

CITATION REPORT

List of articles citing

Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines

DOI: 10.1080/20013078.2018.1535750

Journal of Extracellular Vesicles, 2018, 7, 1535750.

Source: <https://exaly.com/paper-pdf/70395236/citation-report.pdf>

Version: 2024-04-23

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
2282	Tangential Flow Filtration for Highly Efficient Concentration of Extracellular Vesicles from Large Volumes of Fluid. 2018 , 7,		142
2281	Allogenicity Boosts Extracellular Vesicle-Induced Antigen-Specific Immunity and Mediates Tumor Protection and Long-Term Memory In Vivo. 2019 , 203, 825-834		8
2280	Tiotropium inhibits proinflammatory microparticle generation by human bronchial and endothelial cells. 2019 , 9, 11631		3
2279	Response to letter to the editor. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1599682	16.4	
2278	Regulation of Eicosanoid Pathways by MicroRNAs. 2019 , 10, 824		10
2277	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. 2019 , 10, 929		44
2276	Circadian variation in the release of small extracellular vesicles can be normalized by vesicle number or TSG101. 2019 , 317, F1098-F1110		19
2275	From squamous intraepithelial lesions to cervical cancer: Circulating microRNAs as potential biomarkers in cervical carcinogenesis. 2019 , 1872, 188306		19
2274	The functions and clinical application potential of exosomes derived from adipose mesenchymal stem cells: a comprehensive review. 2019 , 10, 242		92
2273	Exosome surface glycans reflect osteogenic differentiation of mesenchymal stem cells: Profiling by an evanescent field fluorescence-assisted lectin array system. 2019 , 9, 11497		15
2272	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. 2019 , 10, 1634		28
2271	Extracellular vesicles secreted by are involved in cell wall remodelling. 2019 , 2, 305		64
2270	Extracellular vesicles or exosomes? On primacy, precision, and popularity influencing a choice of nomenclature. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1648167	16.4	228
2269	Cell-derived extracellular vesicles can be used as a biomarker reservoir for glioblastoma tumor subtyping. 2019 , 2, 315		42
2268	Role of Horizontal Gene Transfer in Cancer Progression. 2019 , 399-425		
2267	Emergence of AnnexinVpos CD31neg CD42blow/neg extracellular vesicles in plasma of humans at extreme altitude. 2019 , 14, e0220133		4
2266	Generation and Function of Non-cell-bound CD73 in Inflammation. 2019 , 10, 1729		18

2265	Role of the Exosome in Ovarian Cancer Progression and Its Potential as a Therapeutic Target. 2019 , 11,	33
2264	Extracellular Vesicles as a Potential Therapy for Neonatal Conditions: State of the Art and Challenges in Clinical Translation. 2019 , 11,	19
2263	Role of Extracellular Vesicles in Renal Inflammation and Fibrosis. 2019 , 1165, 455-466	2
2262	Extracellular vesicles circulating in young organisms promote healthy longevity. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1656044	16.4 25
2261	Cisplatin-Resistance in Oral Squamous Cell Carcinoma: Regulation by Tumor Cell-Derived Extracellular Vesicles. 2019 , 11,	28
2260	The Challenges and Possibilities of Extracellular Vesicles as Therapeutic Vehicles. 2019 , 144, 50-56	27
2259	Clinical implications of extracellular vesicles in neurodegenerative diseases. 2019 , 19, 813-824	9
2258	Extracellular Vesicles in the Blood of Dogs with Cancer-A Preliminary Study. 2019 , 9,	4
2257	Extracellular miRNAs: From Biomarkers to Mediators of Physiology and Disease. 2019 , 30, 656-673	203
2256	Neurons-derived extracellular vesicles promote neural differentiation of ADSCs: a model to prevent peripheral nerve degeneration. 2019 , 9, 11213	14
2255	Effect of immunosuppression in miRNAs from extracellular vesicles of colorectal cancer and their influence on the pre-metastatic niche. 2019 , 9, 11177	5
2254	Extracellular Vesicles in Type 1 Diabetes: Messengers and Regulators. 2019 , 19, 69	7
2253	Vesicular-Bound HLA-G as a Predictive Marker for Disease Progression in Epithelial Ovarian Cancer. 2019 , 11,	12
2252	Clues to Non-Invasive Implantation Window Monitoring: Isolation and Characterisation of Endometrial Exosomes. 2019 , 8,	20
2251	Secretome of Adipose Tissue-Derived Stem Cells (ASCs) as a Novel Trend in Chronic Non-Healing Wounds: An Overview of Experimental In Vitro and In Vivo Studies and Methodological Variables. 2019 , 20,	31
2250	Natural melanoma-derived extracellular vesicles. 2019 , 59, 251-265	20
2249	An Update on Novel Therapeutic Warfronts of Extracellular Vesicles (EVs) in Cancer Treatment: Where We Are Standing Right Now and Where to Go in the Future. 2019 , 2019, 9702562	13
2248	Expression Profiling of Exosomal miRNAs Derived from the Peripheral Blood of Kidney Recipients with DGF Using High-Throughput Sequencing. 2019 , 2019, 1759697	7

2247	Overview of Extracellular Vesicles, Their Origin, Composition, Purpose, and Methods for Exosome Isolation and Analysis. 2019 , 8,	683
2246	Extracellular vesicles as a novel diagnostic and research tool for patients with HTN and kidney disease. 2019 , 317, F641-F647	9
2245	The biology of extracellular vesicles: The known unknowns. 2019 , 17, e3000363	234
2244	Large oncosomes overexpressing integrin alpha-V promote prostate cancer adhesion and invasion via AKT activation. 2019 , 38, 317	49
2243	Exosome-encapsulated microRNAs as promising biomarkers for Alzheimer's disease. 2019 , 31, 77-87	9
2242	Unravelling the Role of Trophoblastic-Derived Extracellular Vesicles in Regulatory T Cell Differentiation. 2019 , 20,	14
2241	Platelet-derived extracellular vesicles released after trauma promote hemostasis and contribute to DVT in mice. 2019 , 17, 1733-1745	16
2240	In Vitro Entero-Capillary Barrier Exhibits Altered Inflammatory and Exosomal Communication Pattern after Exposure to Silica Nanoparticles. 2019 , 20,	6
2239	Biological functions and clinical applications of exosomal non-coding RNAs in hepatocellular carcinoma. 2019 , 76, 4203-4219	30
2238	Urinary extracellular vesicles as a source of biomarkers reflecting renal cellular biology in human disease. 2019 , 154, 43-65	5
2237	Extracellular vesicles and their diagnostic potential in amyotrophic lateral sclerosis. 2019 , 497, 27-34	10
2236	Acetylcholinesterase is not a generic marker of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1628592	16.4 21
2235	Extracellular Vesicles in Cardiovascular Diseases: Alternative Biomarker Sources, Therapeutic Agents, and Drug Delivery Carriers. 2019 , 20,	53
2234	Glioma EVs Contribute to Immune Privilege in the Brain. 2019 , 5, 393-396	11
2233	Analysis of circulating non-coding RNAs in a non-invasive and cost-effective manner. 2019 , 117, 242-262	9
2232	Extracellular vesicles: Future diagnostic and therapeutic tools for liver disease and regeneration. 2019 , 39, 1801-1817	17
2231	Insight into the Role of Extracellular Vesicles in Lysosomal Storage Disorders. 2019 , 10,	26
2230	Mesenchymal Stem Cells Reduce Corneal Fibrosis and Inflammation via Extracellular Vesicle-Mediated Delivery of miRNA. 2019 , 8, 1192-1201	61

2229	Tumor-derived exosomes promote the in vitro osteotropism of melanoma cells by activating the SDF-1/CXCR4/CXCR7 axis. 2019 , 17, 230		29
2228	Extracellular vesicles from human bone marrow mesenchymal stem cells repair organ damage caused by cadmium poisoning in a medaka model. 2019 , 7, e14172		11
2227	Metabolic Nano-Machines: Extracellular Vesicles Containing Active Enzymes and Their Contribution to Liver Diseases. 2019 , 7, 119-127		2
2226	Label-Free Nanosensing Platform for Breast Cancer Exosome Profiling. 2019 , 4, 2073-2083		30
2225	Novel Aspects of Extracellular Vesicles as Mediators of Cancer-Associated Thrombosis. 2019 , 8,		20
2224	Conductance-Based Biophysical Distinction and Microfluidic Enrichment of Nanovesicles Derived from Pancreatic Tumor Cells of Varying Invasiveness. 2019 , 91, 10424-10431		21
2223	Evaluation of circulating small extracellular vesicles derived miRNAs as biomarkers of early colon cancer: a comparison with plasma total miRNAs. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1643670	16.4	91
2222	The generation and use of recombinant extracellular vesicles as biological reference material. 2019 , 10, 3288		54
2221	Re-thinking the Etiological Framework of Neurodegeneration. 2019 , 13, 728		32
2220	Metabolome of Exosomes: Focus on Vesicles Released by Cancer Cells and Present in Human Body Fluids. 2019 , 20,		41
2219	Dendritic cells and M2 macrophage play an important role in suppression of Th2-mediated inflammation by adipose stem cells-derived extracellular vesicles. 2019 , 39, 101500		16
2218	Endothelial Microvesicles Circulating in Peripheral and Coronary Circulation Are Associated With Central Blood Pressure in Coronary Artery Disease. 2019 , 32, 1199-1205		13
2217	Comparison of the RNA Content of Extracellular Vesicles Derived from and. 2019 , 8,		25
2216	Answers to naysayers regarding microbial extracellular vesicles. 2019 , 47, 1005-1012		28
2215	FZD10 Carried by Exosomes Sustains Cancer Cell Proliferation. 2019 , 8,		22
2214	An aptasensor based on upconversion nanoparticles as LRET donors for the detection of exosomes. 2019 , 298, 126900		19
2213	Refractive index to evaluate staining specificity of extracellular vesicles by flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1643671	16.4	28
2212	Ionizing Radiation Increases the Activity of Exosomal Secretory Pathway in MCF-7 Human Breast Cancer Cells: A Possible Way to Communicate Resistance against Radiotherapy. 2019 , 20,		45

2211	Extracellular Vesicles Released by Colorectal Cancer Cell Lines Modulate Innate Immune Response in Zebrafish Model: The Possible Role of Human Endogenous Retroviruses. 2019 , 20,	6
2210	Enhanced circulating levels of CD3 cells-derived extracellular vesicles in different forms of pulmonary hypertension. 2019 , 9, 2045894019864357	7
2209	Adipose-derived cellular and cell-derived regenerative therapies in dermatology and aesthetic rejuvenation. 2019 , 54, 100933	28
2208	Liquid Biopsy Approach for Pancreatic Ductal Adenocarcinoma. 2019 , 11,	30
2207	On the issue of transparency and reproducibility in nanomedicine. 2019 , 14, 629-635	92
2206	Extracellular vesicles of human pathogenic fungi. 2019 , 52, 90-99	26
2205	New insights into extracellular vesicle biogenesis and function. 2019 , 132,	102
2204	Retraction of "Multilegged Exosomal Walker for Electrochemical Detection of Exosomes". 2019 , 91, 16023	5
2203	Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease. 2020 , 221, 325-335	6
2202	Isolation and Analysis of Tumor-Derived Exosomes. 2019 , 127, e91	27
2201	Tangential flow microfluidics for the capture and release of nanoparticles and extracellular vesicles on conventional and ultrathin membranes. 2019 , 4, 1900539	28
2200	Plasma extracellular vesicles as phenotypic biomarkers in prostate cancer patients. 2019 , 79, 1767-1776	31
2199	Extracellular vesicles as a novel source of biomarkers in liquid biopsies for monitoring cancer progression and drug resistance. 2019 , 47, 100647	61
2198	Exosomes and STUB1/CHIP cooperate to maintain intracellular proteostasis. 2019 , 14, e0223790	6
2197	Bone marrow mesenchymal stem cell-derived exosomes attenuate D-GaIN/LPS-induced hepatocyte apoptosis by activating autophagy in vitro. 2019 , 13, 2887-2897	30
2196	Stem Cell-Derived Extracellular Vesicles and Kidney Regeneration. 2019 , 8,	44
2195	Ischemia Reperfusion Injury: Mechanisms of Damage/Protection and Novel Strategies for Cardiac Recovery/Regeneration. 2019 , 20,	33
2194	Tumour-Derived Extracellular Vesicles (EVs): A Dangerous "Message in A Bottle" for Bone. 2019 , 20,	16

2193	Impact of Chemotherapy on Extracellular Vesicles: Understanding the Chemo-EVs. 2019 , 9, 1113	20
2192	Small Extracellular Vesicles Released from Ovarian Cancer Spheroids in Response to Cisplatin Promote the Pro-Tumorigenic Activity of Mesenchymal Stem Cells. 2019 , 20,	15
2191	Concentrates of two subsets of extracellular vesicles from cow's milk modulate symptoms and inflammation in experimental colitis. 2019 , 9, 14661	22
2190	Raman profiling of circulating extracellular vesicles for the stratification of Parkinson's patients. 2019 , 22, 102097	16
2189	Promise of extracellular vesicles for diagnosis and treatment of epilepsy. 2021 , 121, 106499	15
2188	The State of Exosomes Research: A Global Visualized Analysis. 2019 , 2019, 1495130	18
2187	Radio-detoxified LPS alters bone marrow-derived extracellular vesicles and endothelial progenitor cells. 2019 , 10, 313	3
2186	Extracellular Vesicles as Natural, Safe and Efficient Drug Delivery Systems. 2019 , 11,	50
2185	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1684862	16.4 97
2184	Embryonic stem cell-derived extracellular vesicles enhance the therapeutic effect of mesenchymal stem cells. 2019 , 9, 6976-6990	25
2183	Injectable extracellular vesicle-released self-assembling peptide nanofiber hydrogel as an enhanced cell-free therapy for tissue regeneration. 2019 , 316, 93-104	38
2182	Serum milk fat globule-EGF factor 8 (MFG-E8) as a diagnostic and prognostic biomarker in patients with hepatocellular carcinoma. 2019 , 9, 15788	9
2181	Genetics and Extracellular Vesicles of Pediatrics Sleep Disordered Breathing and Epilepsy. 2019 , 20,	2
2180	Post-Translational Deimination of Immunological and Metabolic Protein Markers in Plasma and Extracellular Vesicles of Naked Mole-Rat (). 2019 , 20,	21
2179	A panel of miRNAs derived from plasma extracellular vesicles as novel diagnostic biomarkers of lung adenocarcinoma. 2019 , 9, 2149-2158	13
2178	Isolation and characterization of extracellular vesicles from Broncho-alveolar lavage fluid: a review and comparison of different methods. 2019 , 20, 240	69
2177	Secretome and Extracellular Vesicles as New Biological Therapies for Knee Osteoarthritis: A Systematic Review. 2019 , 8,	36
2176	Fast isolation of highly specific population of platelet-derived extracellular vesicles from blood plasma by affinity monolithic column, immobilized with anti-human CD61 antibody. 2019 , 1091, 160-168	18

2175	The roles of exosomal miRNAs and lncRNAs in lung diseases. 2019 , 4, 47	79
2174	Exosomes in Coronary Artery Disease. 2019 , 15, 2461-2470	18
2173	Exosomes from nicotine-stimulated macrophages accelerate atherosclerosis through miR-21-3p/PTEN-mediated VSMC migration and proliferation. 2019 , 9, 6901-6919	97
2172	Hypoxia Conditioned Mesenchymal Stem Cell-Derived Extracellular Vesicles Induce Increased Vascular Tube Formation. 2019 , 7, 292	57
2171	Targeting the Immune System With Mesenchymal Stromal Cell-Derived Extracellular Vesicles: What Is the Cargo's Mechanism of Action?. 2019 , 7, 308	23
2170	Lipid Profile Characterization and Lipoprotein Comparison of Extracellular Vesicles from Human Plasma and Serum. 2019 , 9,	16
2169	Microvesicles as new therapeutic targets for the treatment of the acute respiratory distress syndrome (ARDS). 2019 , 23, 931-941	2
2168	Extracellular vesicles in metabolic disease. 2019 , 62, 2179-2187	48
2167	Extracellular vesicles from endothelial progenitor cells prevent steroid-induced osteoporosis by suppressing the ferroptotic pathway in mouse osteoblasts based on bioinformatics evidence. 2019 , 9, 16130	17
2166	Circulating Exosomal miRNA Profiles Predict the Occurrence and Recurrence of Hepatocellular Carcinoma in Patients with Direct-Acting Antiviral-Induced Sustained Viral Response. 2019 , 7,	12
2165	Identification of miRNAs from stem cell derived microparticles in umbilical cord blood. 2019 , 80, 21-26	3
2164	Electroporation of outer membrane vesicles derived from <i>Pseudomonas aeruginosa</i> with gold nanoparticles. 2019 , 1, 1	13
2163	Extracellular Vesicle-derived circular RNAs confers chemoresistance in Colorectal cancer. 2019 , 9, 16497	64
2162	Plant sphingolipids promote extracellular vesicle release and alleviate amyloid- β pathologies in a mouse model of Alzheimer's disease. 2019 , 9, 16827	11
2161	Syncytiotrophoblast-Derived Extracellular Vesicles in Pathophysiology of Preeclampsia. 2019 , 10, 1236	16
2160	Extracellular vesicles in urologic malignancies-Implementations for future cancer care. 2019 , 52, e12659	16
2159	Human Endometrial Extracellular Vesicles Functionally Prepare Human Trophectoderm Model for Implantation: Understanding Bidirectional Maternal-Embryo Communication. 2019 , 19, e1800423	34
2158	Exosomal miRNA: Small Molecules, Big Impact in Colorectal Cancer. 2019 , 2019, 8585276	21

2157	Small extracellular vesicles convey the stress-induced adaptive responses of melanoma cells. 2019 , 9, 15329		29
2156	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1670935	16.4	10
2155	Unravelling tumour heterogeneity by single-cell profiling of circulating tumour cells. 2019 , 19, 553-567		201
2154	An integrated microfluidic system for on-chip enrichment and quantification of circulating extracellular vesicles from whole blood. 2019 , 19, 3305-3315		32
2153	Considerations towards a roadmap for collection, handling and storage of blood extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1647027	16.4	48
2152	Mapping Subpopulations of Cancer Cell-Derived Extracellular Vesicles and Particles by Nano-Flow Cytometry. 2019 , 13, 10499-10511		76
2151	SILAC-Based Quantification of TGFBR2-Regulated Protein Expression in Extracellular Vesicles of Microsatellite Unstable Colorectal Cancers. 2019 , 20,		8
2150	Multiplex isolation and profiling of extracellular vesicles using a microfluidic DICE device. 2019 , 144, 5785-5793		10
2149	Extracellular vesicles-based drug delivery system for cancer treatment. 2019 , 6, 1635806		30
2148	Inflammation potentiates miR-939 expression and packaging into small extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1650595	16.4	25
2147	T-cell-derived extracellular vesicles regulate B-cell IgG production pyruvate kinase muscle isozyme 2. 2019 , 33, 12780-12799		6
2146	Proteomic profiling of extracellular vesicles allows for human breast cancer subtyping. 2019 , 2, 325		64
2145	The Role of Exosomes in Pancreatic Cancer. 2019 , 20,		29
2144	An EV-Associated Gene Signature Correlates with Hypoxic Microenvironment and Predicts Recurrence in Lung Adenocarcinoma. 2019 , 17, 879-890		7
2143	Exosomes in the Repair of Bone Defects: Next-Generation Therapeutic Tools for the Treatment of Nonunion. 2019 , 2019, 1983131		13
2142	Exosomal miRNAs in Lung Diseases: From Biologic Function to Therapeutic Targets. 2019 , 8,		40
2141	The Role of Extracellular Vesicles in Viral Infection and Transmission. 2019 , 7,		75
2140	Tumor-Derived Extracellular Vesicles Breach the Intact Blood-Brain Barrier Transcytosis. 2019 , 13, 13853-13865	67	

2139	Molecular Targets of Aspirin and Prevention of Preeclampsia and Their Potential Association with Circulating Extracellular Vesicles during Pregnancy. 2019 , 20,		13
2138	Epstein-Barr virus ncRNA from a nasopharyngeal carcinoma induces an inflammatory response that promotes virus production. 2019 , 4, 2475-2486		19
2137	Detection of Mycobacterium tuberculosis lipoarabinomannan and CFP-10 (Rv3874) from urinary extracellular vesicles of tuberculosis patients by immuno-PCR. 2019 , 77,		13
2136	3D cell culture stimulates the secretion of in vivo like extracellular vesicles. 2019 , 9, 13012		68
2135	Exosomes in head and neck cancer. Updating and revisiting. 2019 , 34, 1641-1651		10
2134	DNA analysis of low- and high-density fractions defines heterogeneous subpopulations of small extracellular vesicles based on their DNA cargo and topology. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1656993	16.4	69
2133	Airway Epithelial Cells Generate Pro-inflammatory Tenascin-C and Small Extracellular Vesicles in Response to TLR3 Stimuli and Rhinovirus Infection. 2019 , 10, 1987		26
2132	Stem cell derived exosomes: microRNA therapy for age-related musculoskeletal disorders. 2019 , 224, 119492		28
2131	The multi-factorial nature of clinical multidrug resistance in cancer. 2019 , 46, 100645		155
2130	Glioblastoma-Associated Microglia Reprogramming Is Mediated by Functional Transfer of Extracellular miR-21. 2019 , 28, 3105-3119.e7		89
2129	Comprehensive proteomic profiling of plasma-derived Extracellular Vesicles from dementia with Lewy Bodies patients. 2019 , 9, 13282		10
2128	Extracellular vesicles in host-pathogen interactions and immune regulation - exosomes as emerging actors in the immunological theater of pregnancy. 2019 , 5, e02355		26
2127	Long Noncoding RNA-Enriched Vesicles Secreted by Hypoxic Cardiomyocytes Drive Cardiac Fibrosis. 2019 , 18, 363-374		44
2126	Deep-Learning-Based Segmentation of Small Extracellular Vesicles in Transmission Electron Microscopy Images. 2019 , 9, 13211		19
2125	Insights into the Secretome of Mesenchymal Stem Cells and Its Potential Applications. 2019 , 20,		94
2124	Journal of extracellular vesicles: the seven year itch!. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1654729	16.4	9
2123	Emerging role of extracellular vesicles in liver diseases. 2019 , 317, G739-G749		24
2122	Optimal Isolation Method of Small Extracellular Vesicles from Rat Plasma. 2019 , 20,		5

21121	Increased Plasmatic Levels of PSA-Expressing Exosomes Distinguish Prostate Cancer Patients from Benign Prostatic Hyperplasia: A Prospective Study. 2019 , 11,	35
21120	Challenges in Exosome Isolation and Analysis in Health and Disease. 2019 , 20,	146
21119	Isolation and Characterization of Extracellular Vesicles from Keratinocyte Cultures. 2020 , 2109, 35-44	1
21118	Exploratory study on microRNA profiles from plasma-derived extracellular vesicles in Alzheimer's disease and dementia with Lewy bodies. 2019 , 8, 31	55
21117	Technical challenges for extracellular vesicle research towards clinical translation. 2019 , 40, 3359-3360	2
21116	Development of DNA-anchored assembly of small extracellular vesicle for efficient antigen delivery to antigen presenting cells. 2019 , 225, 119518	14
21115	Plasma extracellular vesicle microRNAs for pulmonary ground-glass nodules. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1663666	16.4 18
21114	Primary prostate cancer educates bone stroma through exosomal pyruvate kinase M2 to promote bone metastasis. 2019 , 216, 2883-2899	74
21113	Linkage between endosomal escape of LNP-mRNA and loading into EVs for transport to other cells. 2019 , 10, 4333	92
21112	Role of Extracellular Vesicles (EVs) in Cell Stress Response and Resistance to Cancer Therapy. 2019 , 11,	53
21111	Extracellular Vesicles as Vehicles for the Delivery of Food Bioactives. 2019 , 67, 2113-2119	9
21110	Detecting ovarian cancer using extracellular vesicles: progress and possibilities. 2019 , 47, 295-304	15
21109	Thrombin Generation and Cancer: Contributors and Consequences. 2019 , 11,	30
21108	Extracellular Vesicle Quantification and Characterization: Common Methods and Emerging Approaches. 2019 , 6,	141
21107	Changes of Circulating Extracellular Vesicles from the Liver after Roux-en-Y Bariatric Surgery. 2019 , 20,	9
21106	Application of Microfluidic Chips in Separation and Analysis of Extracellular Vesicles in Liquid Biopsy for Cancer. 2019 , 10,	14
21105	Colorectal cancer-derived extracellular vesicles induce transformation of fibroblasts into colon carcinoma cells. 2019 , 38, 257	20
21104	Biology and Role of Extracellular Vesicles (EVs) in the Pathogenesis of Thrombosis. 2019 , 20,	72

