48 Extracellular Vesicles from PRPF31+/IPSC-Derived RPE Have a Distinct RNA Profile Compared to Those From Healthy RPE.
- 47 Circulating microRNAs in Medicine.. **2022**, 23, 1
- 46 Exosome microRNAs in Metabolic Syndrome as Tools for the Early Monitoring of Diabetes and Possible Therapeutic Options.. **2021**, 14, 1
- 45 Targeting Inflammasome Activation in COVID-19: Delivery of RNA Interference-Based Therapeutic Molecules.. **2021**, 9, 1
- 44 MicroRNAs as Regulators of Phagocytosis.. **2022**, 11,
- 43 Plasma CD16 Extracellular Vesicles Associate with Carotid Artery Intima-Media Thickness in HIV Adults on Combination Antiretroviral Therapy.. **2022**, e0300521 0
- 42 Serum mitochondrial tsRNA serves as a novel biomarker for hepatocarcinoma diagnosis.. **2022**, 0
- 41 Table_1.docx. **2020**,
- 40 Circulating MicroRNAs as a New Class of Biomarkers of Physiological Reactions of the Organism to the Intake of Dietary Supplements and Drugs.. **2022**, 2
- 39 Exosomes and MicroRNAs in Biomedical Science. **2022**, 17, 1-175
- 38 Micro RNA s as Non-invasive Biomarkers of Toxicity and Chemical Hazard. **2022**, 7-35

- 37 miR-133a - a potential target for improving cardiac mitochondrial health and regeneration post injury.. **2022**,
- 36 MicroRNAs as Biomarkers. **2022**, 69-77
- 35 Nanomaterial-Based Drug Delivery System Targeting Lymph Nodes. **2022**, 14, 1372
- 34 Extracellular vesicles in bone homeostasis: key roles of physiological and pathological conditions.
- 33 Delayed Supplementation Strategy of Extracellular Vesicles from Adipose-Derived Mesenchymal Stromal Cells with Improved Proregenerative Efficiency in a Fat Transplantation Model. **2022**, 2022, 1-16
- 32 Research progress on the role of exosomes in obstructive sleep apnea-hypopnea syndrome-related atherosclerosis. **2022**, 66, 101696
- 31 A novel therapeutic strategy for alleviating atrial remodeling by targeting exosomal miRNAs in atrial fibrillation. **2022**, 1869, 119365
- 30 Some Aspects of Oxidative StressInduced Prostate Cancer Therapy. **2022**, 3307-3327
- 29 EVs and Communication. **2022**,
- 28 The extracellular vesicles. **2023**, 177-191
- 27 MicroRNA -150-5p is upregulated in the brain microvasculature during prenatal alcohol exposure and inhibits the angiogenic factor Vezf1.
- 26 Extracellular vesicles and their non-coding RNA cargos: Emerging players in cardiovascular disease.
- 25 The potential applications of microparticles in the diagnosis, treatment, and prognosis of lung cancer. **2022**, 20,
- 24 Extracellular vesicles as central regulators of blood vessel function in cancer. **2022**, 15,
- 23 Gastric cancer-derived exosomal miR-519a-3p promotes liver metastasis by inducing intrahepatic M2-like macrophage-mediated angiogenesis. **2022**, 41,
- 22 Multiomics and artificial intelligence enabled peripheral blood-based prediction of amnesic mild cognitive impairment. **2022**, 103367
- 21 Neuroprotective effect of endophytic fungal antioxidant polyphenols on cerebral ischemic stroke-induced Albino rats; memory impairments, brain damage, and upregulation of metabolic proteins. **2022**, 102433
- 20 Advances in studies of circulating microRNAs: origination, transportation, and distal target regulation.

- 19 A novel pathway of functional microRNA uptake and mitochondria delivery. ○
- 18 Construction of a mouse model that can be used for tissue-specific EV screening and tracing in vivo. ○
- 17 DNAJB6-Containing Extracellular Vesicles as Chaperone Delivery Systems: A Proteomic Analysis. ○
- 2022, 14, 2485
- 16 Exosomes-mediated tumor metastasis through reshaping tumor microenvironment and distant niche. ○
- 2023, 353, 327-336
- 15 Three-Dimensional Bio-Printed Cardiac Patch for Sustained Delivery of Extracellular Vesicles from the Interface. ○
- 2022, 8, 769
- 14 Comparison of Different Isolation Methods for Plasma-Derived Extracellular Vesicles in Patients with Hyperlipidemia. ○
- 2022, 12, 1942
- 13 Engineered Extracellular Vesicles in Treatment of Type 1 Diabetes Mellitus: A Prospective Review. ○
- 2022, 10, 3042
- 12 The role of miRNA-128 in the development and progression of gastrointestinal and urogenital cancer. ○
- 11 Nanomaterial-mediated Photoporation For Intracellular Delivery. ○
- 2022,
- 10 Identification and characterization of non-coding RNA networks in infected macrophages revealing the pathogenesis of F. nucleatum-associated diseases. ○
- 2022, 23,
- 9 Biomarkers as ecological indices in monitoring the status of market fish. ○
- 2023, 84,
- 8 Can Extracellular Vesicles as Drug Delivery Systems Be a Game Changer in Cardiac Disease?. ○
- 7 Therapeutic potentials of stem cell-derived exosomes in cardiovascular diseases. ○
- 153537022311519
- 6 Serum exosomes derived from spontaneously hypertensive rats induce cardiac hypertrophy in vitro and in vivo by increasing autocrine release of angiotensin II in cardiomyocytes. ○
- 2023, 210, 115462
- 5 Extracellular vesicle RNA signaling in the liver tumor microenvironment. ○
- 2023, 558, 216089
- 4 Elfimova. MicroRNA: a clinician's view of the state of the problem. Part 1. History of the issue. ○
- 2023, 100-107
- 3 Current advances in non-viral gene delivery systems: Liposomes versus extracellular vesicles. ○
- 2 Potential roles of microRNAs and long noncoding RNAs as diagnostic, prognostic and therapeutic biomarkers in coronary artery disease. ○
- 2023,

1

Proposal of a bioinformatics approach to predict molecular mechanisms involved in inflammatory response: case of ATRA and 1,25(OH)₂D in adipocytes. **2023**, 18,

o