2103	Delivery of microRNAs by Extracellular Vesicles in Viral Infections: Could the News be Packaged?. 2019 , 8,	24
2102	Emerging roles of extracellular vesicles in neurodegenerative disorders. 2019 , 130, 104512	52
2101	Ovarian cancer-derived exosomes promote tumour metastasis : an effect modulated by the invasiveness capacity of their originating cells. 2019 , 133, 1401-1419	14
2100	Extracellular vesicles in type 2 diabetes mellitus: key roles in pathogenesis, complications, and therapy. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1625677	16.4 46
2099	Toward standardization of assays measuring extracellular vesicle-associated tissue factor activity. 2019 , 17, 1261-1264	7
2098	Small Extracellular Vesicles Are Key Regulators of Non-cell Autonomous Intercellular Communication in Senescence via the Interferon Protein IFITM3. 2019 , 27, 3956-3971.e6	101
2097	High throughput sequencing identifies breast cancer-secreted exosomal LncRNAs initiating pulmonary pre-metastatic niche formation. 2019 , 710, 258-264	17
2096	Tunneling nanotubes: A bridge for heterogeneity in glioblastoma and a new therapeutic target?. 2019 , 2, e1185	11
2095	Macrophage-derived exosome-mimetic hybrid vesicles for tumor targeted drug delivery. 2019 , 94, 482-494	118
2094	Hematological Malignancy-Derived Small Extracellular Vesicles and Tumor Microenvironment: The Art of Turning Foes into Friends. 2019 , 8,	17
2093	Different Types of Cellular Stress Affect the Proteome Composition of Small Extracellular Vesicles: A Mini Review. 2019 , 7,	20
2092	Scalable Production and Isolation of Extracellular Vesicles: Available Sources and Lessons from Current Industrial Bioprocesses. 2019 , 14, e1800528	32
2091	Placental extracellular vesicles express active dipeptidyl peptidase IV; levels are increased in gestational diabetes mellitus. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1617000	16.4 28
2090	Nanoplasmonic Approaches for Sensitive Detection and Molecular Characterization of Extracellular Vesicles. 2019 , 7, 279	44
2089	The Role of Extracellular Vesicles as Modulators of the Tumor Microenvironment, Metastasis and Drug Resistance in Colorectal Cancer. 2019 , 11,	29
2088	Taxol-Loaded MSC-Derived Exosomes Provide a Therapeutic Vehicle to Target Metastatic Breast Cancer and Other Carcinoma Cells. 2019 , 11,	92
2087	Advances in biomarker detection: Alternative approaches for blood-based biomarker detection. 2019 , 92, 141-199	8
2086	Extracellular vesicles from cod (<i>Gadus morhua</i> L.) mucus contain innate immune factors and deiminated protein cargo. 2019 , 99, 103397	23

2085	High-affinity peptide ligand LXY30 for targeting β_1 integrin in non-small cell lung cancer. 2019 , 12, 56	13
2084	Extracellular Vesicles in Glioma: From Diagnosis to Therapy. 2019 , 41, e1800245	30
2083	Emerging role of extracellular vesicles in the regulation of skeletal muscle adaptation. 2019 , 127, 645-653	8
2082	Comparing small urinary extracellular vesicle purification methods with a view to RNA sequencing-Enabling robust and non-invasive biomarker research. 2019 , 17, 100089	28
2081	Deiminated proteins in extracellular vesicles and plasma of nurse shark (<i>Ginglymostoma cirratum</i>) - Novel insights into shark immunity. 2019 , 92, 249-255	21
2080	Cancer Cell Derived Small Extracellular Vesicles Contribute to Recipient Cell Metastasis Through Promoting HGF/c-Met Pathway. 2019 , 18, 1619-1629	22
2079	Extracellular vesicle microRNA quantification from plasma using an integrated microfluidic device. 2019 , 2, 189	47
2078	Extracellular Vesicles From KSHV-Infected Cells Stimulate Antiviral Immune Response Through Mitochondrial DNA. 2019 , 10, 876	19
2077	-Derived Lipids in Extracellular Vesicles: Potential Agonists for Eosinophilic Tissue Repair. 2019 , 10, 1010	9
2076	Analysis of extracellular vesicles generated from monocytes under conditions of lytic cell death. 2019 , 9, 7538	22
2075	Biomarkers of Nutrition and Health: New Tools for New Approaches. 2019 , 11,	85
2074	Aptamer-based fluorescence polarization assay for separation-free exosome quantification. 2019 , 11, 10106-10113	46
2073	Advances in therapeutic applications of extracellular vesicles. 2019 , 11,	343
2072	ALK4/5-dependent TGF- β signaling contributes to the crosstalk between neurons and microglia following axonal lesion. 2019 , 9, 6896	6
2071	Comparison of Proteome Composition of Serum Enriched in Extracellular Vesicles Isolated from Polycythemia Vera Patients and Healthy Controls. 2019 , 7,	12
2070	Moving beyond size and phosphatidylserine exposure: evidence for a diversity of apoptotic cell-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1608786	16.4 42
2069	Basics and applications of tumor-derived extracellular vesicles. 2019 , 26, 35	27
2068	Melanoma-Derived Extracellular Vesicles: Focus on Their Proteome. 2019 , 7,	14

2067	Diversity and heterogeneity of extracellular RNA in human plasma. 2019 , 164, 22-36		16
2066	Microparticles and cardiovascular diseases. 2019 , 51, 193-223		19
2065	release of MVB-like small extracellular vesicle clusters by colorectal carcinoma cells. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1596668	16.4	13
2064	Exosomes from N-Myc amplified neuroblastoma cells induce migration and confer chemoresistance to non-N-Myc amplified cells: implications of intra-tumour heterogeneity. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1597614	16.4	37
2063	Metastatic Niches and the Modulatory Contribution of Mesenchymal Stem Cells and Its Exosomes. 2019 , 20,		8
2062	Extracellular Vesicles as Biological Shuttles for Targeted Therapies. 2019 , 20,		44
2061	Neural stem cell-derived small extracellular vesicles attenuate apoptosis and neuroinflammation after traumatic spinal cord injury by activating autophagy. 2019 , 10, 340		95
2060	Extracellular Vesicles: Delivery Vehicles of Myokines. 2019 , 10, 522		46
2059	Functional analysis of miR-21-3p, miR-30b-5p and miR-150-5p shuttled by extracellular vesicles from diabetic subjects reveals their association with diabetic retinopathy. 2019 , 184, 56-63		19
2058	Osteoblast-Derived Vesicle Protein Content Is Temporally Regulated During Osteogenesis: Implications for Regenerative Therapies. 2019 , 7, 92		8
2057	Endothelial cell-derived small extracellular vesicles suppress cutaneous wound healing through regulating fibroblasts autophagy. 2019 , 133,		15
2056	Defining mesenchymal stromal cell (MSC)-derived small extracellular vesicles for therapeutic applications. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1609206	16.4	227
2055	Isolation and Characterization of Small Extracellular Vesicles from Porcine Blood Plasma, Cerebrospinal Fluid, and Seminal Plasma. 2019 , 7,		23
2054	Organotropic drug delivery: Synthetic nanoparticles and extracellular vesicles. 2019 , 21, 46		41
2053	Label-Free Surface Protein Profiling of Extracellular Vesicles by an Electrokinetic Sensor. 2019 , 4, 1399-1408		30
2052	Proteomic characterisation of leech microglia extracellular vesicles (EVs): comparison between differential ultracentrifugation and Optiprep [®] density gradient isolation. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1603048	16.4	23
2051	Analysis of a nanoparticle-enriched fraction of plasma reveals miRNA candidates for Down syndrome pathogenesis. 2019 , 43, 2303-2318		13
2050	Extracellular Vesicles in the Oviduct: Progress, Challenges and Implications for the Reproductive Success. 2019 , 6,		34

2049	Extracellular vesicles in lung health, disease, and therapy. 2019 , 316, L977-L989		23
2048	The role of donor-derived exosomes in lung allograft rejection. 2019 , 80, 588-594		8
2047	Fungal Extracellular Vesicles with a Focus on Proteomic Analysis. 2019 , 19, e1800232		35
2046	Detection of Inflammation-Related Melanoma Small Extracellular Vesicle (sEV) mRNA Content Using Primary Melanocyte sEVs as a Reference. 2019 , 20,		10
2045	Clinical Cancer Nanomedicine. 2019 , 25, 85-98		200
2044	Extracellular microRNAs exhibit sequence-dependent stability and cellular release kinetics. 2019 , 16, 696-706		18
2043	Diagnostic and prognostic biomarkers in cholangiocarcinoma. 2019 , 39 Suppl 1, 108-122		53
2042	Identification of miRNA Reference Genes in Extracellular Vesicles from Adipose Derived Mesenchymal Stem Cells for Studying Osteoarthritis. 2019 , 20,		25
2041	Extracellular Vesicles from Thyroid Carcinoma: The New Frontier of Liquid Biopsy. 2019 , 20,		21
2040	Exosomes in the tumor microenvironment as mediators of cancer therapy resistance. 2019 , 18, 32		166
2039	WNT3a and WNT5a Transported by Exosomes Activate WNT Signaling Pathways in Human Cardiac Fibroblasts. 2019 , 20,		34
2038	Neuroimmune Crosstalk through Extracellular Vesicles in Health and Disease. 2019 , 42, 361-372		72
2037	Highlights of the mini-symposium on extracellular vesicles in inter-organismal communication, held in Munich, Germany, August 2018. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1590116	16.4	12
2036	A Pilot Clinical Study on the Prognostic Relevance of Plasmatic Exosomes Levels in Oral Squamous Cell Carcinoma Patients. 2019 , 11,		41
2035	The emerging clinical potential of circulating extracellular vesicles for non-invasive glioma diagnosis and disease monitoring. 2019 , 36, 29-39		17
2034	Milk MicroRNAs in Health and Disease. 2019 , 18, 703-722		49
2033	Extracellular vesicles in pulmonary hypertension: lessons from mesenchymal stromal cell-derived exosomes. 2019 , 316, L720-L722		1
2032	: A Model for Studying the Extracellular Vesicle Messengers Involved in Human Health and Disease. 2019 , 8,		10

2031	Emerging role of extracellular vesicles in lung injury and inflammation. 2019 , 113, 108748		31
2030	Extracellular Vesicles as Diagnostics and Therapeutics for Structural Epilepsies. 2019 , 20,		12
2029	NanoBioAnalytical characterization of extracellular vesicles in 75-nm nanofiltered human plasma for transfusion: A tool to improve transfusion safety. 2019 , 20, 101977		6
2028	Connecting Exosomes and Connexins. 2019 , 11,		11
2027	Actively targeted nanocarriers for drug delivery to cancer cells. 2019 , 16, 481-496		34
2026	Extracellular RNA in viral-host interactions: Thinking outside the cell. 2019 , 10, e1535		10
2025	Routine Blood Tests Do Not Predict Survival in Patients with Glioblastoma-Multivariable Analysis of 497 Patients. 2019 , 126, e1081-e1091		9
2024	Extracellular Vesicle as a Source of Alzheimer's Biomarkers: Opportunities and Challenges. 2019 , 20,		50
2023	A new level of complexity in parasite-host interaction: The role of extracellular vesicles. 2019 , 104, 39-112		15
2022	Cushioned-Density Gradient Ultracentrifugation (C-DGUC) improves the isolation efficiency of extracellular vesicles. 2019 , 14, e0215324		29
2021	Tumor-Derived Extracellular Vesicles Require β Integrins to Promote Anchorage-Independent Growth. 2019 , 14, 199-209		18
2020	Extracellular vesicle measurements with nanoparticle tracking analysis - An accuracy and repeatability comparison between NanoSight NS300 and ZetaView. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1596016	16.4	166
2019	Metabolic signature of extracellular vesicles depends on the cell culture conditions. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1596669	16.4	60
2018	Extracellular Vesicles Released by Allogeneic Human Cardiac Stem/Progenitor Cells as Part of Their Therapeutic Benefit. 2019 , 8, 911-924		11
2017	Interaction with hyaluronan matrix and miRNA cargo as contributors for in vitro potential of mesenchymal stem cell-derived extracellular vesicles in a model of human osteoarthritic synoviocytes. 2019 , 10, 109		35
2016	Comparative analysis of exosome isolation methods using culture supernatant for optimum yield, purity and downstream applications. 2019 , 9, 5335		229
2015	Exosomes on the border of species and kingdom intercommunication. 2019 , 210, 80-98		14
2014	The Therapeutic Potential of Mesenchymal Stromal Cells in the Treatment of Chemotherapy-Induced Tissue Damage. 2019 , 15, 356-373		13

2013	exRNA Atlas Analysis Reveals Distinct Extracellular RNA Cargo Types and Their Carriers Present across Human Biofluids. 2019 , 177, 463-477.e15		144
2012	There Is Selective Increase in Pro-thrombotic Circulating Extracellular Vesicles in Acute Ischemic Stroke and Transient Ischemic Attack: A Study of Patients From the Middle East and Southeast Asia. 2019 , 10, 251		10
2011	Exosomes as Drug Carriers for Cancer Therapy. 2019 , 16, 1789-1798		83
2010	Apoptotic cell-derived extracellular vesicles: structure-function relationships. 2019 , 47, 509-516		11
2009	Optimisation of imaging flow cytometry for the analysis of single extracellular vesicles by using fluorescence-tagged vesicles as biological reference material. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1587567	16.4	128
2008	Clinical requirements for extracellular vesicle assays. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1593755	16.4	43
2007	Protein Composition Reflects Extracellular Vesicle Heterogeneity. 2019 , 19, e1800167		57
2006	Liquid Biopsies in Cancer Diagnosis, Monitoring, and Prognosis. 2019 , 40, 172-186		222
2005	Differential miRNA Loading Underpins Dual Harmful and Protective Roles for Extracellular Vesicles in Atherogenesis. 2019 , 124, 467-469		10
2004	Recent advances in extracellular vesicle research for urological cancers: From technology to application. 2019 , 1871, 342-360		9
2003	MSC exosomes alleviate temporomandibular joint osteoarthritis by attenuating inflammation and restoring matrix homeostasis. 2019 , 200, 35-47		171
2002	Ticket to a bubble ride: Cargo sorting into exosomes and extracellular vesicles. 2019 , 1867, 140203		93
2001	Activated Extracellular Vesicles as New Therapeutic Targets?. 2019 , 29, 276-278		1
2000	Human primary macrophages scavenge AuNPs and eliminate it through exosomes. A natural shuttling for nanomaterials. 2019 , 137, 23-36		32
1999	Raman spectroscopy as a quick tool to assess purity of extracellular vesicle preparations and predict their functionality. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1568780	16.4	46
1998	An update on extracellular vesicles in multiple myeloma: a focus on their role in cell-to-cell cross-talk and as potential liquid biopsy biomarkers. 2019 , 19, 249-258		16
1997	Interorgan communication by exosomes, adipose tissue, and adiponectin in metabolic syndrome. 2019 , 129, 4041-4049		83
1996	TGFBR2-dependent alterations of microRNA profiles in extracellular vesicles and parental colorectal cancer cells. 2019 , 55, 925-937		6

1995	Where Metabolism Meets Senescence: Focus on Endothelial Cells. 2019 , 10, 1523		56
1994	A miRNA signature in endothelial cell-derived extracellular vesicles in tumor-bearing mice. 2019 , 9, 16743		8
1993	Single molecule characterization of individual extracellular vesicles from pancreatic cancer. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1685634	16.4	28
1992	Metabolomics Applied to the Study of Extracellular Vesicles. 2019 , 9,		39
1991	Extracellular vesicle-based drug delivery systems for cancer treatment. 2019 , 9, 8001-8017		118
1990	Specific trophoblast transcripts transferred by extracellular vesicles affect gene expression in endometrial epithelial cells and may have a role in embryo-maternal crosstalk. 2019 , 17, 146		19
1989	Extracellular Vesicles and Neurodegenerative Diseases. 2019 , 39, 9269-9273		93
1988	Chronic obstructive pulmonary disease (COPD) and lung cancer: common pathways for pathogenesis. 2019 , 11, S2155-S2172		33
1987	Extracellular vesicles and chronic inflammation during HIV infection. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1687275	16.4	30
1986	A comprehensive proteomics profiling identifies NRP1 as a novel identity marker of human bone marrow mesenchymal stromal cell-derived small extracellular vesicles. 2019 , 10, 401		11
1985	The Emerging Roles of Extracellular Vesicles in Osteosarcoma. 2019 , 9, 1342		20
1984	Extracellular Vesicles-Based Biomarkers Represent a Promising Liquid Biopsy in Endometrial Cancer. 2019 , 11,		16
1983	Association of Extracellular Vesicle Protein Cargo with Race and Clinical Markers of Mortality. 2019 , 9, 17582		8
1982	Functional proteins of mesenchymal stem cell-derived extracellular vesicles. 2019 , 10, 359		50
1981	Platelet-Derived Extracellular Vesicles as Target of Antiplatelet Agents. What Is the Evidence?. 2019 , 10, 1256		17
1980	Cross-Talk between Lipoproteins and Inflammation: The Role of Microvesicles. 2019 , 8,		10
1979	Platelet-derived- Extracellular Vesicles Promote Hemostasis and Prevent the Development of Hemorrhagic Shock. 2019 , 9, 17676		24
1978	Extracellular Vesicles-Connecting Kingdoms. 2019 , 20,		102

1977	NG2 as an Identity and Quality Marker of Mesenchymal Stem Cell Extracellular Vesicles. 2019 , 8,	11
1976	Extracellular vesicles and coagulation in blood from healthy humans revisited. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1688936	16.4 25
1975	NeuroEVs: Characterizing Extracellular Vesicles Generated in the Neural Domain. 2019 , 39, 9262-9268	17
1974	ZnO nanocrystals shuttled by extracellular vesicles as effective Trojan nano-horses against cancer cells. 2019 , 14, 2815-2833	27
1973	Dendritic cell extracellular vesicles. 2019 , 349, 213-249	23
1972	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. 2019 , 9, 17387	10
1971	miR302a and 122 are deregulated in small extracellular vesicles from ARPE-19 cells cultured with HO. 2019 , 9, 17954	10
1970	From Tumor Metastasis towards Cerebral Ischemia-Extracellular Vesicles as a General Concept of Intercellular Communication Processes. 2019 , 20,	4
1969	Cigarette Smoke Condensate Exposure Changes RNA Content of Extracellular Vesicles Released from Small Airway Epithelial Cells. 2019 , 8,	9
1968	Optimized Isolation of Extracellular Vesicles From Various Organic Sources Using Aqueous Two-Phase System. 2019 , 9, 19159	27
1967	Methods and efficacy of extracellular vesicles derived from mesenchymal stromal cells in animal models of disease: a preclinical systematic review protocol. 2019 , 8, 322	10
1966	Engineered Extracellular Vesicles as a Reliable Tool in Cancer Nanomedicine. 2019 , 11,	36
1965	Circulating Cancer Stem Cell-Derived Extracellular Vesicles as a Novel Biomarker for Clinical Outcome Evaluation. 2019 , 2019, 5879616	17
1964	Targeting β secretase triggers the selective enrichment of oligomeric APP-CTFs in brain extracellular vesicles from Alzheimer cell and mouse models. 2019 , 8, 35	20
1963	Cancer-derived small extracellular vesicles promote angiogenesis by heparin-bound, bevacizumab-insensitive VEGF, independent of vesicle uptake. 2019 , 2, 386	54
1962	Isolation of microglia-derived extracellular vesicles: towards miRNA signatures and neuroprotection. 2019 , 17, 119	18
1961	Extracellular Vesicles-Encapsulated MicroRNA-125b Produced in Genetically Modified Mesenchymal Stromal Cells Inhibits Hepatocellular Carcinoma Cell Proliferation. 2019 , 8,	25
1960	Cancer-Derived Extracellular Vesicle-Associated MicroRNAs in Intercellular Communication: One Cell's Trash Is Another Cell's Treasure. 2019 , 20,	23

1959	Extracellular vesicles containing oncogenic mutant β -catenin activate Wnt signalling pathway in the recipient cells. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1690217	16.4	45
1958	Exosomal Thrombospondin-1 Disrupts the Integrity of Endothelial Intercellular Junctions to Facilitate Breast Cancer Cell Metastasis. 2019 , 11,		18
1957	Circulating Extracellular Vesicles Containing Xenobiotic Metabolizing CYP Enzymes and Their Potential Roles in Extrahepatic Cells Via Cell-Cell Interactions. 2019 , 20,		18
1956	Discussion: Extracellular Vesicles from Human Adipose-Derived Stem Cells for the Improvement of Angiogenesis and Fat-Grafting Application. 2019 , 144, 881-882		5
1955	Unraveling the Molecular Signature of Extracellular Vesicles From Endometrial-Derived Mesenchymal Stem Cells: Potential Modulatory Effects and Therapeutic Applications. 2019 , 7, 431		25
1954	Proteomic Characterization of Epithelial-Like Extracellular Vesicles in Advanced Endometrial Cancer. 2019 , 18, 1043-1053		12
1953	Stem Cell Extracellular Vesicles in Skin Repair. 2018 , 6,		41
1952	Peptidylarginine Deiminases Post-Translationally Deiminate Prohibitin and Modulate Extracellular Vesicle Release and MicroRNAs in Glioblastoma Multiforme. 2018 , 20,		40
1951	Making urinary extracellular vesicles a clinically tractable source of biomarkers for inherited tubulopathies using a small volume precipitation method: proof of concept. 2020 , 33, 383-386		4
1950	The Different Facets of Liquid Biopsy: A Kaleidoscopic View. 2020 , 10,		13
1949	Reprogramming extracellular vesicles with engineered proteins. 2020 , 177, 95-102		9
1948	Engineered extracellular vesicles and their mimetics for clinical translation. 2020 , 177, 80-94		20
1947	Recent Advances in Glycoproteomic Analysis by Mass Spectrometry. 2020 , 92, 267-291		57
1946	Targeted Exosomes for Drug Delivery: Biomanufacturing, Surface Tagging, and Validation. 2020 , 15, e1900163		31
1945	Bacterial extracellular vesicles: A new way to decipher host-microbiota communications in inflammatory dermatoses. 2020 , 29, 22-28		16
1944	Mesenchymal stem cell-derived extracellular vesicles for the treatment of acute respiratory distress syndrome. 2020 , 9, 28-38		79
1943	Exosomes, microvesicles, and their friends in solid tumors. 2020 , 39-80		2
1942	Extracellular vesicles in fibrotic diseases: New applications for fibrosis diagnosis and treatment. 2020 , 307-323		

1941	The association of P2Y inhibitors with pro-coagulatory extracellular vesicles and microRNAs in stable coronary artery disease. 2020 , 31, 497-504	7
1940	Human airway epithelial extracellular vesicle miRNA signature is altered upon asthma development. 2020 , 75, 346-356	41
1939	Hypoxia alters the release and size distribution of extracellular vesicles in pancreatic cancer cells to support their adaptive survival. 2020 , 121, 828-839	53
1938	Preclinical translation of exosomes derived from mesenchymal stem/stromal cells. 2020 , 38, 15-21	95
1937	Mesenchymal stromal cell-derived extracellular vesicles for regenerative therapy and immune modulation: Progress and challenges toward clinical application. 2020 , 9, 39-46	41
1936	Biological characteristics of exosomes and genetically engineered exosomes for the targeted delivery of therapeutic agents. 2020 , 28, 129-141	19
1935	Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs. 2020 , 41, 666-677	44
1934	Intranasal Delivery of lincRNA-Cox2 siRNA Loaded Extracellular Vesicles Decreases Lipopolysaccharide-Induced Microglial Proliferation in Mice. 2020 , 15, 390-399	18
1933	Non-coding RNAs as biomarkers in liquid biopsies with a special emphasis on extracellular vesicles in urological malignancies. 2020 , 20, 151-167	18
1932	Modern Techniques for the Isolation of Extracellular Vesicles and Viruses. 2020 , 15, 459-472	25
1931	Strategies for the use of Extracellular Vesicles for the Delivery of Therapeutics. 2020 , 15, 422-442	33
1930	A ratiometric electrochemical DNA biosensor for detection of exosomal MicroRNA. 2020 , 207, 120298	47
1929	Therapeutic potential of mesenchymal stem/stromal cell-derived secretome and vesicles for lung injury and disease. 2020 , 20, 125-140	25
1928	Circulating biomarkers in patients with glioblastoma. 2020 , 122, 295-305	74
1927	Niche origin of mesenchymal stem cells derived microvesicles determines opposing effects on NSCLC: Primary versus metastatic. 2020 , 65, 109456	3
1926	Natural Killer Cell-Derived Vesicular miRNAs: A New Anticancer Approach?. 2020 , 80, 17-22	8
1925	Liquid Biopsies: Microvesicles in Cardiovascular Disease. 2020 , 33, 645-662	12
1924	Extracellular vesicle-mediated delivery of miR-101 inhibits lung metastasis in osteosarcoma. 2020 , 10, 411-425	46

1923	Exosomes and Nanoengineering: A Match Made for Precision Therapeutics. 2020 , 32, e1904040	64
1922	Serum Small Extracellular Vesicles Proteome of Tuberculosis Patients Demonstrated Deregulated Immune Response. 2020 , 14, e1900062	9
1921	Proteome characterization of small extracellular vesicles from spared nerve injury model of neuropathic pain. 2020 , 211, 103540	12
1920	Circulating miRNA analysis for cancer diagnostics and therapy. 2020 , 72, 100825	41
1919	Isolation and characterization of microvesicles from mesenchymal stem cells. 2020 , 177, 50-57	15
1918	Brain-Derived Extracellular Vesicle microRNA Signatures Associated with In Utero and Postnatal Oxycodone Exposure. 2019 , 9,	22
1917	Extracellular Vesicles from Mesenchymal Stem Cells as Novel Treatments for Musculoskeletal Diseases. 2019 , 9,	32
1916	Detection and Quantification of Extracellular Vesicles via FACS: Membrane Labeling Matters!. 2019 , 21,	17
1915	Extracellular Vesicles Released From the Skin Commensal Yeast Activate Human Primary Keratinocytes. 2020 , 10, 6	18
1914	Methods for loading therapeutics into extracellular vesicles and generating extracellular vesicles mimetic-nanovesicles. 2020 , 177, 103-113	30
1913	Exosome-delivered circRNA promotes glycolysis to induce chemoresistance through the miR-122-PKM2 axis in colorectal cancer. 2020 , 14, 539-555	159
1912	Large extracellular vesicles: Size matters in tumor progression. 2020 , 51, 69-74	16
1911	The nanostructured secretome. 2019 , 8, 39-63	18
1910	Apoptotic cell-derived exosomes: messages from dying cells. 2020 , 52, 1-6	77
1909	Neuronal-derived extracellular vesicles are enriched in the brain and serum of HIV-1 transgenic rats. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1703249	16.4 16
1908	Autophagy-dependent ferroptosis drives tumor-associated macrophage polarization via release and uptake of oncogenic KRAS protein. 2020 , 16, 2069-2083	125
1907	Adipocyte extracellular vesicles carry enzymes and fatty acids that stimulate mitochondrial metabolism and remodeling in tumor cells. 2020 , 39, e102525	91
1906	Immune cell extracellular vesicles and their mitochondrial content decline with ageing. 2020 , 17, 1	35

1905	Small extracellular vesicles derived from embryonic stem cells restore ovarian function of premature ovarian failure through PI3K/AKT signaling pathway. 2020 , 11, 3	22
1904	Extracellular vesicles for acute kidney injury in preclinical rodent models: a meta-analysis. 2020 , 11, 11	17
1903	The ins and outs of lipid rafts: functions in intracellular cholesterol homeostasis, microparticles, and cell membranes: Thematic Review Series: Biology of Lipid Rafts. 2020 , 61, 676-686	28
1902	Small extracellular vesicles from rat plasma promote migration and proliferation of vascular smooth muscle cells. 2020 , 82, 299-306	2
1901	Schistosomal extracellular vesicle-enclosed miRNAs modulate host T helper cell differentiation. 2020 , 21, e47882	27
1900	Extracellular vesicles, deiminated protein cargo and microRNAs are novel serum biomarkers for environmental rearing temperature in Atlantic cod (<i>Gadus morhua</i> L.). 2020 , 16, 100245	18
1899	Enhanced paper-based ELISA for simultaneous EVs/exosome isolation and detection using streptavidin agarose-based immobilization. 2019 , 145, 157-164	28
1898	The Intrapericardial Delivery of Extracellular Vesicles from Cardiosphere-Derived Cells Stimulates M2 Polarization during the Acute Phase of Porcine Myocardial Infarction. 2020 , 16, 612-625	16
1897	Extracellular vesicle (ECV)-modified polyethylenimine (PEI) complexes for enhanced siRNA delivery in vitro and in vivo. 2020 , 319, 63-76	41
1896	Enhanced Loading of Functional miRNA Cargo via pH Gradient Modification of Extracellular Vesicles. 2020 , 28, 975-985	48
1895	Extracellular vesicles and their role in glioblastoma. 2019 , 1-26	11
1894	Stable tRNA halves can be sorted into extracellular vesicles and delivered to recipient cells in a concentration-dependent manner. 2020 , 17, 1168-1182	20
1893	Inhibiting extracellular vesicles formation and release: a review of EV inhibitors. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1703244	16.4 178
1892	Exosomes cloak the virion to transmit Enterovirus 71 non-lytically. 2020 , 11, 32-38	19
1891	Immunoregulatory Potential of Exosomes Derived from Cancer Stem Cells. 2020 , 29, 327-335	8
1890	Endosomal dysfunction impacts extracellular vesicle release: Central role in Alzheimer pathology. 2020 , 58, 101006	14
1889	Cilia-driven flows in the brain third ventricle. 2020 , 375, 20190154	8
1888	Intranasally Administered Human MSC-Derived Extracellular Vesicles Pervasively Incorporate into Neurons and Microglia in both Intact and Status Epilepticus Injured Forebrain. 2019 , 21,	38

1887	Effects of neural stem cell-derived extracellular vesicles on neuronal protection and functional recovery in the rat model of middle cerebral artery occlusion. 2020 , 38, 373-383	11
1886	The role of exosomes in colorectal cancer disease progression and response to therapy. 2020 , 51, 84-91	10
1885	Sequential phosphoproteomics and N-glycoproteomics of plasma-derived extracellular vesicles. 2020 , 15, 161-180	29
1884	'Veni, Vidi, Vici': how to arm your troops in the battlefield of cardiac repair. 2020 , 116, e1-e4	
1883	Deiminated proteins in extracellular vesicles and serum of llama (<i>Lama glama</i>)-Novel insights into camelid immunity. 2020 , 117, 37-53	15
1882	Tissue factor activity on microvesicles from cancer patients. 2020 , 146, 467-475	7
1881	Exosome/microvesicle content is altered in leucine-rich repeat kinase 2 mutant induced pluripotent stem cell-derived neural cells. 2020 , 528, 1203-1215	6
1880	hnRNPA2B1 inhibits the exosomal export of miR-503 in endothelial cells. 2020 , 77, 4413-4428	16
1879	Advances in the study of exosomal lncRNAs in tumors and the selection of research methods. 2020 , 123, 109716	18
1878	Short non-coding RNA sequencing of glioblastoma extracellular vesicles. 2020 , 146, 253-263	12
1877	Targeting Antigen to the Surface of EVs Improves the Immunogenicity of Human and Non-human Adenoviral Vaccines in Mice. 2020 , 16, 108-125	23
1876	Isolation of Small Extracellular Vesicles From Human Serum Using a Combination of Ultracentrifugation With Polymer-Based Precipitation. 2020 , 40, 253-258	16
1875	Extracellular Vesicle-Mediated Communication between the Glioblastoma and Its Microenvironment. 2019 , 9,	29
1874	Purity and yield of melanoma exosomes are dependent on isolation method. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1692401	16.4 44
1873	Blood concentrations of small extracellular vesicles are determined by a balance between abundant secretion and rapid clearance. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1696517	16.4 44
1872	Post-production modifications of murine mesenchymal stem cell (mMSC) derived extracellular vesicles (EVs) and impact on their cellular interaction. 2020 , 231, 119675	27
1871	Extracellular vesicles and their roles in stem cell biology. 2020 , 38, 469-476	20
1870	miR-381-abundant small extracellular vesicles derived from kartogenin-preconditioned mesenchymal stem cells promote chondrogenesis of MSCs by targeting TAOK1. 2020 , 231, 119682	25

1869	Advances in imaging strategies for in vivo tracking of exosomes. 2020 , 12, e1594	26
1868	Human Pluripotent Stem Cell-Derived Extracellular Vesicles: Characteristics and Applications. 2020 , 26, 129-144	13
1867	Serum exosomal microRNA transcriptome profiling in subacute spinal cord injured rats. 2020 , 112, 2092-2105	10
1866	The Level of Circulating Microparticles in Patients with Coronary Heart Disease: a Systematic Review and Meta-Analysis. 2020 , 13, 702-712	7
1865	The Unsettling Ambiguity of Therapeutic Extracellular Vesicles from Mesenchymal Stromal Cells. 2020 , 62, 539-540	2
1864	Exosomes produced from 3D cultures of umbilical cord mesenchymal stem cells in a hollow-fiber bioreactor show improved osteochondral regeneration activity. 2020 , 36, 165-178	62
1863	Extracellular Vesicles in the Forebrain Display Reduced miR-346 and miR-331-3p in a Rat Model of Chronic Temporal Lobe Epilepsy. 2020 , 57, 1674-1687	9
1862	Extracellular vesicles in urological malignancies: an update. 2020 , 17, 11-27	41
1861	Integrated analysis of exosomal lncRNA and mRNA expression profiles reveals the involvement of lnc-MKRN2-42:1 in the pathogenesis of Parkinson's disease. 2020 , 26, 527-537	25
1860	Prostate cancer research: The next generation; report from the 2019 Coffey-Holden Prostate Cancer Academy Meeting. 2020 , 80, 113-132	11
1859	MiR155-5p in adventitial fibroblasts-derived extracellular vesicles inhibits vascular smooth muscle cell proliferation via suppressing angiotensin-converting enzyme expression. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1698795	16.4 46
1858	Chronic myeloid leukemia-derived extracellular vesicles increase Foxp3 level and suppressive activity of thymic regulatory T cells. 2020 , 50, 606-609	4
1857	Analyzing bacterial extracellular vesicles in human body fluids by orthogonal biophysical separation and biochemical characterization. 2020 , 15, 40-67	49
1856	Circulating Extracellular Vesicles in Normotension Restrain Vasodilation in Resistance Arteries. 2020 , 75, 218-228	15
1855	Extracellular vesicles and redox modulation in aging. 2020 , 149, 44-50	17
1854	Generation, purification and engineering of extracellular vesicles and their biomedical applications. 2020 , 177, 114-125	26
1853	Quality and efficiency assessment of six extracellular vesicle isolation methods by nano-flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1697028	16.4 168
1852	Plasmatic exosomes from prostate cancer patients show increased carbonic anhydrase IX expression and activity and low pH. 2020 , 35, 280-288	30

1851	MiSet RFC Standards: Defining a Universal Minimum Set of Standards Required for Reproducibility and Rigor in Research Flow Cytometry Experiments. 2020 , 97, 148-155	6
1850	The changing face of pulmonary hypertension diagnosis: a historical perspective on the influence of diagnostics and biomarkers. 2020 , 10, 2045894019892801	11
1849	Platelets and platelet extracellular vesicles in hemostasis and sepsis. 2020 , 68, 813-820	25
1848	Extracellular Vesicles in Non-Small-Cell Lung Cancer: Functional Role and Involvement in Resistance to Targeted Treatment and Immunotherapy. 2019 , 12,	11
1847	miR-10a-5p and miR-29b-3p as Extracellular Vesicle-Associated Prostate Cancer Detection Markers. 2019 , 12,	28
1846	Circulating Extracellular Vesicle MicroRNA as Diagnostic Biomarkers in Early Colorectal Cancer-A Review. 2019 , 12,	31
1845	Extracellular Vesicles and Epigenetic Modifications Are Hallmarks of Melanoma Progression. 2019 , 21,	22
1844	Correlation of Micro-Computed Tomography Assessment of Valvular Mineralisation with Histopathological and Immunohistochemical Features of Calcific Aortic Valve Disease. 2019 , 9,	1
1843	Role of Mac-1 integrin in generation of extracellular vesicles with antibacterial capacity from neutrophilic granulocytes. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1698889	16.4 13
1842	Exosomes in disease and regeneration: biological functions, diagnostics, and beneficial effects. 2020 , 319, H1162-H1180	14
1841	Mesenchymal Stem Cell-Derived Exosomes: A Potential Therapeutic Avenue in Knee Osteoarthritis. 2020 , 1947603520962567	6
1840	Functions of Wnt and Hedgehog-containing extracellular vesicles in development and disease. 2020 , 133,	3
1839	Circulating Mitochondrial-Derived Vesicles, Inflammatory Biomarkers and Amino Acids in Older Adults With Physical Frailty and Sarcopenia: A Preliminary BIOSPHERE Multi-Marker Study Using Sequential and Orthogonalized Covariance Selection - Linear Discriminant Analysis. 2020 , 8, 564417	9
1838	Exosomes in Sepsis. 2020 , 11, 2140	19
1837	Cell-Free Therapies: Novel Approaches for COVID-19. 2020 , 11, 583017	5
1836	Circulating Extracellular Vesicles and Endothelial Damage in Sickle Cell Disease. 2020 , 11, 1063	3
1835	Large Animal Models of Cell-Free Cardiac Regeneration. 2020 , 10,	10
1834	Extracellular Vesicles as an Efficient and Versatile System for Drug Delivery. 2020 , 9,	32

1833	Association of Major Histocompatibility Complex Class I Related Chain A/B Positive Microparticles with Acute Myocardial Infarction and Disease Severity. 2020 , 10,	0
1832	Role of Extracellular Vesicles in Substance Abuse and HIV-Related Neurological Pathologies. 2020 , 21,	5
1831	B7-H3 in Medulloblastoma-Derived Exosomes; A Novel Tumorigenic Role. 2020 , 21,	6
1830	Altered Basal Autophagy Affects Extracellular Vesicle Release in Cells of Lagotto Romagnolo Dogs With a Variant. 2020 , 57, 926-935	0
1829	Anti-Tumor Effects of Exosomes Derived from Drug-Incubated Permanently Growing Human MSC. 2020 , 21,	18
1828	Circulating Exosomes Control CD4 T Cell Immunometabolic Functions via the Transfer of miR-142 as a Novel Mediator in Myocarditis. 2020 , 28, 2605-2620	4
1827	Three-dimensional cell models for extracellular vesicles production, isolation, and characterization. 2020 , 645, 209-230	0
1826	MCU-dependent negative sorting of miR-4488 to extracellular vesicles enhances angiogenesis and promotes breast cancer metastatic colonization. 2020 , 39, 6975-6989	9
1825	Human Umbilical Cord Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Alleviate Lung Injury in Rat Model of Bronchopulmonary Dysplasia by Affecting Cell Survival and Angiogenesis. 2020 , 29, 1520-1532	9
1824	Cancer-Derived Exosomes: Their Role in Cancer Biology and Biomarker Development. 2020 , 15, 8019-8036	66
1823	The Tumor Microenvironment in Neuroblastoma: New Players, New Mechanisms of Interaction and New Perspectives. 2020 , 12,	17
1822	Uveal Melanoma-Derived Extracellular Vesicles Display Transforming Potential and Carry Protein Cargo Involved in Metastatic Niche Preparation. 2020 , 12,	8
1821	Therapeutic miRNA-Enriched Extracellular Vesicles: Current Approaches and Future Prospects. 2020 , 9,	25
1820	Cardiomyocyte-derived small extracellular vesicles can signal eNOS activation in cardiac microvascular endothelial cells to protect against Ischemia/Reperfusion injury. 2020 , 10, 11754-11774	15
1819	Extracellular vesicles derived from Krppel-Like Factor 2-overexpressing endothelial cells attenuate myocardial ischemia-reperfusion injury by preventing Ly6C monocyte recruitment. 2020 , 10, 11562-11579	13
1818	Molecular characteristics and functional differences of anti-PM/Scl autoantibodies and two other distinct and unique supramolecular structures known as "EXOSOMES". 2020 , 19, 102644	0
1817	Soluble HLA-G and HLA-G Bearing Extracellular Vesicles Affect ILT-2 Positive and ILT-2 Negative CD8 T Cells Complementary. 2020 , 11, 2046	12
1816	Anti-Inflammatory Potential of Cow, Donkey and Goat Milk Extracellular Vesicles as Revealed by Metabolomic Profile. 2020 , 12,	3

1815	The existence and function of mitochondrial component in extracellular vesicles. 2020 , 54, 122-127	12
1814	Extracellular Vesicles in Cardiac Regeneration: Potential Applications for Tissues-on-a-Chip. 2021 , 39, 755-773	10
1813	Extracellular vesicles shuttle protective messages against heat stress in bovine granulosa cells. 2020 , 10, 15824	7
1812	Extracellular vesicles released in blood of COVID-19 patients: mechanism for detection of cardiac troponin after myocardial injury?. 2020 , 25, 613-615	4
1811	Bone Marrow Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Promote Periodontal Regeneration. 2021 , 27, 962-976	18
1810	Exosome: A Review of Its Classification, Isolation Techniques, Storage, Diagnostic and Targeted Therapy Applications. 2020 , 15, 6917-6934	140
1809	TNF Production and Release from Microglia via Extracellular Vesicles: Impact on Brain Functions. 2020 , 9,	18
1808	Rab13 regulates sEV secretion in mutant KRAS colorectal cancer cells. 2020 , 10, 15804	11
1807	Development of a simple, sensitive and selective colorimetric aptasensor for the detection of cancer-derived exosomes. 2020 , 169, 112576	33
1806	Exosomes, vřicules extracellulaires et dialogue inter-organes. 2020 , 14, 250-257	
1805	Matrix-Bound Nanovesicles: The Effects of Isolation Method upon Yield, Purity, and Function. 2020 , 26, 528-540	5
1804	Extracellular vesicles and cardiovascular system: Biomarkers and Cardioprotective Effectors. 2020 , 135, 106790	25
1803	Isolation, characterisation and detection of breath-derived extracellular vesicles. 2020 , 10, 17381	3
1802	Sarcoma treatment in the era of molecular medicine. 2020 , 12, e11131	48
1801	Role of extracellular vesicles in tumour microenvironment. 2020 , 18, 163	18
1800	EVs as Potential New Therapeutic Tool/Target in Gastrointestinal Cancer and HCC. 2020 , 12,	11
1799	Proteomics of Extracellular Vesicles: Update on Their Composition, Biological Roles and Potential Use as Diagnostic Tools in Atherosclerotic Cardiovascular Diseases. 2020 , 10,	7
1798	Exosomes in Gliomas: Biogenesis, Isolation, and Preliminary Applications in Nanomedicine. 2020 , 13,	6

1797	Extracellular vesicles from the apoplastical fungal wheat pathogen. 2020 , 7, 13	15
1796	Anti-Zika virus and anti-USutu virus activity of human milk and its components. 2020 , 14, e0008713	5
1795	Mechanistic Actions of microRNAs in Diabetic Wound Healing. 2020 , 9,	9
1794	Improving hematopoietic engraftment: Potential role of mesenchymal stromal cell-derived extracellular vesicles. 2021 , 39, 26-32	8
1793	Novel Proteomic Profiling of Epididymal Extracellular Vesicles in the Domestic Cat Reveals Proteins Related to Sequential Sperm Maturation with Differences Observed between Normospermic and Teratospermic Individuals. 2020 , 19, 2090-2104	7
1792	Blood extracellular vesicles from healthy individuals regulate hematopoietic stem cells as humans age. 2020 , 19, e13245	4
1791	Platelet Extracellular Vesicles: Beyond the Blood. 2021 , 41, 87-96	37
1790	Adipose Mesenchymal Stem Cell-Derived Exosomal microRNA-1236 Reduces Resistance of Breast Cancer Cells to Cisplatin by Suppressing SLC9A1 and the Wnt/ β Catenin Signaling. 2020 , 12, 8733-8744	8
1789	Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimer's Disease Leads to Neuroglial and Endothelial Cell Degeneration. 2020 , 12, 587989	7
1788	Strategies for scalable manufacturing and translation of MSC-derived extracellular vesicles. 2020 , 48, 101978	16
1787	Roles of Macrophages and Exosomes in Liver Diseases. 2020 , 7, 583691	11
1786	Preparation of Multi-omics Grade Extracellular Vesicles by Density-Based Fractionation of Urine. 2020 , 1, 100073	4
1785	Nonimmune mechanisms in idiopathic inflammatory myopathies. 2020 , 32, 515-522	4
1784	T cell-derived extracellular vesicles are elevated in essential HTN. 2020 , 319, F868-F875	7
1783	Biofilm formation and extracellular microvesicles-The way of foodborne pathogens toward resistance. 2020 , 41, 1718-1739	5
1782	Intracellular trafficking and functional monitoring of miRNA delivery in glioblastoma using lipopolyplexes and the miRNA-ON RILES reporter system. 2020 , 327, 429-443	9
1781	Differential expression and significance of miRNAs in plasma extracellular vesicles of patients with Parkinson's disease. 2020 , 1-16	10
1780	Extracellular Vesicle-Associated Proteins in Tissue Repair. 2020 , 30, 990-1013	36

1779	Inhibition of $\alpha 5 \beta 1$ integrin impairs adhesion and uptake of tumor-derived small extracellular vesicles. 2020 , 18, 158	17
1778	Scaffolds with controlled release of pro-mineralization exosomes to promote craniofacial bone healing without cell transplantation. 2020 , 118, 215-232	38
1777	Placental miRNAs in feto-maternal communication mediated by extracellular vesicles. 2020 , 102, 27-33	8
1776	Towards defining reference materials for measuring extracellular vesicle refractive index, epitope abundance, size and concentration. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1816641	16.4 31
1775	Comparison Study of Stem Cell-Derived Extracellular Vesicles for Enhanced Osteogenic Differentiation. 2021 , 27, 1044-1054	6
1774	Emerging Prospects of Exosomes for Cancer Treatment: From Conventional Therapy to Immunotherapy. 2020 , 32, e2002440	60
1773	Extracellular vesicle signalling in atherosclerosis. 2020 , 75, 109751	11
1772	BxPC-3-Derived Small Extracellular Vesicles Induce FOXP3+ Treg through ATM-AMPK-Sirtuins-Mediated FOXOs Nuclear Translocations. 2020 , 23, 101431	8
1771	Simple and Fast SEC-Based Protocol to Isolate Human Plasma-Derived Extracellular Vesicles for Transcriptional Research. 2020 , 18, 723-737	10
1770	The Metastatic Cascade as the Basis for Liquid Biopsy Development. 2020 , 10, 1055	8
1769	Emerging trends in COVID-19 treatment: learning from inflammatory conditions associated with cellular therapies. 2020 , 22, 474-481	21
1768	Extracellular Vesicles in Fungi: Past, Present, and Future Perspectives. 2020 , 10, 346	35
1767	Characterizing Extracellular Vesicles and Their Diverse RNA Contents. 2020 , 11, 700	67
1766	An Analysis of Mesenchymal Stem Cell-Derived Extracellular Vesicles for Preclinical Use. 2020 , 14, 9728-9743	31
1765	A Comprehensive Review of Cancer MicroRNA Therapeutic Delivery Strategies. 2020 , 12,	65
1764	Deep Sequencing of Small RNAs from Neurosurgical Extracellular Vesicles Substantiates miR-486-3p as a Circulating Biomarker that Distinguishes Glioblastoma from Lower-Grade Astrocytoma Patients. 2020 , 21,	9
1763	MicroRNA-21-3p Engineered Umbilical Cord Stem Cell-Derived Exosomes Inhibit Tendon Adhesion. 2020 , 13, 303-316	13
1762	Trafficking of Envelope Components and Release Within Extracellular Vesicles: Host-Pathogen Interactions Beyond the Wall. 2020 , 11, 1230	10

1761 Microvesicles : biomarqueurs non invasifs de l'endothélium. **2020**, 2020, 61-76

1760 Immunocapture-based ELISA to characterize and quantify exosomes in both cell culture supernatants and body fluids. **2020**, 645, 155-180 16

1759 Exosomes as potential sources of biomarkers in colorectal cancer. **2020**, 476, 13-22 53

1758 Radiation-induced extracellular vesicle (EV) release of miR-603 promotes IGF1-mediated stem cell state in glioblastomas. **2020**, 55, 102736 19

1757 The protein and microRNA cargo of extracellular vesicles from parasitic helminths - current status and research priorities. **2020**, 50, 635-645 31

1756 Extracellular vesicles from *Heligmosomoides bakeri* and *Trichuris muris* contain distinct microRNA families and small RNAs that could underpin different functions in the host. **2020**, 50, 719-729 9

1755 Macrolelets: Outsized Extracellular Vesicles Released from Lipopolysaccharide-Stimulated Macrophages that Trap and Kill *Escherichia coli*. **2020**, 23, 101135 3

1754 IFN γ -induced exosomal linc-EPHA6-1 promotes cytotoxicity of NK cells by acting as a ceRNA for hsa-miR-4485-5p to up-regulate NKp46 expression. **2020**, 257, 118064 8

1753 Transfer of microRNA-221 from mesenchymal stem cell-derived extracellular vesicles inhibits atherosclerotic plaque formation. **2020**, 226, 83-95 15

1752 Salivary exosomes: properties, medical applications, and isolation methods. **2020**, 47, 6295-6307 14

1751 An extracellular vesicle epitope profile is associated with acute myocardial infarction. **2020**, 24, 9945-9957 18

1750 MicroRNA-223 Regulates Retinal Function and Inflammation in the Healthy and Degenerating Retina. **2020**, 8, 516 8

1749 Specific and Non-Invasive Fluorescent Labelling of Extracellular Vesicles for Evaluation of Intracellular Processing by Intestinal Epithelial Cells. **2020**, 8, 7

1748 Docosahexaenoic acid (DHA) inhibits pro-angiogenic effects of breast cancer cells via down-regulating cellular and exosomal expression of angiogenic genes and microRNAs. **2020**, 258, 118094 19

1747 A novel three step protocol to isolate extracellular vesicles from plasma or cell culture medium with both high yield and purity. *Journal of Extracellular Vesicles*, **2020**, 9, 1791450 16.4 31

1746 Exosomes Secreted From Bone Marrow Mesenchymal Stem Cells Attenuate Oxygen-Glucose Deprivation/Reoxygenation-Induced Pyroptosis in PC12 Cells by Promoting AMPK-Dependent Autophagic Flux. **2020**, 14, 182 23

1745 Extracellular vesicles as biomarkers in liver diseases: A clinician's point of view. **2020**, 73, 1507-1525 44

1744 Exosome: a significant nano-scale drug delivery carrier. **2020**, 8, 7591-7608 38

1743	Signaling of Tumor-Derived sEV Impacts Melanoma Progression. 2020 , 21,	13
1742	Therapeutic Effects of Simultaneous Delivery of Nerve Growth Factor mRNA and Protein via Exosomes on Cerebral Ischemia. 2020 , 21, 512-522	28
1741	Influence of species and processing parameters on recovery and content of brain tissue-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1785746	16.4 32
1740	Platelet-derived extracellular vesicles infiltrate and modify the bone marrow during inflammation. 2020 , 4, 3011-3023	34
1739	Cross validated serum small extracellular vesicle microRNAs for the detection of oropharyngeal squamous cell carcinoma. 2020 , 18, 280	5
1738	Tumor-Derived Extracellular Vesicles and the Immune System-Lessons From Immune-Competent Mouse-Tumor Models. 2020 , 11, 606859	6
1737	Therapeutic Potential of Extracellular Vesicles for the Treatment of Corneal Injuries and Scars. 2020 , 9, 1	7
1736	Cell Therapy With Human ESC-Derived Cardiac Cells: Clinical Perspectives. 2020 , 8, 601560	2
1735	Extracellular Vesicle Mediated Crosstalk Between the Gametes, Conceptus, and Female Reproductive Tract. 2020 , 7, 589117	12
1734	Analysis of miR-9-5p, miR-124-3p, miR-21-5p, miR-138-5p, and miR-1-3p in Glioblastoma Cell Lines and Extracellular Vesicles. 2020 , 21,	12
1733	Multi-technique analysis of extracellular vesicles: not only size matters. 2020 , 32, 157-177	4
1732	Pursuing mechanisms of extracellular vesicle formation. Effects of sample processing. 2020 , 32, 113-155	3
1731	Blood-derived extracellular vesicles isolated from healthy donors exposed to air pollution modulate in vitro endothelial cells behavior. 2020 , 10, 20138	2
1730	Platelet-derived extracellular vesicles promote osteoinduction of mesenchymal stromal cells. 2020 , 9, 667-674	7
1729	Current Perspectives on Clinical Use of Exosomes as a Personalized Contrast Media and Theranostics. 2020 , 12,	6
1728	Extracellular Vesicles in Alzheimer's and Parkinson's Disease: Small Entities with Large Consequences. 2020 , 9,	16
1727	Exosomes of Epstein-Barr Virus-Associated Gastric Carcinoma Suppress Dendritic Cell Maturation. 2020 , 8,	13
1726	Multi-Omics Data Integration in Extracellular Vesicle Biology-Utopia or Future Reality?. 2020 , 21,	15

1725	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. 2020 , 6,	21
1724	Electromagnetic Piezoelectric Acoustic Sensor Detection of Extracellular Vesicles through Interaction with Detached Vesicle Proteins. 2020 , 10,	2
1723	The Role of Extracellular Vesicles (EVs) in the Epigenetic Regulation of Bone Metabolism and Osteoporosis. 2020 , 21,	9
1722	Simultaneous Isolation of Circulating Nucleic Acids and EV-Associated Protein Biomarkers From Unprocessed Plasma Using an AC Electrokinetics-Based Platform. 2020 , 8, 581157	3
1721	Extracellular Vesicle-Dependent Communication Between Mesenchymal Stromal Cells and Immune Effector Cells. 2020 , 8, 596079	12
1720	Pathogenesis of Viral Hepatitis-Induced Chronic Liver Disease: Role of Extracellular Vesicles. 2020 , 10, 587628	6
1719	Caspase-3 Cleaves Extracellular Vesicle Proteins During Auditory Brainstem Development. 2020 , 14, 573345	4
1718	Large Extracellular Vesicles Can be Characterised by Multiplex Labelling Using Imaging Flow Cytometry. 2020 , 21,	7
1717	Mechanisms of Action of EGFR Tyrosine Kinase Receptor Incorporated in Extracellular Vesicles. 2020 , 9,	4
1716	Role of Extracellular Vesicles in Epithelial Ovarian Cancer: A Systematic Review. 2020 , 21,	10
1715	Emerging Roles of Exosomes in T1DM. 2020 , 11, 593348	17
1714	Methods to purify DNA from extracellular vesicles: Focus on exosomes. 2020 , 645, 109-118	2
1713	Proteomics analysis of serum small extracellular vesicles for the longitudinal study of a glioblastoma multiforme mouse model. 2020 , 10, 20498	4
1712	Advances in Exosome-Based Drug Delivery and Tumor Targeting: From Tissue Distribution to Intracellular Fate. 2020 , 15, 9355-9371	34
1711	Diagnostic potential of peri-implant crevicular fluid microRNA-21-3p and microRNA-150-5p and extracellular vesicles in peri-implant diseases. 2021 , 92, 11-21	2
1710	The Protective Effects of Tripeptides VPP and IPP against Small Extracellular Vesicles from Angiotensin II-Induced Vascular Smooth Muscle Cells Mediating Endothelial Dysfunction in Human Umbilical Vein Endothelial Cells. 2020 , 68, 13730-13741	6
1709	Transcriptome Reprogramming of CD11b Bone Marrow Cells by Pancreatic Cancer Extracellular Vesicles. 2020 , 8, 592518	4
1708	Extracellular MicroRNAs as Intercellular Mediators and Noninvasive Biomarkers of Cancer. 2020 , 12,	7

1707	Administration of Human MSC-Derived Extracellular Vesicles for the Treatment of Primary Sclerosing Cholangitis: Preclinical Data in MDR2 Knockout Mice. 2020 , 21,	6
1706	Small Particle Fluorescence and Light Scatter Calibration Using FCM Software. 2020 , 94, e79	7
1705	The effect of ionising radiation on the phenotype of bone marrow-derived extracellular vesicles. 2020 , 93, 20200319	3
1704	Macrophage-derived small extracellular vesicles promote biomimetic mineralized collagen-mediated endogenous bone regeneration. 2020 , 12, 33	10
1703	Characterization of miRNAs in Extracellular Vesicles Released From Atlantic Salmon Monocyte-Like and Macrophage-Like Cells. 2020 , 11, 587931	10
1702	Exosomes in Cardiovascular Diseases. 2020 , 10,	12
1701	Molecular Characterization of Temozolomide-Treated and Non Temozolomide-Treated Glioblastoma Cells Released Extracellular Vesicles and Their Role in the Macrophage Response. 2020 , 21,	4
1700	Extracellular vesicles in cardiovascular disease. 2021 , 103, 47-95	10
1699	MicroRNA-enriched small extracellular vesicles possess odonto-immunomodulatory properties for modulating the immune response of macrophages and promoting odontogenesis. 2020 , 11, 517	8
1698	Extracellular Vesicles in Viral Infections: Two Sides of the Same Coin?. 2020 , 10, 593170	17
1697	The Role of Exosomes in Thyroid Cancer and Their Potential Clinical Application. 2020 , 10, 596132	8
1696	Clinical Applications of Mesenchymal Stem/Stromal Cell Derived Extracellular Vesicles: Therapeutic Potential of an Acellular Product. 2020 , 10,	12
1695	MicroRNAs from Extracellular Vesicles Secreted by Bovine Embryos as Early Biomarkers of Developmental Competence. 2020 , 21,	6
1694	MicroRNA Profiling in Oesophageal Adenocarcinoma Cell Lines and Patient Serum Samples Reveals a Role for miR-451a in Radiation Resistance. 2020 , 21,	2
1693	The Case of Medication-Related Osteonecrosis of the Jaw Addressed from a Pathogenic Point of View. Innovative Therapeutic Strategies: Focus on the Most Recent Discoveries on Oral Mesenchymal Stem Cell-Derived Exosomes. 2020 , 13,	13
1692	Adipose-derived mesenchymal stem cells reduce autophagy in stroke mice by extracellular vesicle transfer of miR-25. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12024	16.4 32
1691	Harnessing the Neural Stem Cell Secretome for Regenerative Neuroimmunology. 2020 , 14, 590960	11
1690	Extracellular Vesicles and Post-Translational Protein Deimination Signatures in Mollusca-The Blue Mussel (), Soft Shell Clam (), Eastern Oyster () and Atlantic Jacknife Clam (). 2020 , 9,	10

1689	Serum-Derived Exosomal MicroRNA Profiles Can Predict Poor Survival Outcomes in Patients with Extranodal Natural Killer/T-Cell Lymphoma. 2020 , 12,	4
1688	Immune Regulation by Dendritic Cell Extracellular Vesicles in Cancer Immunotherapy and Vaccines. 2020 , 12,	12
1687	Exosomes and Extracellular Vesicles as Emerging Theranostic Platforms in Cancer Research. 2020 , 9,	14
1686	Peptide-Affinity Precipitation of Extracellular Vesicles and Cell-Free DNA Improves Sequencing Performance for the Detection of Pathogenic Mutations in Lung Cancer Patient Plasma. 2020 , 21,	3
1685	Comparison of two ASC-derived therapeutics in an in vitro OA model: secretome versus extracellular vesicles. 2020 , 11, 521	14
1684	Microglial derived extracellular vesicles activate autophagy and mediate multi-target signaling to maintain cellular homeostasis. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12022	16.4 8
1683	Characterization of CD147, CA9, and CD70 as Tumor-Specific Markers on Extracellular Vesicles in Clear Cell Renal Cell Carcinoma. 2020 , 10,	4
1682	Enrichment and characterization of extracellular vesicles from ex vivo one-sided human placenta perfusion. 2021 , 86, e13377	3
1681	Cancer Alters the Metabolic Fingerprint of Extracellular Vesicles. 2020 , 12,	2
1680	A review of the role of extracellular vesicles in neonatal physiology and pathology. 2021 , 90, 289-299	2
1679	Activation of multiple receptors stimulates extracellular vesicle release from trophoblast cells. 2020 , 8, e14592	4
1678	Extracellular vesicles in virus infection and pathogenesis. 2020 , 44, 129-138	11
1677	Promastigotes or Extracellular Vesicles Modulate B-1 Cell Activation and Differentiation. 2020 , 10, 573813	0
1676	Bovine Follicular Fluid and Extracellular Vesicles Derived from Follicular Fluid Alter the Bovine Oviductal Epithelial Cells Transcriptome. 2020 , 21,	9
1675	Aerobic exercise training regulates serum extracellular vesicle miRNAs linked to obesity to promote their beneficial effects in mice. 2020 , 319, E579-E591	11
1674	Extracellular Vesicle Membrane-Associated Proteins: Emerging Roles in Tumor Angiogenesis and Anti-Angiogenesis Therapy Resistance. 2020 , 21,	13
1673	Exosomes in head and neck cancer: Roles, mechanisms and applications. 2020 , 494, 7-16	15
1672	In Vitro Study of Extracellular Vesicles Migration in Cartilage-Derived Osteoarthritis Samples Using Real-Time Quantitative Multimodal Nonlinear Optics Imaging. 2020 , 12,	3

1671	Exosomes: Multifaceted Messengers in Atherosclerosis. 2020 , 22, 57	16
1670	Small Extracellular Vesicle Regulation of Mitochondrial Dynamics Reprograms a Hypoxic Tumor Microenvironment. 2020 , 55, 163-177.e6	11
1669	Fetal bovine serum-derived exosomes regulate the adipogenic differentiation of human bone marrow mesenchymal stromal cells in a cross-species manner. 2020 , 115, 11-21	1
1668	Glioblastoma-Derived Extracellular Vesicles Facilitate Transformation of Astrocytes via Reprogramming Oncogenic Metabolism. 2020 , 23, 101420	12
1667	Exosome mediated delivery of functional nucleic acid nanoparticles (NANPs). 2020 , 30, 102285	14
1666	Exosome cargo in milk as a potential marker of cow health. 2020 , 87, 79-83	5
1665	Impact of isolation methods on the biophysical heterogeneity of single extracellular vesicles. 2020 , 10, 13327	13
1664	Interplay Between V-ATPase G1 and Small EV-miRNAs Modulates ERK1/2 Activation in GBM Stem Cells and Nonneoplastic Milieu. 2020 , 18, 1744-1754	2
1663	Role of Extracellular Vesicles in Pulmonary Arterial Hypertension: Modulation of Pulmonary Endothelial Function and Angiogenesis. 2020 , 40, 2293-2309	12
1662	Exosomal cargos modulate autophagy in recipient cells via different signaling pathways. 2020 , 10, 92	20
1661	Biomimetic nanovesicle design for cardiac tissue repair. 2020 , 15, 1873-1896	6
1660	A Two-Dimensional Affinity Capture and Separation Mini-Platform for the Isolation, Enrichment, and Quantification of Biomarkers and Its Potential Use for Liquid Biopsy. 2020 , 8,	7
1659	The Biology of Exosomes in Breast Cancer Progression: Dissemination, Immune Evasion and Metastatic Colonization. 2020 , 12,	17
1658	Optimized Protocol for Isolation of Small Extracellular Vesicles from Human and Murine Lymphoid Tissues. 2020 , 21,	6
1657	Uncovering the Exosomes Diversity: A Window of Opportunity for Tumor Progression Monitoring. 2020 , 13,	26
1656	Exosomal miRNAs as biomarkers for diagnostic and prognostic in lung cancer. 2020 , 9, 6909-6922	20
1655	Membrane Active Peptides Remove Surface Adsorbed Protein Corona From Extracellular Vesicles of Red Blood Cells. 2020 , 8, 703	5
1654	Insights Into Extracellular Vesicles as Biomarker of NAFLD Pathogenesis. 2020 , 7, 395	9

1653	Advances of exosome isolation techniques in lung cancer. 2020 , 47, 7229-7251	3
1652	(Sub)populations of extracellular vesicles released by TNF- β -triggered human endothelial cells promote vascular inflammation and monocyte migration. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1801-1814	14
1651	Extracellular vesicle-based liquid biopsy holds great promise for the management of ovarian cancer. 2020 , 1874, 188395	6
1650	Survivin in breast cancer-derived exosomes activates fibroblasts by up-regulating SOD1, whose feedback promotes cancer proliferation and metastasis. 2020 , 295, 13737-13752	14
1649	Extracellular vesicles isolated from human olfactory ensheathing cells enhance the viability of neural progenitor cells. 2020 , 42, 959-967	7
1648	Isolation of extracellular vesicle with different precipitation-based methods exerts a tremendous impact on the biomarker analysis for clinical plasma samples. 2020 , 29, 373-385	3
1647	Distinct Cargos of Small Extracellular Vesicles Derived from Hypoxic Cells and Their Effect on Cancer Cells. 2020 , 21,	4
1646	Natural killer cell-derived extracellular vesicles in cancer therapy. 2020 , 92, e12938	7
1645	Regulatory Role of Immune Cell-Derived Extracellular Vesicles in Cancer: The Message Is in the Envelope. 2020 , 11, 1525	8
1644	Lung mechanics modifications facilitating metastasis are mediated in part by breast cancer-derived extracellular vesicles. 2020 , 147, 2924-2933	10
1643	Fibroblast-Derived Extracellular Vesicles Induce Colorectal Cancer Progression by Transmitting Amphiregulin. 2020 , 8, 558	13
1642	Extracellular Vesicle Proteins and MicroRNAs as Biomarkers for Traumatic Brain Injury. 2020 , 11, 663	32
1641	Proteome of Glioblastoma-Derived Exosomes as a Source of Biomarkers. 2020 , 8,	17
1640	Revealing the Proteome of Motor Cortex Derived Extracellular Vesicles Isolated from Amyotrophic Lateral Sclerosis Human Postmortem Tissues. 2020 , 9,	12
1639	Characterization of Extracellular Vesicles from <i>Entamoeba histolytica</i> Identifies Roles in Intercellular Communication That Regulates Parasite Growth and Development. 2020 , 88,	10
1638	Characteristics of Extracellular Vesicles Released by the Pathogenic Yeast-Like Fungi , and. 2020 , 9,	17
1637	Bioactive DNA from extracellular vesicles and particles. 2020 , 11, 584	54
1636	Milk-exosome based pH/light sensitive drug system to enhance anticancer activity against oral squamous cell carcinoma.. 2020 , 10, 28314-28323	16

1635	-derived extracellular vesicles induce anti-inflammatory M2 macrophage polarization. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1793514	16.4	20
1634	The Application of MSCs-Derived Extracellular Vesicles in Bone Disorders: Novel Cell-Free Therapeutic Strategy. 2020 , 8, 619		14
1633	Changes in Circulating Extracellular Vesicles in Patients with ST-Elevation Myocardial Infarction and Potential Effects of Remote Ischemic Conditioning-A Randomized Controlled Trial. 2020 , 8,		7
1632	Brown adipose tissue-derived exosomes mitigate the metabolic syndrome in high fat diet mice. 2020 , 10, 8197-8210		40
1631	Detection of Salivary Small Extracellular Vesicles Associated Inflammatory Cytokines Gene Methylation in Gingivitis. 2020 , 21,		12
1630	Development of New Strategies Using Extracellular Vesicles Loaded with Exogenous Nucleic Acid. 2020 , 12,		13
1629	Modification of lipid rafts by extracellular vesicles carrying HIV-1 protein Nef induces redistribution of amyloid precursor protein and Tau, causing neuronal dysfunction. 2020 , 295, 13377-13392		9
1628	miRNA- and cytokine-associated extracellular vesicles mediate squamous cell carcinomas. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1790159	16.4	8
1627	miR-196b-5p-enriched extracellular vesicles from tubular epithelial cells mediated aldosterone-induced renal fibrosis in mice with diabetes. 2020 , 8,		9
1626	Multiple Biological Roles of Extracellular Vesicles in Lung Injury and Inflammation Microenvironment. 2020 , 2020, 5608382		3
1625	Bovine Milk Extracellular Vesicles Are Osteoprotective by Increasing Osteocyte Numbers and Targeting RANKL/OPG System in Experimental Models of Bone Loss. 2020 , 8, 891		7
1624	Mass-Spectrometry Based Proteome Comparison of Extracellular Vesicle Isolation Methods: Comparison of ME-kit, Size-Exclusion Chromatography, and High-Speed Centrifugation. 2020 , 8,		14
1623	Microvesicles in Cancer: Small Size, Large Potential. 2020 , 21,		11
1622	Small Extracellular Vesicles Isolated from Serum May Serve as Signal-Enhancers for the Monitoring of CNS Tumors. 2020 , 21,		8
1621	Exosome: A New Player in Translational Nanomedicine. 2020 , 9,		22
1620	Extracellular vesicles and post-translational protein deimination signatures in haemolymph of the American lobster (<i>Homarus americanus</i>). 2020 , 106, 79-102		10
1619	Astrocyte regional diversity in ALS includes distinct aberrant phenotypes with common and causal pathological processes. 2020 , 395, 112209		11
1618	Application of exosomes as liquid biopsy in clinical diagnosis. 2020 , 5, 144		146

1617	Human umbilical cord-derived mesenchymal stem cells prevent the progression of early diabetic nephropathy through inhibiting inflammation and fibrosis. 2020 , 11, 336	44
1616	Extracellular Vesicles as Mediators of Cellular Cross Talk in the Lung Microenvironment. 2020 , 7, 326	15
1615	Emerging Role of Extracellular Vesicles in Embryo-Maternal Communication throughout Implantation Processes. 2020 , 21,	7
1614	Extracellular Vesicles in Acute Stroke Diagnostics. 2020 , 8,	7
1613	Circulating Exosomes Inhibit B Cell Proliferation and Activity. 2020 , 12,	7
1612	FCγRI Signaling in the Modulation of Allergic Response: Role of Mast Cell-Derived Exosomes. 2020 , 21,	9
1611	Circulating exosomes with lung self-antigens as a biomarker for chronic lung allograft dysfunction: A retrospective analysis. 2020 , 39, 1210-1219	9
1610	Microdomains form on the luminal face of neuronal extracellular vesicle membranes. 2020 , 10, 11953	6
1609	Mud in the blood: the role of protein-mineral complexes and extracellular vesicles in biomineralisation and calcification. 2020 , 212, 107577	18
1608	Role of Extracellular Vesicles in Influenza Virus Infection. 2020 , 10, 366	8
1607	The Emerging Role of Extracellular Vesicles in the Glioma Microenvironment: Biogenesis and Clinical Relevance. 2020 , 12,	9
1606	Immune Suppressive Effects of Plasma-Derived Exosome Populations in Head and Neck Cancer. 2020 , 12,	14
1605	The role of exosomal miR-375-3p: A potential suppressor in bladder cancer via the Wnt/β-catenin pathway. 2020 , 34, 12177-12196	16
1604	Extracellular vesicles: where the amyloid precursor protein carboxyl-terminal fragments accumulate and amyloid-β oligomerizes. 2020 , 34, 12922-12931	14
1603	Exosomes derived from HEK293T cells interact in an efficient and noninvasive manner with mammalian sperm. 2020 , 15, 1965-1980	11
1602	Perils and Promises of Pathogenic Protozoan Extracellular Vesicles. 2020 , 10, 371	4
1601	Human urine-derived stem cells protect against renal ischemia/reperfusion injury in a rat model via exosomal which targets. 2020 , 10, 9561-9578	28
1600	Effect of the Extracellular Vesicle RNA Cargo From Uropathogenic on Bladder Cells. 2020 , 7, 580913	3

1599	Diagnostic accuracy of cerebrospinal fluid and serum-isolated extracellular vesicles for glioblastoma: a systematic review and meta-analysis. 2020 , 20, 1075-1085	4
1598	MicroRNA-mediated vascular intercellular communication is altered in chronic kidney disease. 2020 ,	11
1597	The Function of Astrocyte Mediated Extracellular Vesicles in Central Nervous System Diseases. 2020 , 8, 568889	13
1596	Manipulation of Regulatory Dendritic Cells for Induction Transplantation Tolerance. 2020 , 11, 582658	5
1595	Preface - Extracellular vesicles: An exciting and rapidly expanding field of investigation. 2020 , 645, xv-xviii	
1594	Therapy-induced chemoexosomes: Sinister small extracellular vesicles that support tumor survival and progression. 2020 , 493, 113-119	4
1593	Role of microenvironmental acidity and tumor exosomes in cancer immunomodulation.. 2020 , 9, 5775-5786	1
1592	Potent Restriction of Sexual Zika Virus Infection by the Lipid Fraction of Extracellular Vesicles in Semen. 2020 , 11, 574054	4
1591	Induction of a proliferative response in the zebrafish retina by injection of extracellular vesicles. 2020 , 200, 108254	4
1590	Epigenetic crosstalk between hypoxia and tumor driven by HIF regulation. 2020 , 39, 224	19
1589	Component Identification and Functional Analysis of Outer Membrane Vesicles Released by. 2020 , 11, 518060	0
1588	Liquid Biopsy as a Tool Exploring in Real-Time Both Genomic Perturbation and Resistance to EGFR Antagonists in Colorectal Cancer. 2020 , 10, 581130	4
1587	Exploiting the Natural Properties of Extracellular Vesicles in Targeted Delivery towards Specific Cells and Tissues. 2020 , 12,	14
1586	Exosomes for Wound Healing: Purification Optimization and Identification of Bioactive Components. 2020 , 7, 2002596	14
1585	Macrophage-derived extracellular vesicles: diverse mediators of pathology and therapeutics in multiple diseases. 2020 , 11, 924	27
1584	Interplay between Endoplasmic Reticulum Stress and Large Extracellular Vesicles (Microparticles) in Endothelial Cell Dysfunction. 2020 , 8,	4
1583	Diameters and Fluorescence Calibration for Extracellular Vesicle Analyses by Flow Cytometry. 2020 , 21,	11
1582	Recent Advances in Extracellular Vesicles as Drug Delivery Systems and Their Potential in Precision Medicine. 2020 , 12,	19

1581	The Emerging Potential of Extracellular Vesicles in Cell-Free Tissue Engineering and Regenerative Medicine. 2021 , 27, 530-538	4
1580	2020 Jeffrey M. Hoeg Award Lecture: Calcifying Extracellular Vesicles as Building Blocks of Microcalcifications in Cardiovascular Disorders. 2021 , 41, 117-127	6
1579	Diagnostic and Therapeutic Potential of Extracellular Vesicles in B-Cell Malignancies. 2020 , 10, 580874	7
1578	Cancer Extracellular Vesicles: Next-Generation Diagnostic and Drug Delivery Nanotools. 2020 , 12,	11
1577	Concentrations of plasma-borne extracellular particles differ between multiple sclerosis disease courses and compared to healthy controls. 2020 , 45, 102446	6
1576	Sarcoidosis exosomes stimulate monocytes to produce pro-inflammatory cytokines and CCL2. 2020 , 10, 15328	7
1575	Extracellular vesicles in cancer progression: are they part of the problem or part of the solution?. 2020 , 15, 2625-2641	2
1574	A new hybrid immunocapture bioassay with improved reproducibility to measure tissue factor-dependent procoagulant activity of microvesicles from body fluids. 2020 , 196, 414-424	2
1573	Surface-Enhanced Raman Spectroscopy as a Tool for Distinguishing Extracellular Vesicles under Autophagic Conditions: A Marker for Disease Diagnostics. 2020 , 124, 10952-10960	8
1572	Extracellular vesicles released by anaerobic protozoan parasites: Current situation. 2020 , 22, e13257	6
1571	Extracellular vesicles derived from mesenchymal stromal cells mitigate intestinal toxicity in a mouse model of acute radiation syndrome. 2020 , 11, 371	12
1570	Immunomodulatory Effects of Mesenchymal Stem Cells and Mesenchymal Stem Cell-Derived Extracellular Vesicles in Rheumatoid Arthritis. 2020 , 11, 1912	24
1569	High-Fidelity Determination and Tracing of Small Extracellular Vesicle Cargoes. 2020 , 16, e2002800	4
1568	Characterization and heme oxygenase-1 content of extracellular vesicles in human biofluids. 2021 , 157, 2195-2209	6
1567	Extracellular Vesicles: From Biomarkers to Therapeutic Tools. 2020 , 9,	15
1566	Exploiting Manipulated Small Extracellular Vesicles to Subvert Immunosuppression at the Tumor Microenvironment through Mannose Receptor/CD206 Targeting. 2020 , 21,	7
1565	Myeloid Cell Modulation by Tumor-Derived Extracellular Vesicles. 2020 , 21,	7
1564	Extracellular vesicles from human iPSC-derived neural stem cells: miRNA and protein signatures, and anti-inflammatory and neurogenic properties. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809064	16.4 29

1563	Plasma extracellular vesicles detected by Single Molecule array technology as a liquid biopsy for colorectal cancer. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809765	16.4	21
1562	Extracellular Vesicles in Essential Hypertension: Hidden Messengers. 2020 , 22, 76		8
1561	Mesenchymal stem cell-based cell-free strategies: safe and effective treatments for liver injury. 2020 , 11, 377		27
1560	Extracellular Vesicles - Advanced Nanocarriers in Cancer Therapy: Progress and Achievements. 2020 , 15, 6485-6502		15
1559	Extracellular Vesicle-Dependent Cross-Talk in Cancer-Focus on Pancreatic Cancer. 2020 , 10, 1456		10
1558	The evolving translational potential of small extracellular vesicles in cancer. 2020 , 20, 697-709		113
1557	Plasma Exosomal Brain-Derived Neurotrophic Factor Correlated with the Postural Instability and Gait Disturbance-Related Motor Symptoms in Patients with Parkinson's Disease. 2020 , 10,		4
1556	MALDI-TOF Mass Spectrometry Revealed Significant Lipid Variations in Follicular Fluid and Somatic Follicular Cells but Not in Enclosed Oocytes between the Large Dominant and Small Subordinate Follicles in Bovine Ovary. 2020 , 21,		5
1555	miRNA profiling of primate cervicovaginal lavage and extracellular vesicles reveals miR-186-5p as a potential antiretroviral factor in macrophages. 2020 , 10, 2021-2039		1
1554	Extracellular Vesicles as Innovative Tool for Diagnosis, Regeneration and Protection against Neurological Damage. 2020 , 21,		23
1553	Macrophage secretion of miR-106b-5p causes renin-dependent hypertension. 2020 , 11, 4798		11
1552	Small extracellular vesicle-bound vascular endothelial growth factor secreted by carcinoma-associated fibroblasts promotes angiogenesis in a bevacizumab-resistant manner. 2020 , 492, 71-83		11
1551	Extracellular vesicles as natural therapeutic agents and innate drug delivery systems for cancer treatment: Recent advances, current obstacles, and challenges for clinical translation. 2020 , 80, 340-340		19
1550	Hybrid Nanoplasmonic Porous Biomaterial Scaffold for Liquid Biopsy Diagnostics Using Extracellular Vesicles. 2020 , 5, 2820-2833		19
1549	Characterization of brain-derived extracellular vesicles reveals changes in cellular origin after stroke and enrichment of the prion protein with a potential role in cellular uptake. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809065	16.4	14
1548	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Opportunities and Challenges for Clinical Translation. 2020 , 8, 997		30
1547	Engineered Extracellular Vesicles: Tailored-Made Nanomaterials for Medical Applications. 2020 , 10,		38
1546	Immune (Cell) Derived Exosome Mimetics (IDEM) as a Treatment for Ovarian Cancer. 2020 , 8, 553576		16

1545	Extracellular Vesicles as Nanotherapeutics for Parkinson's Disease. 2020 , 10,		5
1544	Viral Protein-Pseudotyped and siRNA-Electroporated Extracellular Vesicles for Cancer Immunotherapy. 2020 , 30, 2006515		17
1543	Characterization and internalization of small extracellular vesicles released by human primary macrophages derived from circulating monocytes. 2020 , 15, e0237795		5
1542	Cytokine profiling in serum-derived exosomes isolated by different methods. 2020 , 10, 14069		23
1541	Expression Analysis of Muscle-Specific miRNAs in Plasma-Derived Extracellular Vesicles from Patients with Chronic Obstructive Pulmonary Disease. 2020 , 10,		6
1540	Emerging Insights on the Biological Impact of Extracellular Vesicle-Associated ncRNAs in Multiple Myeloma. 2020 , 6,		4
1539	Evidence of sequestration of triclabendazole and associated metabolites by extracellular vesicles of <i>Fasciola hepatica</i> . 2020 , 10, 13445		7
1538	Experimental and Biological Insights from Proteomic Analyses of Extracellular Vesicle Cargos in Normalcy and Disease. 2020 , 4, e2000069		3
1537	Mesenchymal stromal cell-derived small extracellular vesicles restore lung architecture and improve exercise capacity in a model of neonatal hyperoxia-induced lung injury. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1790874	16.4	27
1536	Systematic review of extracellular vesicle-based treatments for lung injury: are EVs a potential therapy for COVID-19?. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1795365	16.4	27
1535	Salivary extracellular vesicles inhibit Zika virus but not SARS-CoV-2 infection. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1808281	16.4	10
1534	EVs and Bioengineering: From Cellular Products to Engineered Nanomachines. 2020 , 21,		17
1533	Versatility of Induced Pluripotent Stem Cells (iPSCs) for Improving the Knowledge on Musculoskeletal Diseases. 2020 , 21,		6
1532	Specialized Cell-Free DNA Blood Collection Tubes Can Be Repurposed for Extracellular Vesicle Isolation: A Pilot Study. 2020 , 18, 462-470		4
1531	Exosomes in Nephropathies: A Rich Source of Novel Biomarkers. 2020 , 2020, 8897833		6
1530	Conservation of Cell Communication Systems in Invertebrate Host-Defence Mechanisms: Possible Role in Immunity and Disease. 2020 , 9,		4
1529	Extracellular Vesicles in the Development of Cancer Therapeutics. 2020 , 21,		18
1528	Small Extracellular Vesicles from Human Fetal Dermal Cells and Their MicroRNA Cargo: KEGG Signaling Pathways Associated with Angiogenesis and Wound Healing. 2020 , 2020, 8889379		4

1527	Glycan Node Analysis of Plasma-Derived Extracellular Vesicles. 2020 , 9,	6
1526	Proteomic Profiling of Extracellular Vesicles Derived from Cerebrospinal Fluid of Alzheimer's Disease Patients: A Pilot Study. 2020 , 9,	23
1525	Polarized human cholangiocytes release distinct populations of apical and basolateral small extracellular vesicles. 2020 , 31, 2463-2474	3
1524	Exosomal miR-145-5p derived from orthohantavirus-infected endothelial cells inhibits HTNV infection. 2020 , 34, 13809-13825	4
1523	Mastering the Tools: Natural versus Artificial Vesicles in Nanomedicine. 2020 , 9, e2000731	12
1522	Exosomes: A Source for New and Old Biomarkers in Cancer. 2020 , 12,	19
1521	Internalization of trophoblastic small extracellular vesicles and detection of their miRNA cargo in P-bodies. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1812261	16.4 11
1520	Information Transfer and Biological Significance of Neoplastic Exosomes in the Tumor Microenvironment of Osteosarcoma. 2020 , 13, 8931-8940	3
1519	Extracellular vesicles in Inflammatory Skin Disorders: from Pathophysiology to Treatment. 2020 , 10, 9937-9955	10
1518	Milk Exosomes: Perspective Agents for Anticancer Drug Delivery. 2020 , 21,	20
1517	Extracellular Vesicles in Bone Metastasis: Key Players in the Tumor Microenvironment and Promising Therapeutic Targets. 2020 , 21,	8
1516	Low-Vacuum Filtration as an Alternative Extracellular Vesicle Concentration Method: A Comparison with Ultracentrifugation and Differential Centrifugation. 2020 , 12,	3
1515	Immunoregulatory Roles of Extracellular Vesicles and Associated Therapeutic Applications in Lung Cancer. 2020 , 11, 2024	14
1514	Role of exosomes in malignant glioma: microRNAs and proteins in pathogenesis and diagnosis. 2020 , 18, 120	33
1513	Lipidomic Biomarkers of Extracellular Vesicles for the Prediction of Preterm Birth in the Early Second Trimester. 2020 , 19, 4104-4113	5
1512	Measurement and standardization challenges for extracellular vesicle therapeutic delivery vectors. 2020 , 15, 2149-2170	7
1511	miRNA Profiling of Circulating Small Extracellular Vesicles From Subarachnoid Hemorrhage Rats Using Next-Generation Sequencing. 2020 , 14, 242	2
1510	Extracellular Vesicles: New Endogenous Shuttles for miRNAs in Cancer Diagnosis and Therapy?. 2020 , 21,	14

1509	A Review of Exosomal Isolation Methods: Is Size Exclusion Chromatography the Best Option?. 2020 , 21,		117
1508	Large Extracellular Vesicles-A New Frontier of Liquid Biopsy in Oncology. 2020 , 21,		8
1507	Type 2 Diabetes Mellitus Induced Paracrine Effects on Breast Cancer Metastasis Through Extracellular Vesicles Derived from Human Mesenchymal Stem Cells. 2020 , 29, 1382-1394		5
1506	Small Extracellular Vesicles from Lipopolysaccharide-Preconditioned Dental Follicle Cells Promote Periodontal Regeneration in an Inflammatory Microenvironment. 2020 , 6, 5797-5810		11
1505	Quantification of extracellular vesicles and using sensitive bioluminescence imaging. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1800222	16.4	45
1504	The future of Extracellular Vesicles as Theranostics - an ISEV meeting report. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809766	16.4	23
1503	Management of retinitis pigmentosa by Wharton's jelly-derived mesenchymal stem cells: prospective analysis of 1-year results. 2020 , 11, 353		15
1502	Immune profiling of plasma-derived extracellular vesicles identifies Parkinson disease. 2020 , 7,		17
1501	Vesiclemia: counting on extracellular vesicles for glioblastoma patients. 2020 , 39, 6043-6052		7
1500	Multiresolution Imaging Using Bioluminescence Resonance Energy Transfer Identifies Distinct Biodistribution Profiles of Extracellular Vesicles and Exomeres with Redirected Tropism. 2020 , 7, 2001467		24
1499	Potential therapeutic application of mesenchymal stem cell-derived exosomes in SARS-CoV-2 pneumonia. 2020 , 11, 356		49
1498	Expression Profiles of Exosomal MicroRNAs from HEV- and HCV-Infected Blood Donors and Patients: A Pilot Study. 2020 , 12,		6
1497	Mechanical stimulation of Schwann cells promote peripheral nerve regeneration via extracellular vesicle-mediated transfer of microRNA 23b-3p. 2020 , 10, 8974-8995		5
1496	Human ESC-sEVs alleviate age-related bone loss by rejuvenating senescent bone marrow-derived mesenchymal stem cells. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1800971	16.4	11
1495	Distinct molecular and immunological properties of circulating exosomes isolated from pediatric lung transplant recipients with bronchiolitis obliterans syndrome - a retrospective study. 2020 , 33, 1491-1502		4
1494	The Involvement of Exosomes in Glioblastoma Development, Diagnosis, Prognosis, and Treatment. 2020 , 10,		17
1493	Role of Brain Derived Extracellular Vesicles in Decoding Sex Differences Associated with Nicotine Self-Administration. 2020 , 9,		6
1492	Impact of Extracellular Vesicle Isolation Methods on Downstream Mirna Analysis in Semen: A Comparative Study. 2020 , 21,		11

1491	Cargo and cell-specific differences in extracellular vesicle populations identified by multiplexed immunofluorescent analysis. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1789326	16.4	10
1490	CSF extracellular vesicle proteomics demonstrates altered protein homeostasis in amyotrophic lateral sclerosis. 2020 , 17, 31		13
1489	Extracellular Vesicle-Based Communication May Contribute to the Co-Evolution of Cancer Stem Cells and Cancer-Associated Fibroblasts in Anti-Cancer Therapy. 2020 , 12,		4
1488	MiRNA let-7 from TPO(+) Extracellular Vesicles is a Potential Marker for a Differential Diagnosis of Follicular Thyroid Nodules. 2020 , 9,		11
1487	Uptake and Fate of Extracellular Membrane Vesicles: Nucleoplasmic Reticulum-Associated Late Endosomes as a New Gate to Intercellular Communication. 2020 , 9,		11
1486	Exosomes in Angiogenesis and Anti-angiogenic Therapy in Cancers. 2020 , 21,		34
1485	Evidence for Enhanced Exosome Production in Aromatase Inhibitor-Resistant Breast Cancer Cells. 2020 , 21,		16
1484	Critical Roles of Tumor Extracellular Vesicles in the Microenvironment of Thoracic Cancers. 2020 , 21,		8
1483	Cholera Toxin Subunit B for Sensitive and Rapid Determination of Exosomes by Gel Filtration. 2020 , 10,		5
1482	Purification Methods and the Presence of RNA in Virus Particles and Extracellular Vesicles. 2020 , 12,		3
1481	Stem Cell-Derived Exosomes as Therapeutic Approach for Neurodegenerative Disorders: From Biology to Biotechnology. 2020 , 9,		9
1480	Hydrogels and Dentin-Pulp Complex Regeneration: From the Benchtop to Clinical Translation. 2020 , 12,		12
1479	Extracellular vesicles report on the MET status of their cells of origin regardless of the method used for their isolation. 2020 , 10, 19020		2
1478	hBMSC-Derived Extracellular Vesicles Attenuate IL-1 β -Induced Catabolic Effects on OA-Chondrocytes by Regulating Pro-inflammatory Signaling Pathways. 2020 , 8, 603598		13
1477	Altered Insulin Receptor Substrate 1 Phosphorylation in Blood Neuron-Derived Extracellular Vesicles From Patients With Parkinson's Disease. 2020 , 8, 564641		4
1476	Extracellular Vesicles from Adipose Tissue Stem Cells in Diabetes and Associated Cardiovascular Disease; Pathobiological Impact and Therapeutic Potential. 2020 , 21,		5
1475	Editorial commentary: How to implement research studies on extracellular vesicle administration in myocardial infarction. 2021 , 31, 416-418		1
1474	Endothelial and Leukocyte-Derived Microvesicles and Cardiovascular Risk After Stroke: PROSCIS-B. 2021 , 96, e937-e946		11

1473	Mesenchymal Stromal Cell-Derived Extracellular Vesicles - Silver Linings for Cartilage Regeneration?. 2020 , 8, 593386	5
1472	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Reduce Neuroinflammation, Promote Neural Cell Proliferation and Improve Oligodendrocyte Maturation in Neonatal Hypoxic-Ischemic Brain Injury. 2020 , 14, 601176	15
1471	Analysis of Cerebrospinal Fluid Extracellular Vesicles by Proximity Extension Assay: A Comparative Study of Four Isolation Kits. 2020 , 21,	4
1470	Cellular, Extracellular and Extracellular Vesicular miRNA Profiles of Pre-Ovulatory Follicles Indicate Signaling Disturbances in Polycystic Ovaries. 2020 , 21,	8
1469	Extracellular Vesicles: Roles in Human Viral Infections, Immune-Diagnostic, and Therapeutic Applications. 2020 , 9,	20
1468	Strategies to Improve Chimeric Antigen Receptor Therapies for Neuroblastoma. 2020 , 8,	2
1467	Weiss Response to Sengupta et al. (DOI: 10.1089/scd.2020.0095). 2020 , 29, 1533-1534	1
1466	Human multipotent mesenchymal stromal cells cytokine priming promotes RAB27B-regulated secretion of small extracellular vesicles with immunomodulatory cargo. 2020 , 11, 539	13
1465	Scaffolds and Extracellular Vesicles as a Promising Approach for Cardiac Regeneration after Myocardial Infarction. 2020 , 12,	2
1464	Rigor and standardization of extracellular vesicle research: Paving the road towards robustness. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12037	16.4 15
1463	Biomarkers for suicidal behavior: miRNAs and their potential for diagnostics through liquid biopsy -a systematic review. 2020 , 12, 2219-2235	1
1462	Influence of Extracellular Vesicles Isolated From Osteoblasts of Patients With Cox-Arthrosis and/or Osteoporosis on Metabolism and Osteogenic Differentiation of BMSCs. 2020 , 8, 615520	12
1461	Extracellular Vesicles Are Key Regulators of Tumor Neovasculature. 2020 , 8, 611039	13
1460	Extracellular Vesicles Modulate Gut Epithelial Cell Innate Immunity FomA and TLR2. 2020 , 11, 583644	8
1459	The Functional Heterogeneity of Neutrophil-Derived Extracellular Vesicles Reflects the Status of the Parent Cell. 2020 , 9,	15
1458	Circulating Melanoma-Derived Extracellular Vesicles: Impact on Melanoma Diagnosis, Progression Monitoring, and Treatment Response. 2020 , 13,	7
1457	Extracellular Vesicles in Trypanosomatids: Host Cell Communication. 2020 , 10, 602502	14
1456	An intact membrane is essential for small extracellular vesicle-induced modulation of β synuclein fibrillization. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12034	16.4 3

1455	An exploratory analysis of extracellular vesicle-associated and soluble cytokines in cancer-related fatigue in men with prostate cancer. 2020 , 9, 100140		3
1454	An insight into small extracellular vesicles: Their roles in colorectal cancer progression and potential clinical applications. 2020 , 10, e249		4
1453	Announcing the ISEV2020 special achievement award recipients: Andrew Hill and Edit Buzsáki; and the recipient of the ISEV2020 special education award: Carolina Soekmadji. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12021	16.4	
1452	Methamphetamine use alters human plasma extracellular vesicles and their microRNA cargo: An exploratory study. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12028	16.4	11
1451	Extracellular vesicles derived from macrophages display glycyL-tRNA synthetase 1 and exhibit anti-cancer activity. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12029	16.4	4
1450	Hitting the Bullseye: Are extracellular vesicles on target?. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12032	16.4	4
1449	Functional assays to assess the therapeutic potential of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12033	16.4	20
1448	Environmental control of mammary carcinoma cell expansion by acidification and spheroid formation in vitro. 2020 , 10, 21959		2
1447	Hypoxia and extracellular vesicles: A review on methods, vesicular cargo and functions. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12002	16.4	28
1446	EGFR-rich extracellular vesicles derived from highly metastatic nasopharyngeal carcinoma cells accelerate tumour metastasis through PI3K/AKT pathway-suppressed ROS. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12003	16.4	12
1445	The proteomic landscape of small urinary extracellular vesicles during kidney transplantation. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12026	16.4	10
1444	Hypoxic exosomes orchestrate tumorigenesis: molecular mechanisms and therapeutic implications. 2020 , 18, 474		18
1443	Systemic Mesenchymal Stem Cell-Derived Exosomes Reduce Myocardial Infarct Size: Characterization With MRI in a Porcine Model. 2020 , 7, 601990		20
1442	Extracellular Vesicles and Damage-Associated Molecular Patterns: A Pandora's Box in Health and Disease. 2020 , 11, 601740		10
1441	Versatile Role of Rab27a in Glioma: Effects on Release of Extracellular Vesicles, Cell Viability, and Tumor Progression. 2020 , 7, 554649		1
1440	The Role of Exosomal Non-Coding RNAs in Coronary Artery Disease. 2020 , 11, 603104		5
1439	Considerations for the Analysis of Small Extracellular Vesicles in Physical Exercise. 2020 , 11, 576150		7
1438	The miRNA Content of Exosomes Released from the Glioma Microenvironment Can Affect Malignant Progression. 2020 , 8,		6

1437	Exosomes: Emerging Diagnostic and Therapeutic Targets in Cutaneous Diseases. 2020 , 21,	7
1436	Fluorescence-Based Nanoparticle Tracking Analysis and Flow Cytometry for Characterization of Endothelial Extracellular Vesicle Release. 2020 , 21,	3
1435	Extracellular Vesicles as Unique Signaling Messengers: Role in Lung Diseases. 2020 , 11, 1351-1369	3
1434	Cross-Kingdom Extracellular Vesicles EV-RNA Communication as a Mechanism for Host-Pathogen Interaction. 2020 , 10, 593160	11
1433	Ischemic Cerebral Endothelial Cell-Derived Exosomes Promote Axonal Growth. 2020 , 51, 3701-3712	9
1432	Brain Tumor-Derived Extracellular Vesicles as Carriers of Disease Markers: Molecular Chaperones and MicroRNAs. 2020 , 10, 6961	1
1431	The Extracellular Matrix and Vesicles Modulate the Breast Tumor Microenvironment. 2020 , 7,	8
1430	Size-Exclusion Chromatography as a Technique for the Investigation of Novel Extracellular Vesicles in Cancer. 2020 , 12,	5
1429	Employing Flow Cytometry to Extracellular Vesicles Sample Microvolume Analysis and Quality Control. 2020 , 8, 593750	14
1428	Extracellular miR-574-5p Induces Osteoclast Differentiation via TLR 7/8 in Rheumatoid Arthritis. 2020 , 11, 585282	16
1427	Mesenchymal Stromal Cells' Therapy for Polyglutamine Disorders: Where Do We Stand and Where Should We Go?. 2020 , 14, 584277	2
1426	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. 2020 , 18, 177	7
1425	The Biological Function of Extracellular Vesicles during Fertilization, Early Embryo-Maternal Crosstalk and Their Involvement in Reproduction: Review and Overview. 2020 , 10,	8
1424	Extracellular Vesicles in Head and Neck Cancer: A Potential New Trend in Diagnosis, Prognosis, and Treatment. 2020 , 21,	8
1423	Immunization With Outer Membrane Vesicles Derived From Major Outer Membrane Protein-Deficient Typhimurium Mutants for Cross Protection Against Enteritidis and Avian Pathogenic O78 Infection in Chickens. 2020 , 11, 588952	3
1422	The Potential of Mesenchymal Stromal Cell as Therapy in Neonatal Diseases. 2020 , 8, 591693	11
1421	Signal Transduction Pathways Activated by Innate Immunity in Mast Cells: Translating Sensing of Changes into Specific Responses. 2020 , 9,	13
1420	Human Adipose Tissue-Derived Stromal Cells Suppress Human, but Not Murine Lymphocyte Proliferation, via Indoleamine 2,3-Dioxygenase Activity. 2020 , 9,	5

1419	Oligodendrocyte-derived extracellular vesicles as antigen-specific therapy for autoimmune neuroinflammation in mice. 2020 , 12,	18
1418	Extracellular Vesicle Dissemination of Epidermal Growth Factor Receptor and Ligands and Its Role in Cancer Progression. 2020 , 12,	10
1417	Brain metastases-derived extracellular vesicles induce binding and aggregation of low-density lipoprotein. 2020 , 18, 162	14
1416	Bioinspired Extracellular Vesicles: Lessons Learned From Nature for Biomedicine and Bioengineering. 2020 , 10,	8
1415	Effects of exercise modalities on BDNF and IL-1 β content in circulating total extracellular vesicles and particles obtained from aged rats. 2020 , 142, 111124	5
1414	Exosomal arrow (Arr)/lipoprotein receptor protein 6 (LRP6) in <i>Drosophila melanogaster</i> increases the extracellular level of <i>Sol narae</i> (Sona) in a Wnt-independent manner. 2020 , 11, 944	1
1413	Regenerative Role of Stem Cell-Derived Extracellular Vesicles in Acute Kidney Injury. 2020 , 144, 638-643	3
1412	Extracellular Vesicles From High Glucose-Treated Podocytes Induce Apoptosis of Proximal Tubular Epithelial Cells. 2020 , 11, 579296	5
1411	DNA Associated with Circulating Exosomes as a Biomarker for Glioma. 2020 , 11,	3
1410	Transfer of MicroRNA via Macrophage-Derived Extracellular Vesicles Promotes Proneural-to-Mesenchymal Transition in Glioma Stem Cells. 2020 , 8, 966-981	19
1409	Three Method-Combination Protocol for Improving Purity of Extracellular Vesicles. 2020 , 21,	4
1408	Protein markers for EVs include claudin-like Sur7 family proteins. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1750810	16.4 21
1407	Biological effects of selective COX-2 inhibitor NS398 on human glioblastoma cell lines. 2020 , 20, 167	9
1406	Characterization of Plasma-Derived Small Extracellular Vesicles Indicates Ongoing Endothelial and Platelet Activation in Patients with Thrombotic Antiphospholipid Syndrome. 2020 , 9,	7
1405	Tumor-derived exosomes promote angiogenesis via adenosine A receptor signaling. 2020 , 23, 599-610	30
1404	Bone Marrow Mesenchymal Stem Cell-Derived Exosomes Improves Spinal Cord Function After Injury in Rats by Activating Autophagy. 2020 , 14, 1621-1631	20
1403	Controlled Release of Stem Cell Secretome Attenuates Inflammatory Response against Implanted Biomaterials. 2020 , 9, e1901874	5
1402	Synergies in exosomes and autophagy pathways for cellular homeostasis and metastasis of tumor cells. 2020 , 10, 64	47

1401	MiR-519d-3p in Trophoblastic Cells: Effects, Targets and Transfer to Allogeneic Immune Cells via Extracellular Vesicles. 2020 , 21,	12
1400	Acute Lung Injury: Disease Modelling and the Therapeutic Potential of Stem Cells. 2020 , 1298, 149-166	8
1399	Knockout of MMP3 Weakens Solid Tumor Organoids and Cancer Extracellular Vesicles. 2020 , 12,	19
1398	Liquid Biopsies in Hepatocellular Carcinoma: Are We Winning?. 2020 , 9,	19
1397	Senescent Stromal Cells Promote Cancer Resistance through SIRT1 Loss-Potentiated Overproduction of Small Extracellular Vesicles. 2020 , 80, 3383-3398	24
1396	Breaking through the glioblastoma micro-environment via extracellular vesicles. 2020 , 39, 4477-4490	36
1395	Proteomic Profiling of Small Extracellular Vesicles Secreted by Human Pancreatic Cancer Cells Implicated in Cellular Transformation. 2020 , 10, 7713	8
1394	Molecular imaging of extracellular vesicles in vitro via Raman metabolic labelling. 2020 , 8, 4447-4459	6
1393	The Course of Circulating Small Extracellular Vesicles in Patients Undergoing Surgical Aortic Valve Replacement. 2020 , 2020, 6381396	4
1392	The Role of Extracellular Vesicles in the Hallmarks of Cancer and Drug Resistance. 2020 , 9,	45
1391	Mesenchymal Stem/Stromal Cell-Derived Exosomes for Immunomodulatory Therapeutics and Skin Regeneration. 2020 , 9,	91
1390	Roles of Exosomes from Mesenchymal Stem Cells in Treating Osteoarthritis. 2020 , 22, 107-117	9
1389	Plasma-Derived Extracellular Vesicles Convey Protein Signatures that Reflect Pathophysiology in Lung and Pancreatic Adenocarcinomas. 2020 , 12,	12
1388	Extracellular Vesicle Delivery of TRAIL Eradicates Resistant Tumor Growth in Combination with CDK Inhibition by Dinaciclib. 2020 , 12,	13
1387	Mesenchymal stromal/stem cell-derived extracellular vesicles in tissue repair: challenges and opportunities. 2020 , 10, 5979-5997	61
1386	Clinical applications of extracellular vesicle long RNAs. 2020 , 57, 508-521	6
1385	Stimulating pro-reparative immune responses to prevent adverse cardiac remodelling: consensus document from the joint 2019 meeting of the ESC Working Groups of cellular biology of the heart and myocardial function. 2020 , 116, 1850-1862	7
1384	Beyond HIV infection: Neglected and varied impacts of CCR5 and CCR5B2 on viral diseases. 2020 , 286, 198040	13

1383	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. 2020 , 17, 685-697	80
1382	Extracellular Vesicles Derived From Platelets, Red Blood Cells, and Monocyte-Like Cells Differ Regarding Their Ability to Induce Factor XII-Dependent Thrombin Generation. 2020 , 8, 298	11
1381	Secretory Autophagy and Its Relevance in Metabolic and Degenerative Disease. 2020 , 11, 266	15
1380	Extracellular vesicles derived from different sources of mesenchymal stem cells: therapeutic effects and translational potential. 2020 , 10, 69	39
1379	[Liquid biopsy for cancer diagnosis: the potential of exosomes and circulating miRNAs]. 2020 , 57, 99-108	
1378	Young at Heart: Combining Strategies to Rejuvenate Endogenous Mechanisms of Cardiac Repair. 2020 , 8, 447	10
1377	Small extracellular vesicles derived from human MSCs prevent allergic airway inflammation via immunomodulation on pulmonary macrophages. 2020 , 11, 409	10
1376	Mesenchymal and Induced Pluripotent Stem Cells-Derived Extracellular Vesicles: The New Frontier for Regenerative Medicine?. 2020 , 9,	22
1375	Adult Stem Cell-Derived Extracellular Vesicles in Cancer Treatment: Opportunities and Challenges. 2020 , 9,	17
1374	Innovative Visualization and Quantification of Extracellular Vesicles Interaction with and Incorporation in Target Cells in 3D Microenvironments. 2020 , 9,	7
1373	The LC3-conjugation machinery specifies cargo loading and secretion of extracellular vesicles. 2020 , 16, 1169-1171	2
1372	Tripeptides Val-Pro-Pro (VPP) and Ile-Pro-Pro (IPP) Regulate the Proliferation and Migration of Vascular Smooth Muscle Cells by Interfering Ang II-Induced Human Umbilical Vein Endothelial Cells Derived EVs Delivering RNAs to VSMCs in the Co-culture Model. 2020 , 68, 6628-6637	4
1371	Mechanisms for biogenesis and release of neuronal extracellular vesicles. 2020 , 63, 104-110	6
1370	Liquid biopsy for breast cancer using extracellular vesicles and cell-free microRNAs as biomarkers. 2020 , 223, 40-60	15
1369	Exosomes as drug carriers for cancer therapy and challenges regarding exosome uptake. 2020 , 128, 110237	51
1368	Extracellular vesicle cross-talk in the liposarcoma microenvironment. 2020 , 487, 27-33	4
1367	RNA delivery by extracellular vesicles in mammalian cells and its applications. 2020 , 21, 585-606	410
1366	Emerging technologies for profiling extracellular vesicle heterogeneity. 2020 , 20, 2423-2437	32

1365	The Potential of CD16 on Plasma-Derived Exosomes as a Liquid Biomarker in Head and Neck Cancer. 2020 , 21,	5
1364	Differential packaging of inflammatory cytokines/ chemokines and oxidative stress modulators in U937 and U1 macrophages-derived extracellular vesicles upon exposure to tobacco constituents. 2020 , 15, e0233054	8
1363	Nanomedicine to target multidrug resistant tumors. 2020 , 52, 100704	42
1362	Role of adipose tissue in regulating fetal growth in gestational diabetes mellitus. 2020 , 102, 39-48	3
1361	Follicular extracellular vesicles enhance meiotic resumption of domestic cat vitrified oocytes. 2020 , 10, 8619	13
1360	The Proosteogenic and Proangiogenic Effects of Small Extracellular Vesicles Derived from Bone Marrow Mesenchymal Stem Cells Are Attenuated in Steroid-Induced Osteonecrosis of the Femoral Head. 2020 , 2020, 4176926	5
1359	Extracellular Vesicles in Renal Cell Carcinoma: Multifaceted Roles and Potential Applications Identified by Experimental and Computational Methods. 2020 , 10, 724	9
1358	Cdc42-Dependent Transfer of mir301 from Breast Cancer-Derived Extracellular Vesicles Regulates the Matrix Modulating Ability of Astrocytes at the Blood-Brain Barrier. 2020 , 21,	10
1357	Growing pains: addressing the pitfalls of plant extracellular vesicle research. 2020 , 228, 1505-1510	17
1356	Successful muscle regeneration by a homologous microperforated scaffold seeded with autologous mesenchymal stromal cells in a porcine esophageal substitution model. 2020 , 13, 1756284820923220	2
1355	Extracellular vesicles in diabetes mellitus induce alterations in endothelial cell morphology and migration. 2020 , 18, 230	17
1354	The Role of Extracellular Vesicles in Cell Function and Viability: A Scoping Review. 2020 , 11, 375	7
1353	Serum small extracellular vesicle-derived LINC00853 as a novel diagnostic marker for early hepatocellular carcinoma. 2020 , 14, 2646-2659	18
1352	The role of extracellular vesicles in COVID-19 virus infection. 2020 , 85, 104422	97
1351	Exosomes as a Multicomponent Biomarker Platform in Cancer. 2020 , 6, 767-774	97
1350	MiRNA Profiling in Plasma Neural-Derived Small Extracellular Vesicles from Patients with Alzheimer's Disease. 2020 , 9,	23
1349	Small RNA fingerprinting of Alzheimer's disease frontal cortex extracellular vesicles and their comparison with peripheral extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1766822	16.4 24
1348	Use of Stem Cell Extracellular Vesicles as a "Holistic" Approach to CNS Repair. 2020 , 8, 455	13

1347	Extracellular vesicle long non-coding RNAs and circular RNAs: Biology, functions and applications in cancer. 2020 , 489, 111-120	24
1346	Emerging roles of microRNAs as extracellular vesicle cargo secreted from osteoblasts. 2020 , 62, 228-234	5
1345	HucMSC-exosomes carrying miR-326 inhibit neddylation to relieve inflammatory bowel disease in mice. 2020 , 10, e113	34
1344	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Good Things Come in Small Packages. 2020 , 48, 1095-1097	0
1343	LIQD Cornea: Pro-regeneration collagen mimetics as patches and alternatives to corneal transplantation. 2020 , 6,	31
1342	The GABARAP Co-Secretome Identified by APEX2-GABARAP Proximity Labelling of Extracellular Vesicles. 2020 , 9,	5
1341	Small Extracellular Vesicles Have GST Activity and Ameliorate Senescence-Related Tissue Damage. 2020 , 32, 71-86.e5	38
1340	An miRNA fingerprint using neural-enriched extracellular vesicles from blood plasma: towards a biomarker for amyotrophic lateral sclerosis/motor neuron disease. 2020 , 10, 200116	26
1339	MicroRNA-181a as novel liquid biopsy marker of central nervous system involvement in pediatric acute lymphoblastic leukemia. 2020 , 18, 250	9
1338	Exosomes: roles and therapeutic potential in osteoarthritis. 2020 , 8, 25	64
1337	Extracellular Vesicles: Current Analytical Techniques for Detection and Quantification. 2020 , 10,	20
1336	Urinary Biomarkers in Bladder Cancer: Where Do We Stand and Potential Role of Extracellular Vesicles. 2020 , 12,	19
1335	Transformation of Hematopoietic Stem and Progenitor Cells by Leukemia Extracellular Vesicles: A Step Toward Leukemogenesis. 2020 , 16, 1081-1091	4
1334	Extracellular vesicles as actors in the air pollution related cardiopulmonary diseases. 2020 , 50, 402-423	6
1333	Post-translational Modification Regulates Formation and Cargo-Loading of Extracellular Vesicles. 2020 , 11, 948	25
1332	The Long and Short of It: The Emerging Roles of Non-Coding RNA in Small Extracellular Vesicles. 2020 , 12,	24
1331	Nanoparticle-based biosensors for detection of extracellular vesicles in liquid biopsies. 2020 , 8, 6710-6738	15
1330	Testing the endometrium: is there enough evidence to justify clinical use?. 2020 , 32, 185-190	2

1329	Tumor-Derived Exosomes in Immunosuppression and Immunotherapy. 2020 , 2020, 6272498		43
1328	Cross talk between mesenchymal and glioblastoma stem cells: Communication beyond controversies. 2020 , 9, 1310-1330		13
1327	Emerging role of extracellular vesicles in the respiratory system. 2020 , 52, 887-895		18
1326	Small extracellular vesicles modulated by $\alpha 5 \beta 1$ integrin induce neuroendocrine differentiation in recipient cancer cells. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1761072	16.4	15
1325	The $\alpha 5 \beta 1$ integrin in cancer cell-derived small extracellular vesicles enhances angiogenesis. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1763594	16.4	21
1324	Y-RNA subtype ratios in plasma extracellular vesicles are cell type- specific and are candidate biomarkers for inflammatory diseases. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1764213	16.4	20
1323	Indoor dust extracellular vesicles promote cancer lung metastasis by inducing tumour necrosis factor- α . <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1766821	16.4	2
1322	Triple knockdown of CDC37, HSP90-alpha and HSP90-beta diminishes extracellular vesicles-driven malignancy events and macrophage M2 polarization in oral cancer. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1769373	16.4	26
1321	Neuroblastoma-secreted exosomes carrying miR-375 promote osteogenic differentiation of bone-marrow mesenchymal stromal cells. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1774144	16.4	11
1320	miR-23a-3p-abundant small extracellular vesicles released from Gelma/nanoclay hydrogel for cartilage regeneration. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1778883	16.4	52
1319	Exosomes Isolated From Platelet-Rich Plasma and Mesenchymal Stem Cells Promote Recovery of Function After Muscle Injury. 2020 , 48, 2277-2286		17
1318	Extracellular Vesicles miRNA Cargo for Microglia Polarization in Traumatic Brain Injury. 2020 , 10,		16
1317	The Efficacy of Stem Cells Secretome Application in Osteoarthritis: A Systematic Review of In Vivo Studies. 2020 , 16, 1222-1241		5
1316	Epstein-Barr Virus LMP1 Promotes Syntenin-1- and Hrs-Induced Extracellular Vesicle Formation for Its Own Secretion To Increase Cell Proliferation and Migration. 2020 , 11,		16
1315	Extracellular Vesicles-Loaded Fibrin Gel Supports Rapid Neovascularization for Dental Pulp Regeneration. 2020 , 21,		13
1314	Plasma exosomes protect against cerebral ischemia/reperfusion injury via exosomal HSP70 mediated suppression of ROS. 2020 , 256, 117987		12
1313	MicroRNA Alterations in a Tg501 Mouse Model of Prion Disease. 2020 , 10,		2
1312	Aiming to Compare Apples to Apples: Analysis of Extracellular Vesicles and Other Nanosized Particles by Flow Cytometry. 2020 , 97, 566-568		1

1311	Proinflammatory Extracellular Vesicle-Mediated Signaling Contributes to the Induction of Neuroinflammation in Animal Models of Endotoxemia and Peripheral Surgical Stress. 2021 , 41, 1325-1336	1
1310	Mesenchymal Stem Cell-Derived Extracellular Vesicles Alleviate Acute Lung Injury Via Transfer of miR-27a-3p. 2020 , 48, e599-e610	40
1309	Protective effect of fungal extracellular vesicles against murine candidiasis. 2020 , 22, e13238	23
1308	Circulatory Astrocyte and Neuronal EVs as Potential Biomarkers of Neurological Dysfunction in HIV-Infected Subjects and Alcohol/Tobacco Users. 2020 , 10,	8
1307	Oviductal Extracellular Vesicles Improve Post-Thaw Sperm Function in Red Wolves and Cheetahs. 2020 , 21,	13
1306	The role of exosomes in stroke. 2020 , 47, 6217-6228	5
1305	Extracellular vesicles derived from fat-laden hepatocytes undergoing chemical hypoxia promote a pro-fibrotic phenotype in hepatic stellate cells. 2020 , 1866, 165857	14
1304	Regulatory T Cell Extracellular Vesicles Modify T-Effector Cell Cytokine Production and Protect Against Human Skin Allograft Damage. 2020 , 8, 317	20
1303	Re: "Exosomes Derived from Bone Marrow Mesenchymal Stem Cells as Treatment for Severe COVID-19" by Sengupta et al. 2020 , 29, 877-878	16
1302	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. 2020 , 12,	33
1301	The Immunomodulatory Signature of Extracellular Vesicles From Cardiosphere-Derived Cells: A Proteomic and miRNA Profiling. 2020 , 8, 321	8
1300	Modulating Cytokine Production via Select Packaging and Secretion From Extracellular Vesicles. 2020 , 11, 1040	24
1299	Extracellular Vesicles as Potential Prognostic Markers of Lymphatic Dysfunction. 2020 , 11, 476	8
1298	Stem Cells in Veterinary Medicine-Current State and Treatment Options. 2020 , 7, 278	21
1297	The Emerging Role of Exosomes in Diagnosis, Prognosis, and Therapy in Head and Neck Cancer. 2020 , 21,	20
1296	Challenges of manufacturing mesenchymal stromal cell-derived extracellular vesicles in regenerative medicine. 2020 , 22, 606-612	8
1295	Purine Metabolites in Tumor-Derived Exosomes May Facilitate Immune Escape of Head and Neck Squamous Cell Carcinoma. 2020 , 12,	19
1294	Phosphodiesterase Gene Expression as Independent Outcome Prediction Marker in Localized Prostate Cancer. 2020 , 21,	2

1293	Design of experiment (DoE)-driven and uptake studies of exosomes for pancreatic cancer delivery enabled by copper-free click chemistry-based labelling. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1779458 ^{16.4}	24
1292	Roles and Clinical Applications of Exosomes in Cardiovascular Disease. 2020 , 2020, 5424281	13
1291	Oral Administration of Bovine Milk-Derived Extracellular Vesicles Alters the Gut Microbiota and Enhances Intestinal Immunity in Mice. 2020 , 64, e1901251	32
1290	Extracellular vesicle therapy for retinal diseases. 2020 , 79, 100849	31
1289	Extracellular Vesicles as Mediators of Cellular Crosstalk Between Immune System and Kidney Graft. 2020 , 11, 74	28
1288	Characterization of Human NK Cell-Derived Exosomes: Role of DNAM1 Receptor In Exosome-Mediated Cytotoxicity Against Tumor. 2020 , 12,	43
1287	Extracellular vesicle isolation from human renal cancer tissue. 2020 , 37, 28	16
1286	A Method to Analyze Urinary Extracellular Vesicles. 2020 , 36, 791-798	3
1285	Synaptic Activity and (Neuro)Inflammation in Alzheimer's Disease: Could Exosomes be an Additional Link?. 2020 , 74, 1029-1043	6
1284	The function and clinical application of extracellular vesicles in innate immune regulation. 2020 , 17, 323-334	85
1283	Pro-Inflammatory Priming of Umbilical Cord Mesenchymal Stromal Cells Alters the Protein Cargo of Their Extracellular Vesicles. 2020 , 9,	8
1282	ESC-sEVs Rejuvenate Senescent Hippocampal NSCs by Activating Lysosomes to Improve Cognitive Dysfunction in Vascular Dementia. 2020 , 7, 1903330	7
1281	Five Decades Later, Are Mesenchymal Stem Cells Still Relevant?. 2020 , 8, 148	53
1280	Tuberous Sclerosis Complex Axis Controls Renal Extracellular Vesicle Production and Protein Content. 2020 , 21,	10
1279	An emerging focus on lipids in extracellular vesicles. 2020 , 159, 308-321	134
1278	Regulation of glucose homeostasis by small extracellular vesicles in normal pregnancy and in gestational diabetes. 2020 , 34, 5724-5739	28
1277	Extraction and identification of synovial tissue-derived exosomes by different separation techniques. 2020 , 15, 97	10
1276	Mesenchymal Stem Cell Derived Extracellular Vesicles in Aging. 2020 , 8, 107	31

1275	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. 2020 , 115, 26		38
1274	Placental small extracellular vesicles: Current questions and investigative opportunities. 2020 , 102, 34-38		10
1273	Small extracellular vesicles from human adipose-derived stem cells attenuate cartilage degeneration. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1735249	16.4	77
1272	Biomaterials functionalized with MSC secreted extracellular vesicles and soluble factors for tissue regeneration. 2020 , 30, 1909125		78
1271	Spatial and temporal tracking of cardiac exosomes in mouse using a nano-luciferase-CD63 fusion protein. 2020 , 3, 114		19
1270	Fat Therapeutics: The Clinical Capacity of Adipose-Derived Stem Cells and Exosomes for Human Disease and Tissue Regeneration. 2020 , 11, 158		59
1269	Extracellular vesicle packaged LMP1-activated fibroblasts promote tumor progression via autophagy and stroma-tumor metabolism coupling. 2020 , 478, 93-106		41
1268	Impact of neural stem cell-derived extracellular vesicles on mitochondrial dysfunction, sirtuin 1 level, and synaptic deficits in Alzheimer's disease. 2020 , 154, 502-518		24
1267	Characterization of serum small extracellular vesicles and their small RNA contents across humans, rats, and mice. 2020 , 10, 4197		16
1266	Unravelling the proteomic landscape of extracellular vesicles in prostate cancer by density-based fractionation of urine. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1736935	16.4	55
1265	Extracellular Vesicles Derived From Mesenchymal Stem Cells (MSC) in Regenerative Medicine: Applications in Skin Wound Healing. 2020 , 8, 146		88
1264	Evaluating the Endocytosis and Lineage-Specification Properties of Mesenchymal Stem Cell Derived Extracellular Vesicles for Targeted Therapeutic Applications. 2020 , 11, 163		12
1263	Message in a Bottle: Upgrading Cardiac Repair into Rejuvenation. 2020 , 9,		14
1262	Immune Cell-Derived Exosomes in the Cancer-Immunity Cycle. 2020 , 6, 506-517		43
1261	Inflammatory extracellular vesicles prompt heart dysfunction via TRL4-dependent NF- κ B activation. 2020 , 10, 2773-2790		22
1260	Paracrine Mechanisms of Mesenchymal Stromal Cells in Angiogenesis. 2020 , 2020, 4356359		75
1259	Isolation of DNA from exosomes. 2020 , 636, 173-183		4
1258	Capillary zone electrophoresis of bacterial extracellular vesicles: A proof of concept. 2020 , 1621, 461047		14

1257	Cell Stress Induced Stressome Release Including Damaged Membrane Vesicles and Extracellular HSP90 by Prostate Cancer Cells. 2020 , 9,	29
1256	Extracellular Vesicles in Feto-Maternal Crosstalk and Pregnancy Disorders. 2020 , 21,	24
1255	Human Cardiac Progenitor Cells Enhance Exosome Release and Promote Angiogenesis Under Physoxia. 2020 , 8, 130	13
1254	Exosomes in Prostate Cancer Diagnosis, Prognosis and Therapy. 2020 , 21,	43
1253	Biomarker potential of brain-secreted extracellular vesicles in blood in Alzheimer's disease. 2020 , 12, e12001	22
1252	Vesicles Shed by Pathological Murine Adipocytes Spread Pathology: Characterization and Functional Role of Insulin Resistant/Hypertrophied Adiposomes. 2020 , 21,	17
1251	Extracellular Vesicles in NAFLD/ALD: From Pathobiology to Therapy. 2020 , 9,	22
1250	Freeze-Dried Extracellular Vesicles From Adipose-Derived Stem Cells Prevent Hypoxia-Induced Muscle Cell Injury. 2020 , 8, 181	21
1249	Extracellular Vesicle lincRNA-p21 Expression in Tumor-Draining Pulmonary Vein Defines Prognosis in NSCLC and Modulates Endothelial Cell Behavior. 2020 , 12,	22
1248	The Achievements and Challenges of Mesenchymal Stem Cell-Based Therapy in Inflammatory Bowel Disease and Its Associated Colorectal Cancer. 2020 , 2020, 7819824	17
1247	Extracellular vesicles from rat-bone-marrow mesenchymal stromal/stem cells improve tendon repair in rat Achilles tendon injury model in dose-dependent manner: A pilot study. 2020 , 15, e0229914	14
1246	MicroRNAs in Small Extracellular Vesicles Indicate Successful Embryo Implantation during Early Pregnancy. 2020 , 9,	19
1245	Exosomes from Human Adipose Tissue-Derived Mesenchymal Stem Cells Promote Epidermal Barrier Repair by Inducing de Novo Synthesis of Ceramides in Atopic Dermatitis. 2020 , 9,	36
1244	Similarities in the General Chemical Composition of Colon Cancer Cells and Their Microvesicles Investigated by Spectroscopic Methods-Potential Clinical Relevance. 2020 , 21,	0
1243	Exosomes Could Offer New Options to Combat the Long-Term Complications Inflicted by Gestational Diabetes Mellitus. 2020 , 9,	11
1242	Milk Exosomes: Isolation, Biochemistry, Morphology, and Perspectives of Use. 2020 ,	1
1241	Extracellular Vesicles of Stem Cells to Prevent BRONJ. 2020 , 99, 552-560	16
1240	Augmented Colorimetric NANoplasmonic (CONAN) Method for Grading Purity and Determine Concentration of EV Microliter Volume Solutions. 2019 , 7, 452	12

1239	The Multifaceted Roles of the Tumor Susceptibility Gene 101 (TSG101) in Normal Development and Disease. 2020 , 12,	6
1238	Identification and Characterization of Extracellular Vesicles and Its DNA Cargo Secreted During Murine Embryo Development. 2020 , 11,	13
1237	Rapid and Efficient Isolation of Exosomes by Clustering and Scattering. 2020 , 9,	9
1236	Mineral-Doped Poly(L-lactide) Acid Scaffolds Enriched with Exosomes Improve Osteogenic Commitment of Human Adipose-Derived Mesenchymal Stem Cells. 2020 , 10,	27
1235	Progress, opportunity, and perspective on exosome isolation - efforts for efficient exosome-based theranostics. 2020 , 10, 3684-3707	190
1234	Progress in extracellular vesicle biology and their application in cancer medicine. 2020 , 12, e1621	27
1233	Deiminated proteins and extracellular vesicles - Novel serum biomarkers in whales and orca. 2020 , 34, 100676	14
1232	Neural maturation enhanced by exercise-induced extracellular derivatives. 2020 , 10, 3893	3
1231	Glia-Derived Extracellular Vesicles in Parkinson's Disease. 2020 , 9,	14
1230	Identification of Novel Adipokines through Proteomic Profiling of Small Extracellular Vesicles Derived from Adipose Tissue. 2020 , 19, 3130-3142	11
1229	Homogenous Magneto-Fluorescent Nanosensor for Tumor-Derived Exosome Isolation and Analysis. 2020 , 5, 2052-2060	25
1228	Extracellular vesicles for treatment of solid organ ischemia-reperfusion injury. 2020 , 20, 3294-3307	14
1227	The Treatment of Cartilage Damage Using Human Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Systematic Review of Studies. 2020 , 8, 580	8
1226	Biogenesis, Biologic Function and Clinical Potential of Exosomes in Different Diseases. 2020 , 10, 4428	7
1225	Extracellular Vesicles in Viral Infections of the Nervous System. 2020 , 12,	7
1224	Exosomal release of microRNA-454 by breast cancer cells sustains biological properties of cancer stem cells via the PRRT2/Wnt axis in ovarian cancer. 2020 , 257, 118024	9
1223	Exosome therapeutics for lung regenerative medicine. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 178516116.4	28
1222	Global Proteomics Analysis of Circulating Extracellular Vesicles Isolated from Lung Transplant Recipients. 2020 , 5, 14360-14369	7

1221	Emerging roles of extracellular vesicles in the intercellular communication for exercise-induced adaptations. 2020 , 319, E320-E329	7
1220	The Impact of the Cancer Microenvironment on Macrophage Phenotypes. 2020 , 11, 1308	12
1219	Mesenchymal Stromal Cells for Graft Versus Host Disease: Mechanism-Based Biomarkers. 2020 , 11, 1338	25
1218	Small-Medium Extracellular Vesicles and Their miRNA Cargo in Retinal Health and Degeneration: Mediators of Homeostasis, and Vehicles for Targeted Gene Therapy. 2020 , 14, 160	13
1217	Extracellular Vesicles from Healthy Cells Improves Cell Function and Stemness in Premature Senescent Stem Cells by miR-302b and HIF-1 α Activation. 2020 , 10,	12
1216	Extracellular Vesicles and Cell-Cell Communication: New Insights and New Therapeutic Strategies Not Only in Oncology. 2020 , 21,	2
1215	Raman spectroscopy reveals biochemical differences in plasma derived extracellular vesicles from sporadic Amyotrophic Lateral Sclerosis patients. 2020 , 29, 102249	13
1214	Zeta Potential of Extracellular Vesicles: Toward Understanding the Attributes that Determine Colloidal Stability. 2020 , 5, 16701-16710	60
1213	A Mouse Model for Infection with Enterovirus A71 in Small Extracellular Vesicles. 2020 , 5,	2
1212	Exosomes as a next-generation drug delivery system: An update on drug loading approaches, characterization, and clinical application challenges. 2020 , 113, 42-62	32
1211	Mesenchymal stromal cell-derived extracellular vesicles modulate microglia/macrophage polarization and protect the brain against hypoxia-ischemic injury in neonatal mice by targeting delivery of miR-21a-5p. 2020 , 113, 597-613	19
1210	Immunosuppressive properties of cytochalasin B-induced membrane vesicles of mesenchymal stem cells: comparing with extracellular vesicles derived from mesenchymal stem cells. 2020 , 10, 10740	16
1209	Extracellular vesicles as critical mediators of maternal-fetal communication during pregnancy and their potential role in maternal metabolism. 2020 , 98, 60-68	12
1208	Effects of different separation methods on the physical and functional properties of extracellular vesicles. 2020 , 15, e0235793	6
1207	Extracellular Vesicles as Delivery Vehicles of Specific Cellular Cargo. 2020 , 9,	24
1206	Show Me Your Friends and I Tell You Who You Are: The Many Facets of Prion Protein in Stroke. 2020 , 9,	2
1205	Origin of circulating free DNA in patients with lung cancer. 2020 , 15, e0235611	5
1204	MicroRNA Milk Exosomes: From Cellular Regulator to Genomic Marker. 2020 , 10,	14

1203	Exosome Isolation by Ultracentrifugation and Precipitation and Techniques for Downstream Analyses. 2020 , 88, e110	26
1202	Mechanisms and biomarkers of cancer-associated thrombosis. 2020 , 225, 33-53	19
1201	AFM-Based High-Throughput Nanomechanical Screening of Single Extracellular Vesicles. 2020 , 92, 10274-10283	35
1200	Rab27a dependent exosome releasing participated in albumin handling as a coordinated approach to lysosome in kidney disease. 2020 , 11, 513	3
1199	Serum extracellular vesicle miR-203a-3p content is associated with skeletal muscle mass and protein turnover during disuse atrophy and regrowth. 2020 , 319, C419-C431	8
1198	Exosomal Noncoding RNAs and Tumor Drug Resistance. 2020 , 80, 4307-4313	6
1197	Optimized method for extraction of exosomes from human primary muscle cells. 2020 , 10, 20	10
1196	Astrocyte- and Neuron-Derived Extracellular Vesicles from Alzheimer's Disease Patients Effect Complement-Mediated Neurotoxicity. 2020 , 9,	20
1195	Reagent-free total protein quantification of intact extracellular vesicles by attenuated total reflection Fourier transform infrared (ATR-FTIR) spectroscopy. 2020 , 412, 4619-4628	12
1194	Therapeutic potential of mesenchymal stem cells and their exosomes in severe novel coronavirus disease 2019 (COVID-19) cases. 2020 , 40, 14	47
1193	mRNA Profile in Milk Extracellular Vesicles from Bovine Leukemia Virus-Infected Cattle. 2020 , 12,	7
1192	Proteomic characterization of extracellular vesicles produced by several wine yeast species. 2020 , 13, 1581-1596	12
1191	Sedentary and Trained Older Men Have Distinct Circulating Exosomal microRNA Profiles at Baseline and in Response to Acute Exercise. 2020 , 11, 605	21
1190	Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains. 2020 , 12,	4
1189	Extracellular Vesicles Mediate B Cell Immune Response and Are a Potential Target for Cancer Therapy. 2020 , 9,	15
1188	Transport of Extracellular Vesicles across the Blood-Brain Barrier: Brain Pharmacokinetics and Effects of Inflammation. 2020 , 21,	82
1187	Mesenchymal stem cell exosomes in bone regenerative strategies-a systematic review of preclinical studies. 2020 , 7, 100067	40
1186	Technologies and Standardization in Research on Extracellular Vesicles. 2020 , 38, 1066-1098	109

1185	MiR-200b in heme oxygenase-1-modified bone marrow mesenchymal stem cell-derived exosomes alleviates inflammatory injury of intestinal epithelial cells by targeting high mobility group box 3. 2020 , 11, 480		15
1184	Combination of Size-Exclusion Chromatography and Ultracentrifugation Improves the Proteomic Profiling of Plasma-Derived Small Extracellular Vesicles. 2020 , 22, 12		17
1183	A Comprehensive Proteomic SWATH-MS Workflow for Profiling Blood Extracellular Vesicles: A New Avenue for Glioma Tumour Surveillance. 2020 , 21,		15
1182	Comprehensive palmitoyl-proteomic analysis identifies distinct protein signatures for large and small cancer-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1764192	16.4	10
1181	Synergistic effects of extracellular vesicle phenotyping and AFP in hepatobiliary cancer differentiation. 2020 , 40, 3103-3116		10
1180	Schistosoma mansoni infection affects the proteome and lipidome of circulating extracellular vesicles in the host. 2020 , 238, 111296		5
1179	Mechanical strain induces phenotypic changes in breast cancer cells and promotes immunosuppression in the tumor microenvironment. 2020 , 100, 1503-1516		7
1178	Reproducible Large-Scale Isolation of Exosomes from Adipose Tissue-Derived Mesenchymal Stem/Stromal Cells and Their Application in Acute Kidney Injury. 2020 , 21,		29
1177	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. 2020 , 325, 135-140		19
1176	The RNA-binding protein hnRNPU regulates the sorting of microRNA-30c-5p into large extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1786967	16.4	22
1175	Therapeutic potential of extracellular vesicles in preclinical stroke models: a systematic review and meta-analysis.. 2020 , 4, e100047		4
1174	Unravelling the proteomic signature of extracellular vesicles released by drug-resistant Leishmania infantum parasites. 2020 , 14, e0008439		16
1173	The biology function and biomedical applications of exosomes. 2020 , 367,		1742
1172	Tspan8-Tumor Extracellular Vesicle-Induced Endothelial Cell and Fibroblast Remodeling Relies on the Target Cell-Selective Response. 2020 , 9,		10
1171	Novel Techniques to Study the Bone-Tumor Microenvironment. 2020 , 1225, 1-18		8
1170	microRNA-141-3p-containing small extracellular vesicles derived from epithelial ovarian cancer cells promote endothelial cell angiogenesis through activating the JAK/STAT3 and NF- κ B signaling pathways. 2020 , 14, 233-244		45
1169	Assessment of separation methods for extracellular vesicles from human and mouse brain tissues and human cerebrospinal fluids. 2020 , 177, 35-49		18
1168	Assessing diagnostic value of microRNAs from peripheral blood mononuclear cells and extracellular vesicles in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. 2020 , 10, 2064		13

1167	Potential Applications of Extracellular Vesicles in Solid Organ Transplantation. 2020 , 9,	15
1166	Stem Cell-Derived Exosomes in Autism Spectrum Disorder. 2020 , 17,	7
1165	Isolation of extracellular vesicles from intestinal tissue in a mouse model of intestinal ischemia/reperfusion injury. 2020 , 68, 257-262	3
1164	Deiminated proteins and extracellular vesicles as novel biomarkers in pinnipeds: Grey seal (<i>Halichoerus gryptus</i>) and harbour seal (<i>Phoca vitulina</i>). 2020 , 171-172, 79-90	12
1163	Emerging Standards and Analytical Science for Nanoenabled Medical Products. 2020 , 13, 431-452	5
1162	Extracellular Vesicle microRNAs Contribute to the Osteogenic Inhibition of Mesenchymal Stem Cells in Multiple Myeloma. 2020 , 12,	29
1161	Mitochondrial Signatures in Circulating Extracellular Vesicles of Older Adults with Parkinson's Disease: Results from the EXosomes in PARKinson's Disease (EXPAND) Study. 2020 , 9,	41
1160	Systemic exosomal miR-193b-3p delivery attenuates neuroinflammation in early brain injury after subarachnoid hemorrhage in mice. 2020 , 17, 74	45
1159	Extracellular Vesicles Derived from Induced Pluripotent Stem Cells Promote Renoprotection in Acute Kidney Injury Model. 2020 , 9,	15
1158	Nanoparticle-Based Delivery of Tumor Suppressor microRNA for Cancer Therapy. 2020 , 9,	31
1157	Peptidylarginine Deiminase Isozyme-Specific PAD2, PAD3 and PAD4 Inhibitors Differentially Modulate Extracellular Vesicle Signatures and Cell Invasion in Two Glioblastoma Multiforme Cell Lines. 2020 , 21,	21
1156	Extracellular Vesicles from Human Papilloma Virus-Infected Cervical Cancer Cells Enhance HIV-1 Replication in Differentiated U1 Cell Line. 2020 , 12,	5
1155	Tetraspanin-6 negatively regulates exosome production. 2020 , 117, 5913-5922	22
1154	Two-step magnetic bead-based (2MBB) techniques for immunocapture of extracellular vesicles and quantification of microRNAs for cardiovascular diseases: A pilot study. 2020 , 15, e0229610	12
1153	Purity Determines the Effect of Extracellular Vesicles Derived from Mesenchymal Stromal Cells. 2020 , 9,	5
1152	Extracellular Vesicles: A New Frontier for Research in Acute Respiratory Distress Syndrome. 2020 , 63, 15-24	29
1151	Chicken-or-egg question: Which came first, extracellular vesicles or autoimmune diseases?. 2020 , 108, 601-616	10
1150	Extracellular microRNAs in blood differentiate between ischaemic and haemorrhagic stroke subtypes. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1713540	16.4 22

1149	Small extracellular vesicles deliver miR-21 and miR-217 as pro-senescence effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1725285	16.4	63
1148	Location of neonatal microglia drives small extracellular vesicles content and biological functions. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1727637	16.4	11
1147	Functional and transcriptomic analysis of extracellular vesicles identifies calprotectin as a new prognostic marker in peripheral arterial disease (PAD). <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1729646	16.4	17
1146	The Growing Impact of Micro/Nanomaterial-Based Systems in Precision Oncology: Translating Multiomics Technologies. 2020 , 30, 1909306		13
1145	Adipose-Derived Biogenic Nanoparticles for Suppression of Inflammation. 2020 , 16, e1904064		22
1144	From laboratory to clinic: Translation of extracellular vesicle based cancer biomarkers. 2020 , 177, 58-66		25
1143	A nature-inspired colorimetric and fluorescent dual-modal biosensor for exosomes detection. 2020 , 214, 120851		23
1142	p53's Extended Reach: The Mutant p53 Secretome. 2020 , 10,		23
1141	Small extracellular vesicles derived from human mesenchymal stromal cells prevent group 2 innate lymphoid cell-dominant allergic airway inflammation through delivery of miR-146a-5p. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1723260	16.4	67
1140	Extracellular tRNAs and tRNA-derived fragments. 2020 , 17, 1149-1167		21
1139	A CRISPR-Cas9-based reporter system for single-cell detection of extracellular vesicle-mediated functional transfer of RNA. 2020 , 11, 1113		56
1138	Rigorous characterization of urinary extracellular vesicles (uEVs) in the low centrifugation pellet - a neglected source for uEVs. 2020 , 10, 3701		23
1137	Introduction to the special issue: Extracellular vesicles and biological signal delivery in the inflammatory microenvironment. 2020 , 51, 10-11		2
1136	Plasma mEV levels in Ghanaian malaria patients with low parasitaemia are higher than those of healthy controls, raising the potential for parasite markers in mEVs as diagnostic targets. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1697124	16.4	15
1135	Leukobiopsy - A Possible New Liquid Biopsy Platform for Detecting Oncogenic Mutations. 2019 , 10, 1608		3
1134	Mesenchymal stem cell-derived extracellular vesicles alone or in conjunction with a SDKP-conjugated self-assembling peptide improve a rat model of myocardial infarction. 2020 , 524, 903-909		14
1133	Ticagrelor Enhances Release of Anti-Hypoxic Cardiac Progenitor Cell-Derived Exosomes Through Increasing Cell Proliferation In Vitro. 2020 , 10, 2494		21
1132	Identification and Comparison of piRNA Expression Profiles of Exosomes Derived from Human Stem Cells from the Apical Papilla and Bone Marrow Mesenchymal Stem Cells. 2020 , 29, 511-520		17

1131	Oxidative Stress in Canine Histiocytic Sarcoma Cells Induced by an Infection with Canine Distemper Virus Led to a Dysregulation of HIF-1 β Downstream Pathway Resulting in a Reduced Expression of VEGF-B in vitro. 2020 , 12,	9
1130	Epstein-Barr virus-encoded latent membrane protein 1 promotes extracellular vesicle secretion through syndecan-2 and synaptotagmin-like-4 in nasopharyngeal carcinoma cells. 2020 , 111, 857-868	12
1129	Implications of Anti-Inflammatory Nature of Exosomes in Knee Arthritis. 2020 , 1947603520904766	5
1128	Extracellular Vesicles in Oral Squamous Cell Carcinoma and Oral Potentially Malignant Disorders: A Systematic Review. 2020 , 21,	8
1127	Where does the cargo go?: Solutions to provide experimental support for the "extracellular vesicle cargo transfer hypothesis". 2020 , 14, 135-146	22
1126	Management of retinitis pigmentosa by Wharton's jelly derived mesenchymal stem cells: preliminary clinical results. 2020 , 11, 25	23
1125	Cell-to-Cell Communication in Learning and Memory: From Neuro- and Glio-Transmission to Information Exchange Mediated by Extracellular Vesicles. 2019 , 21,	17
1124	Participation of Extracellular Vesicles from Zika-Virus-Infected Mosquito Cells in the Modification of Na β Cells' Behavior by Mediating Cell-to-Cell Transmission of Viral Elements. 2020 , 9,	15
1123	Investigating the Potential and Pitfalls of EV-Encapsulated MicroRNAs as Circulating Biomarkers of Breast Cancer. 2020 , 9,	15
1122	Exosomes: nanodust?. 2020 , 68, 56-59	4
1121	A treatise on endothelial biology and exosomes: homage to Theresa Maria Listowska Whiteside. 2020 , 68, 71-79	2
1120	Advances in Analysis of Biodistribution of Exosomes by Molecular Imaging. 2020 , 21,	64
1119	The role of exosomes in metastasis and progression of melanoma. 2020 , 85, 101975	41
1118	Emerging nanomedicine-based strategies for preventing metastasis of pancreatic cancer. 2020 , 320, 105-111	13
1117	Identification of miRNAs Enriched in Extracellular Vesicles Derived from Serum Samples of Breast Cancer Patients. 2020 , 10,	21
1116	Extracellular Vesicles, A Possible Theranostic Platform Strategy for Hepatocellular Carcinoma-An Overview. 2020 , 12,	9
1115	Nasal Microbiota Modifies the Effects of Particulate Air Pollution on Plasma Extracellular Vesicles. 2020 , 17,	3
1114	Tumour-derived extracellular vesicles in blood of metastatic cancer patients associate with overall survival. 2020 , 122, 801-811	30

1113	Monitoring Therapy Efficiency in Cancer through Extracellular Vesicles. 2020 , 9,	13
1112	Monocyte-derived extracellular vesicles upon treated by palmitate promote endothelial migration and monocytes attachment to endothelial cells. 2020 , 523, 685-691	3
1111	Deep Sequencing Analysis Reveals Distinctive Non-Coding RNAs When Comparing Tumor Multidrug-Resistant Cells and Extracellular Vesicles with Drug-Sensitive Counterparts. 2020 , 12,	8
1110	Mechanical stretch regulates the expression of specific miRNA in extracellular vesicles released from lung epithelial cells. 2020 , 235, 8210-8223	8
1109	Inhibition of HIV Replication by Apolipoprotein A-I Binding Protein Targeting the Lipid Rafts. 2020 , 11,	14
1108	Unique microRNA Signals in Plasma Exosomes from Pregnancies Complicated by Preeclampsia. 2020 , 75, 762-771	40
1107	CD147 Promotes Cell Small Extracellular Vesicles Release during Colon Cancer Stem Cells Differentiation and Triggers Cellular Changes in Recipient Cells. 2020 , 12,	8
1106	L(C3)icensing of exosomes for RNA export. 2020 , 22, 137-139	3
1105	Dynamic Changes in Function and Proteomic Composition of Extracellular Vesicles from Hepatic Stellate Cells during Cellular Activation. 2020 , 9,	11
1104	Protein Deimination and Extracellular Vesicle Profiles in Antarctic Seabirds. 2020 , 9,	15
1103	Biosensing extracellular vesicles: contribution of biomolecules in affinity-based methods for detection and isolation. 2020 , 145, 1997-2013	8
1102	Communication in tiny packages: Exosomes as means of tumor-stroma communication. 2020 , 1873, 188340	32
1101	Adipose Stem Cell-Derived Extracellular Vesicles Induce Proliferation of Schwann Cells via Internalization. 2020 , 9,	17
1100	Mesenchymal stromal cell-derived extracellular vesicles as cell-free biologics for the ex vivo expansion of hematopoietic stem cells. 2020 , 44, 1078-1102	17
1099	Activated human astrocyte-derived extracellular vesicles modulate neuronal uptake, differentiation and firing. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1706801	16.4 49
1098	Extracellular Vesicles and Cancer: A Focus on Metabolism, Cytokines, and Immunity. 2020 , 12,	23
1097	MIFlowCyt-EV: a framework for standardized reporting of extracellular vesicle flow cytometry experiments. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1713526	16.4 119
1096	The dual character of exosomes in osteoarthritis: Antagonists and therapeutic agents. 2020 , 105, 15-25	17

1095	Exosomes derived from neural progenitor cells preserve photoreceptors during retinal degeneration by inactivating microglia. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1748931	16.4	35
1094	A live cell reporter of exosome secretion and uptake reveals pathfinding behavior of migrating cells. 2020 , 11, 2092		63
1093	DUSP2 regulates extracellular vesicle-VEGF-C secretion and pancreatic cancer early dissemination. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1746529	16.4	13
1092	miR-26a regulates extracellular vesicle secretion from prostate cancer cells via targeting SHC4, PFDN4, and CHORDC1. 2020 , 6, eaay3051		20
1091	Fourier-transform Infrared (FT-IR) spectroscopy fingerprints subpopulations of extracellular vesicles of different sizes and cellular origin. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1741174	16.4	21
1090	Therapeutic Potential of Extracellular Vesicles in Degenerative Diseases of the Intervertebral Disc. 2020 , 8, 311		19
1089	The Multi-Faced Extracellular Vesicles in the Plasma of Chronic Kidney Disease Patients. 2020 , 8, 227		2
1088	Deimination Protein Profiles in Reveal Plasma and Extracellular Vesicle-Specific Signatures Relating to Immunity, Metabolic Function, and Gene Regulation. 2020 , 11, 651		12
1087	Extracellular vesicle-associated lipids in central nervous system disorders. 2020 , 159, 322-331		10
1086	Extracellular vesicles as signaling mediators in type 2 diabetes mellitus. 2020 , 318, C1189-C1199		24
1085	Effects of extracellular vesicles released by peritoneal B-1 cells on experimental <i>Leishmania (Leishmania) amazonensis</i> infection. 2020 , 108, 1803-1814		7
1084	Pathophysiological Role and Potential Therapeutic Exploitation of Exosomes in Ovarian Cancer. 2020 , 9,		9
1083	Serum neuronal exosomes predict and differentiate Parkinson's disease from atypical parkinsonism. 2020 , 91, 720-729		57
1082	Comparability of the small RNA secretome across human biofluids concomitantly collected from healthy adults. 2020 , 15, e0229976		6
1081	Adenosine leakage from perforin-burst extracellular vesicles inhibits perforin secretion by cytotoxic T-lymphocytes. 2020 , 15, e0231430		12
1080	The n-10 Fatty Acids Family in the Lipidome of Human Prostatic Adenocarcinoma Cell Membranes and Extracellular Vesicles. 2020 , 12,		13
1079	Extracellular Vesicles Function as Bioactive Molecular Transmitters in the Mammalian Oviduct: An Inspiration for Optimizing in Vitro Culture Systems and Improving Delivery of Exogenous Nucleic Acids during Preimplantation Embryonic Development. 2020 , 21,		8
1078	Lysosomal Exocytosis, Exosome Release and Secretory Autophagy: The Autophagic- and Endo-Lysosomal Systems Go Extracellular. 2020 , 21,		89

1077	Liquid biopsies for multiple myeloma in a time of precision medicine. 2020 , 98, 513-525	8
1076	Astrocyte-derived extracellular vesicles: Neuroreparative properties and role in the pathogenesis of neurodegenerative disorders. 2020 , 323, 225-239	39
1075	Extracellular vesicles in the oligodendrocyte microenvironment. 2020 , 725, 134915	9
1074	Individually cultured bovine embryos produce extracellular vesicles that have the potential to be used as non-invasive embryo quality markers. 2020 , 149, 104-116	20
1073	Role of Lectin-like Oxidized LDL Receptor-1 and Syncytiotrophoblast Extracellular Vesicles in the Vascular Reactivity of Mouse Uterine Arteries During Pregnancy. 2020 , 10, 6046	2
1072	Prospects and challenges of extracellular vesicle-based drug delivery system: considering cell source. 2020 , 27, 585-598	109
1071	CD44v3 protein-carrying tumor-derived exosomes in HNSCC patients' plasma as potential noninvasive biomarkers of disease activity. 2020 , 9, 1747732	23
1070	Extracellular vesicular microRNAs as potential biomarker for early detection of doxorubicin-induced cardiotoxicity. 2020 , 34, 1260-1271	9
1069	Molecular signatures of extracellular vesicles in oral fluids of periodontitis patients. 2020 , 26, 1318	11
1068	Increased extracellular vesicles mediate inflammatory signalling in cystic fibrosis. 2020 , 75, 449-458	8
1067	Novel Aspects of Extracellular Vesicles in the Regulation of Renal Physiological and Pathophysiological Processes. 2020 , 8, 244	9
1066	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. 2020 , 10, 608	5
1065	Cancer Stem Cell-Exosomes, Unexposed Player in Tumorigenicity. 2020 , 11, 384	14
1064	Clinical Relevance of Liquid Biopsy in Melanoma and Merkel Cell Carcinoma. 2020 , 12,	15
1063	Older Adults with Physical Frailty and Sarcopenia Show Increased Levels of Circulating Small Extracellular Vesicles with a Specific Mitochondrial Signature. 2020 , 9,	23
1062	Inducible Polarized Secretion of Exosomes in T and B Lymphocytes. 2020 , 21,	13
1061	Role of Exosomes in Cancer-Related Cognitive Impairment. 2020 , 21,	9
1060	Tumor circulome in the liquid biopsies for cancer diagnosis and prognosis. 2020 , 10, 4544-4556	43

1059	The future of quantum dot fluorescent labelling of extracellular vesicles for biomedical applications. 2020 , 4, 022001	4
1058	Post-Translational Protein Deimination Signatures in Serum and Serum-Extracellular Vesicles of Reveal Immune, Anti-Pathogenic, Anti-Viral, Metabolic and Cancer-Related Pathways for Deimination. 2020 , 21,	9
1057	Size Measurement of Extracellular Vesicles and Synthetic Liposomes: The Impact of the Hydration Shell and the Protein Corona. 2020 , 192, 111053	29
1056	miRNA signature in small extracellular vesicles and their association with platinum resistance and cancer recurrence in ovarian cancer. 2020 , 28, 102207	22
1055	Extracellular Vesicle-Mediated Transcribed mRNA Delivery for Treatment of HER2 Breast Cancer Xenografts in Mice by Prodrug CB1954 without General Toxicity. 2020 , 19, 858-867	20
1054	Post-translational protein deimination signatures and extracellular vesicles (EVs) in the Atlantic horseshoe crab (<i>Limulus polyphemus</i>). 2020 , 110, 103714	12
1053	Functionally engineered extracellular vesicles improve bone regeneration. 2020 , 109, 182-194	46
1052	Biomarkers for posttraumatic epilepsy. 2021 , 121, 107080	4
1051	Mesenchymal Stem Cell Derived Extracellular Vesicles for Tissue Engineering and Regenerative Medicine Applications. 2020 , 9,	93
1050	Protein Deimination Signatures in Plasma and Plasma-EVs and Protein Deimination in the Brain Vasculature in a Rat Model of Pre-Motor Parkinson's Disease. 2020 , 21,	11
1049	Salivary Small Extracellular Vesicles Associated miRNAs in Periodontal Status-A Pilot Study. 2020 , 21,	22
1048	Proteomic and biological profiling of extracellular vesicles from Alzheimer's disease human brain tissues. 2020 , 16, 896-907	44
1047	Exosomes with low miR-34c-3p expression promote invasion and migration of non-small cell lung cancer by upregulating integrin $\alpha 4$. 2020 , 5, 39	53
1046	Strategic reconstruction of macrophage-derived extracellular vesicles as a magnetic resonance imaging contrast agent. 2020 , 8, 2887-2904	15
1045	Membrane-binding peptides for extracellular vesicles on-chip analysis. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1751428	16.4 26
1044	Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles Induce Ischemic Neuroprotection by Modulating Leukocytes and Specifically Neutrophils. 2020 , 51, 1825-1834	49
1043	Exosomal miRNAs in tumor microenvironment. 2020 , 39, 67	38
1042	Mesenchymal Stem Cell Derived Extracellular Vesicles Ameliorate Kidney Injury in Aristolochic Acid Nephropathy. 2020 , 8, 188	24

1041	-Infected Human Macrophages Shed Proinflammatory Extracellular Vesicles That Enhance Host-Cell Invasion via Toll-Like Receptor 2. 2020 , 10, 99	17
1040	Extracellular Vesicles After Allogeneic Hematopoietic Cell Transplantation: Emerging Role in Post-Transplant Complications. 2020 , 11, 422	12
1039	Characterization of Extracellular Vesicles Isolated From Human Milk Using a Precipitation-Based Method. 2020 , 7, 22	6
1038	Extracellular Vesicles Enriched with Moonlighting Metalloproteinase Are Highly Transmissible, Pro-Tumorigenic, and Trans-Activates Cellular Communication Network Factor (): CRISPR against Cancer. 2020 , 12,	19
1037	Targeting and Crossing the Blood-Brain Barrier with Extracellular Vesicles. 2020 , 9,	110
1036	Extracellular Vesicles in Smoking-Mediated HIV Pathogenesis and their Potential Role in Biomarker Discovery and Therapeutic Interventions. 2020 , 9,	6
1035	Therapeutic Use of Extracellular Vesicles for Acute and Chronic Lung Disease. 2020 , 21,	42
1034	Extracellular Vesicles as Signaling Mediators and Disease Biomarkers across Biological Barriers. 2020 , 21,	58
1033	Biological insight into the extracellular vesicles in women with and without gestational diabetes. 2021 , 44, 49-61	7
1032	Dancing with Trojan horses: an interplay between the extracellular vesicles and viruses. 2021 , 39, 3034-3060	15
1031	Exosomes derived from umbilical cord mesenchymal stem cells in mechanical environment show improved osteochondral activity via upregulation of LncRNA H19. 2021 , 26, 111-120	17
1030	Circulating Extracellular Vesicles Carrying Sphingolipid Cargo for the Diagnosis and Dynamic Risk Profiling of Alcoholic Hepatitis. 2021 , 73, 571-585	29
1029	Mesenchymal Stem Cell Exosomes for Cartilage Regeneration: A Systematic Review of Preclinical Studies. 2021 , 27, 1-13	24
1028	Extracellular Vesicles Derived from Neural Progenitor Cells--a Preclinical Evaluation for Stroke Treatment in Mice. 2021 , 12, 185-203	28
1027	Effects of endurance racing on horse plasma extracellular particle miRNA. 2021 , 53, 618-627	2
1026	Imaging extracellular vesicles by transmission electron microscopy: Coping with technical hurdles and morphological interpretation. 2021 , 1865, 129648	4
1025	Circulating extracellular vesicles from patients with acute chest syndrome disrupt adherens junctions between endothelial cells. 2021 , 89, 776-784	2
1024	The role of extracellular vesicles in skeletal muscle and systematic adaptation to exercise. 2021 , 599, 845-861	24

1023	Cardiovascular Exosomes and MicroRNAs in Cardiovascular Physiology and Pathophysiology. 2021 , 14, 195-212	26
1022	Extracellular vesicles from human cardiovascular progenitors trigger a reparative immune response in infarcted hearts. 2021 , 117, 292-307	27
1021	Liver-derived extracellular vesicles: A cell by cell overview to isolation and characterization practices. 2021 , 1865, 129559	5
1020	Lithium modulates miR-1906 levels of mesenchymal stem cell-derived extracellular vesicles contributing to poststroke neuroprotection by toll-like receptor 4 regulation. 2021 , 10, 357-373	14
1019	Prospective Therapeutic Applications of Platelet Extracellular Vesicles. 2021 , 39, 598-612	24
1018	Microvesicles in bronchoalveolar lavage as a potential biomarker of COPD. 2021 , 320, L241-L245	6
1017	Ageing and mesenchymal stem cells derived exosomes: Molecular insight and challenges. 2021 , 39, 60-66	23
1016	A novel method of high-purity extracellular vesicle enrichment from microliter-scale human serum for proteomic analysis. 2021 , 42, 245-256	9
1015	Recent advances in nanomaterial-based biosensors for the detection of exosomes. 2021 , 413, 83-102	14
1014	Extracellular vesicles: A bright star of nanomedicine. 2021 , 269, 120467	61
1013	Mesenchymal stem cell-derived small extracellular vesicles and bone regeneration. 2021 , 128, 18-36	14
1012	Advantageous antibody microarray fabrication through DNA-directed immobilization: A step toward use of extracellular vesicles in diagnostics. 2021 , 222, 121542	9
1011	Mesenchymal Stem Cell-Derived Extracellular Vesicles for the Promotion of Tendon Repair - an Update of Literature. 2021 , 17, 379-389	8
1010	Small Extracellular Vesicles Containing miR-381-3p from Keratinocytes Promote T Helper Type 1 and T Helper Type 17 Polarization in Psoriasis. 2021 , 141, 563-574	5
1009	DNA in extracellular vesicles: biological and clinical aspects. 2021 , 15, 1701-1714	25
1008	Mesenchymal Stromal Cell-Derived Extracellular Vesicles in the Treatment of Diabetic Foot Ulcers: Application and Challenges. 2021 , 17, 369-378	15
1007	Standardization and reproducibility in EV research: the support of a Quality Management System. 2021 , 175-206	4
1006	Evaluation of Exosome Proteins by on-Bead Flow Cytometry. 2021 , 99, 372-381	19

1005	Tissue and Stem Cell Sourced Extracellular Vesicle Communications with Microglia. 2021 , 17, 357-368	8
1004	Inter-Laboratory Comparison of Extracellular Vesicle Isolation Based on Ultracentrifugation. 2021 , 48, 48-59	9
1003	Deciphering the messages carried by extracellular vesicles in hematological malignancies. 2021 , 46, 100734	7
1002	Extracellular Vesicles in Cancer Detection: Hopes and Hypes. 2021 , 7, 122-133	38
1001	MiR-126-3p-Enriched Extracellular Vesicles from Hypoxia-Preconditioned VSC 4.1 Neurons Attenuate Ischaemia-Reperfusion-Induced Pain Hypersensitivity by Regulating the PIK3R2-Mediated Pathway. 2021 , 58, 821-834	9
1000	Effects of exercise on exosome release and cargo in in vivo and ex vivo models: A systematic review. 2021 , 236, 3336-3353	14
999	Inhibition of microRNA-155 Protects Retinal Function Through Attenuation of Inflammation in Retinal Degeneration. 2021 , 58, 835-854	5
998	ESC-sEVs Rejuvenate Aging Hippocampal NSCs by Transferring SMADs to Regulate the MYT1-Egln3-Sirt1 Axis. 2021 , 29, 103-120	5
997	Detection and significance of exosomal mRNA expression profiles in the cerebrospinal fluid of patients with meningeal carcinomatosis. 2021 , 71, 790-803	1
996	Extracellular vesicles in spontaneous preterm birth. 2021 , 85, e13353	7
995	Liquid biopsy as a perioperative biomarker of digestive tract cancers: review of the literature. 2021 , 51, 849-861	1
994	Association of placenta-derived extracellular vesicles with pre-eclampsia and associated hypercoagulability: a clinical observational study. 2021 , 128, 1037-1046	7
993	Biological Characteristics and Roles of Noncoding RNAs in Milk-Derived Extracellular Vesicles. 2021 , 12, 1006-1019	7
992	Extracellular vesicles and their potential role inducing changes in maternal insulin sensitivity during gestational diabetes mellitus. 2021 , 85, e13361	11
991	Exosomes and extracellular vesicles as liquid biopsy biomarkers in diffuse large B-cell lymphoma: Current state of the art and unmet clinical needs. 2021 , 87, 284-294	5
990	Extracellular vesicles from organoids and 3D culture systems. 2021 , 118, 1029-1049	10
989	An SPRI-based biosensor pilot study: Analysis of multiple circulating extracellular vesicles and hippocampal volume in Alzheimer's disease. 2021 , 192, 113649	5
988	Photoreceptor protection by mesenchymal stem cell transplantation identifies exosomal MiR-21 as a therapeutic for retinal degeneration. 2021 , 28, 1041-1061	21

987	Extracellular vesicles in embryo implantation and disorders of the endometrium. 2021 , 85, e13360	9
986	Advances in Exosomes-Based Drug Delivery Systems. 2021 , 21, e2000269	14
985	Challenges in the development and establishment of exosome-based drug delivery systems. 2021 , 329, 894-906	36
984	Metabolomic profile of cancer stem cell-derived exosomes from patients with malignant melanoma. 2021 , 15, 407-428	11
983	Platelet-derived extracellular vesicles regulate cell cycle progression and cell migration in breast cancer cells. 2021 , 1868, 118886	7
982	Tumor-secreted proliferin-1 regulates adipogenesis and lipolysis in cachexia. 2021 , 148, 1982-1992	1
981	Multifaceted role of extracellular vesicles in atherosclerosis. 2021 , 319, 121-131	15
980	Role of tissue-factor bearing extracellular vesicles released from ovarian cancer cells in platelet aggregation in vitro and venous thrombosis in mice. 2021 , 2, 100020	4
979	Immunomodulatory properties of extracellular vesicles in the dialogue between placental and immune cells. 2021 , 85, e13383	2
978	Photonic technologies for liquid biopsies: recent advances and open research challenges.. 2021 , 15,	4
977	Mechanism of Human Umbilical Cord Mesenchymal Stem Cells Derived-Extracellular Vesicle in Cerebral Ischemia-Reperfusion Injury. 2021 , 46, 455-467	5
976	Biological role and clinical relevance of extracellular vesicles as key mediators of cell communication in cancer. 2021 , 33, 37-117	2
975	Shedding Light on Extracellular Vesicle Biogenesis and Bioengineering. 2020 , 8, 2003505	57
974	Exploring brain insulin resistance in adults with bipolar depression using extracellular vesicles of neuronal origin. 2021 , 133, 82-92	8
973	Changes in miRNA levels of sperm and small extracellular vesicles of seminal plasma are associated with transient scrotal heat stress in bulls. 2021 , 161, 26-40	5
972	Circulating miRNAs in bone health and disease. 2021 , 145, 115787	11
971	Engineering approaches for effective therapeutic applications based on extracellular vesicles. 2021 , 330, 15-30	19
970	Mass spectrometry-based proteomic exploration of the small urinary extracellular vesicles in ANCA-associated vasculitis in comparison with total urine. 2021 , 233, 104067	7

969	Quantitative comparison of the mRNA content of human iPSC-derived motor neurons and their extracellular vesicles. 2021 , 11, 494-506	1
968	Preclinical Studies of MSC-Derived Extracellular Vesicles to Treat or Prevent Graft Versus Host Disease: a Systematic Review of the Literature. 2021 , 17, 332-340	4
967	Extracellular Vesicle-Mediated Bilateral Communication between Glioblastoma and Astrocytes. 2021 , 44, 215-226	6
966	Extracellular vesicles and oncogenic signaling. 2021 , 15, 3-26	17
965	Chitinase 3-like-1 and fibronectin in the cargo of extracellular vesicles shed by human macrophages influence pancreatic cancer cellular response to gemcitabine. 2021 , 501, 210-223	20
964	Circulating platelets as liquid biopsy sources for cancer detection. 2021 , 15, 1727-1743	10
963	Oligomeric α Syn and SNARE complex proteins in peripheral extracellular vesicles of neural origin are biomarkers for Parkinson's disease. 2021 , 148, 105185	16
962	DEHP-elicited small extracellular vesicles miR-26a-5p promoted metastasis in nearby normal A549 cells. 2021 , 272, 116005	3
961	Nondestructive production of exosomes loaded with ultrathin palladium nanosheets for targeted bio-orthogonal catalysis. 2021 , 16, 131-163	6
960	Effects of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Lung Diseases: Current Status and Future Perspectives. 2021 , 17, 440-458	12
959	Preclinical Characterization and In Vivo Imaging of In-Labeled Mesenchymal Stem Cell-Derived Extracellular Vesicles. 2021 , 23, 361-371	3
958	miRNAs in osteoclast biology. 2021 , 143, 115757	3
957	Adipose mesenchymal stem cell-derived antioxidative extracellular vesicles exhibit anti-oxidative stress and immunomodulatory effects under PM exposure. 2021 , 447, 152627	13
956	Next-Generation RNA-Sequencing of Serum Small Extracellular Vesicles Discovers Potential Diagnostic Biomarkers for Dementia With Lewy Bodies. 2021 , 29, 573-584	0
955	Pulmonary Endothelial Dysfunction and Thrombotic Complications in Patients with COVID-19. 2021 , 64, 407-415	23
954	MIFlowCyt-EV: The Next Chapter in the Reporting and Reliability of Single Extracellular Vesicle Flow Cytometry Experiments. 2021 , 99, 365-368	5
953	Les microvésicules cellulaires : biomarqueurs émergents en pathologie cardiovasculaire : intérêt dans le risque thrombotique de la COVID 19. 2021 , 205, 166-179	
952	Spinal cord injury alters microRNA and CD81+ exosome levels in plasma extracellular nanoparticles with neuroinflammatory potential. 2021 , 92, 165-183	21

951	Clinical relevance of extracellular vesicles in hematological neoplasms: from liquid biopsy to cell biopsy. 2021 , 35, 661-678	15
950	Multifaceted effects of milk-exosomes (Mi-Exo) as a modulator of scar-free wound healing. 2021 , 3, 528-537	3
949	Hypoxic Induction of Exosome Uptake through Proteoglycan-Dependent Endocytosis Fuels the Lipid Droplet Phenotype in Glioma. 2021 , 19, 528-540	6
948	Importance of extracellular vesicles in hypertension. 2021 , 246, 342-353	5
947	Plant Exosome-like Nanovesicles: Emerging Therapeutics and Drug Delivery Nanoplatfoms. 2021 , 29, 13-31	43
946	Sandwich-Type Electrochemical Paper-Based Immunosensor for Claudin 7 and CD81 Dual Determination on Extracellular Vesicles from Breast Cancer Patients. 2021 , 93, 1143-1153	10
945	Microbiota-derived extracellular vesicles and metabolic syndrome. 2021 , 231, e13600	3
944	Phosphoproteomics identify arachidonic-acid-regulated signal transduction pathways modulating macrophage functions with implications for ovarian cancer. 2021 , 11, 1377-1395	6
943	Neural Progenitor Cell-Derived Extracellular Vesicles Enhance Blood-Brain Barrier Integrity by NF- κ B (Nuclear Factor- κ B)-Dependent Regulation of ABCB1 (ATP-Binding Cassette Transporter B1) in Stroke Mice. 2021 , 41, 1127-1145	10
942	Extracellular heat shock proteins and cancer: New perspectives. 2021 , 14, 100995	21
941	Emerging Players in Prostate Cancer-Bone Niche Communication. 2021 , 7, 112-121	11
940	Mitochondrial DNA in extracellular vesicles declines with age. 2021 , 20, e13283	18
939	Adipose mesenchymal stem cells-secreted extracellular vesicles containing microRNA-192 delays diabetic retinopathy by targeting ITGA1. 2021 , 236, 5036-5051	20
938	A review of the biomechanical properties of single extracellular vesicles. 2021 , 2, 1-15	20
937	The forces driving cancer extracellular vesicle secretion. 2021 , 23, 149-157	12
936	Preparation and characterization of extracellular vesicles. 2021 , 85, e13367	14
935	Intercellular Communication in the Heart: Therapeutic Opportunities for Cardiac Ischemia. 2021 , 27, 248-262	18
934	Mir-30d Regulates Cardiac Remodeling by Intracellular and Paracrine Signaling. 2021 , 128, e1-e23	27

933	CD31 Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. 2021 , 70, 240-254	19
932	Emerging mechanisms contributing to mast cell-mediated pathophysiology with therapeutic implications. 2021 , 220, 107718	9
931	The potential role of tumor-derived exosomes in diagnosis, prognosis, and response to therapy in cancer. 2021 , 21, 241-258	18
930	Perspective: The Role of Human Breast-Milk Extracellular Vesicles in Child Health and Disease. 2021 , 12, 59-70	9
929	Small extracellular vesicles (sEVs): discovery, functions, applications, detection methods and various engineered forms. 2021 , 21, 371-394	5
928	Trophoblastic extracellular vesicles and viruses: Friends or foes?. 2021 , 85, e13345	2
927	RAB31 marks and controls an ESCRT-independent exosome pathway. 2021 , 31, 157-177	54
926	The promise of placental extracellular vesicles: models and challenges for diagnosing placental dysfunction in utero. 2021 , 104, 27-57	1
925	Shapiro's Laws Revisited: Conventional and Unconventional Cytometry at CYTO2020. 2021 , 99, 129-132	
924	Reliable measurements of extracellular vesicles by clinical flow cytometry. 2021 , 85, e13350	8
923	Exosome-mediated RNAi of PAK4 prolongs survival of pancreatic cancer mouse model after loco-regional treatment. 2021 , 264, 120369	12
922	MiR-21-5p in macrophage-derived extracellular vesicles affects podocyte pyroptosis in diabetic nephropathy by regulating A20. 2021 , 44, 1175-1184	20
921	The emerging roles of exosomal circRNAs in diseases. 2021 , 23, 1020-1033	10
920	Stem Cell-Derived Exosomes as Treatment for Stroke: a Systematic Review. 2021 , 17, 428-438	6
919	Effects of Cell-Derived Microparticles on Immune Cells and Potential Implications in Clinical Medicine. 2021 , 52, 122-135	2
918	Therapeutic Applications of Stem Cells and Extracellular Vesicles in Emergency Care: Futuristic Perspectives. 2021 , 17, 390-410	8
917	Transforming growth factor beta orchestrates PD-L1 enrichment in tumor-derived exosomes and mediates CD8 T-cell dysfunction regulating early phosphorylation of TCR signalome in breast cancer. 2021 , 42, 38-47	14
916	Cellular origin and microRNA profiles of circulating extracellular vesicles in different stages of diabetic nephropathy. 2021 , 14, 358-365	8

915	Extracellular vesicles in neurodegenerative diseases: Insights and new perspectives. 2021 , 8, 124-132	10
914	An exosomal-carried short periostin isoform induces cardiomyocyte proliferation. 2021 , 11, 5634-5649	5
913	Maternal obesity and developmental programming of neuropsychiatric disorders: An inflammatory hypothesis. 2021 , 5, 23982128211003484	4
912	Urinary Extracellular Vesicles Magic Particles for Biomarker Discovery. 2021 , 1306, 29-40	0
911	Urinary extracellular vesicles: single patient analysis for clinical applications. 2021 , 1-35	
910	Astrocyte-Derived Extracellular Vesicles (ADEVs): Deciphering their Influences in Aging. 2021 , 12, 1462-1475	1
909	Proteomic Profiling of Extracellular Vesicles Separated from Plasma of Former National Football League Players at Risk for Chronic Traumatic Encephalopathy. 2021 , 12, 1363-1375	1
908	BATF2 prevents glioblastoma multiforme progression by inhibiting recruitment of myeloid-derived suppressor cells. 2021 , 40, 1516-1530	3
907	Biochemical Indicators of Cholangiocarcinoma. 2021 , 163-178	
906	Nanocarriers for theranostic applications. 2021 , 425-471	
905	Radiolabelling of Extracellular Vesicles for PET and SPECT imaging. 2021 , 5, 256-274	8
904	Contribution of epididymal epithelial cell functions to sperm epigenetic changes and the health of progeny. 2021 ,	4
903	Dissemination of extreme levels of extracellular vesicles: tissue factor activity in patients with severe COVID-19. 2021 , 5, 628-634	34
902	Plasma Concentrations of Extracellular Vesicles Are Decreased in Patients with Post-Infarct Cardiac Remodelling. 2021 , 10,	2
901	Grapefruit-derived extracellular vesicles as a promising cell-free therapeutic tool for wound healing. 2021 , 12, 5144-5156	7
900	Host-derived extracellular vesicles for antimicrobial defense. 2021 , 2,	5
899	Novel Protocols for Scalable Production of High Quality Purified Small Extracellular Vesicles from Bovine Milk. 2021 , 5, 488-498	3
898	Mesenchymal stem cell-derived extracellular vesicles ameliorate Alzheimer's disease-like phenotypes in a preclinical mouse model. 2021 , 11, 8129-8142	13

897	Glycosylation of Cancer Extracellular Vesicles: Capture Strategies, Functional Roles and Potential Clinical Applications. 2021 , 10,	22
896	LncRNA Quantification from Extracellular Vesicles Isolated from Blood Plasma or Conditioned Media. 2021 , 2348, 285-304	1
895	Exosomes targeted towards applications in regenerative medicine. 2021 , 2, 880-908	7
894	The Potentials and Pitfalls of Using Adult Stem Cells in Cancer Treatment. 2021 , 1326, 139-157	
893	Mesenchymal Stem Cell-Derived Exosomes: A Promising Biological Tool in Nanomedicine. 2020 , 11, 590470	40
892	Neutrophil-derived trail is a proinflammatory subtype of neutrophil-derived extracellular vesicles. 2021 , 11, 2770-2787	13
891	Comparison of separation methods for tissue-derived extracellular vesicles in the liver, heart, and skeletal muscle. 2021 , 11, 482-493	2
890	Mesenchymal Stem Cell-Derived Extracellular Vesicles Carrying miRNA as a Potential Multi Target Therapy to COVID-19: an In Silico Analysis. 2021 , 17, 341-356	17
889	Exosomes in Parkinson disease. 2021 , 157, 413-428	17
888	Enzymatically active apurinic/aprimidinic endodeoxyribonuclease 1 is released by mammalian cells through exosomes. 2021 , 296, 100569	5
887	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. 2021 , 21, 3219-3243	8
886	Model of radiation-induced ambulatory dysfunction. 2021 , 41, 201	
885	Exosomes derived from stem cells from apical papilla promote craniofacial soft tissue regeneration by enhancing Cdc42-mediated vascularization. 2021 , 12, 76	7
884	Surface enhanced Raman scattering of extracellular vesicles for cancer diagnostics despite isolation dependent lipoprotein contamination. 2021 , 13, 14760-14776	3
883	Isolation and characterization of extracellular vesicle subpopulations from tissues. 2021 , 16, 1548-1580	51
882	Mesenchymal stem cell-derived small extracellular vesicles in the treatment of human diseases: Progress and prospect. 2021 , 13, 49-63	15
881	Human obese white adipose tissue sheds depot-specific extracellular vesicles and reveals candidate biomarkers for monitoring obesity and its comorbidities. 2021 ,	11
880	The Proteome and Citrullinome of Extracellular Vesicles-Novel Insights into Roles of the Serum Secretome in Immune, Gene Regulatory and Metabolic Pathways. 2021 , 22,	3

879	Extracellular vesicles in bone and periodontal regeneration: current and potential therapeutic applications. 2021 , 11, 16	18
878	Mesenchymal Stromal Cell Therapy in Typical ARDS and Severe COVID-19. 2021 , 191-204	
877	Isolation, Characterization, and MicroRNA Analysis of Extracellular Vesicles from Bovine Oviduct and Uterine Fluids. 2021 , 2273, 219-238	3
876	Therapeutic Potential of Nucleic Acids when Combined with Extracellular Vesicles. 2021 , 12, 1476-1493	6
875	Enrichment of Phosphorylated Tau (Thr181) and Functionally Interacting Molecules in Chronic Traumatic Encephalopathy Brain-derived Extracellular Vesicles. 2021 , 12, 1376-1388	1
874	Multifunctional Applications of Engineered Extracellular Vesicles in the Treatment of Cancer. 2021 , 162,	3
873	Isolation and Analysis of MicroRNAs from Extracellular Vesicles of the Parasitic Model Nematodes <i>Nippostrongylus brasiliensis</i> and <i>Trichuris muris</i> . 2021 , 2369, 319-332	1
872	Combined transplantation of neural stem cells and bone marrow mesenchymal stem cells promotes neuronal cell survival to alleviate brain damage after cardiac arrest microRNA-133b incorporated in extracellular vesicles. 2021 , 13, 262-278	3
871	Extracellular Vesicles in Neuroinflammation. 2020 , 8, 623039	10
870	Characterization of Urine Stem Cell-Derived Extracellular Vesicles Reveals B Cell Stimulating Cargo. 2021 , 22,	1
869	Let-7a regulates EV secretion and mitochondrial oxidative phosphorylation by targeting SNAP23 in colorectal cancer. 2021 , 40, 31	4
868	MiR-26a-5p as a Reference to Normalize MicroRNA qRT-PCR Levels in Plasma Exosomes of Pediatric Hematological Malignancies. 2021 , 10,	4
867	A Rapid Exosome Isolation Using Ultrafiltration and Size Exclusion Chromatography (REIUS) Method for Exosome Isolation from Melanoma Cell Lines. 2021 , 2265, 289-304	1
866	Isolation and recovery of extracellular vesicles using optically-induced dielectrophoresis on an integrated microfluidic platform. 2021 , 21, 1475-1483	8
865	Introduction to the Community of Extracellular Vesicles. 2021 , 97, 3-18	4
864	siRNA Loaded-Exosomes. 2021 , 2282, 395-401	0
863	The Future of Regenerative Medicine: Cell Therapy Using Pluripotent Stem Cells and Acellular Therapies Based on Extracellular Vesicles. 2021 , 10,	15
862	Preclinical Experimental Applications of miRNA Loaded BMSC Extracellular Vesicles. 2021 , 17, 471-501	4

861	Preserving extracellular vesicles for biomedical applications: consideration of storage stability before and after isolation. 2021 , 28, 1501-1509	12
860	Mesenchymal stem cell-derived extracellular vesicles promote microglial M2 polarization after subarachnoid hemorrhage in rats and involve the AMPK/NF- κ B signaling pathway. 2021 , 133, 111048	8
859	CircUbe3a from M2 macrophage-derived small extracellular vesicles mediates myocardial fibrosis after acute myocardial infarction. 2021 , 11, 6315-6333	9
858	Dihydroceramide Desaturase Promotes the Formation of Intraluminal Vesicles and Inhibits Autophagy to Increase Exosome Production.	
857	Unbiased RNA-Seq-driven identification and validation of reference genes for quantitative RT-PCR analyses of pooled cancer exosomes. 2021 , 22, 27	7
856	Diverse roles of EV-RNA in cancer progression. 2021 , 75, 127-135	2
855	Metabolomic analysis of exosomal-markers in esophageal squamous cell carcinoma. 2021 , 13, 16457-16464	5
854	Methods for the Isolation and Study of Exovesicle DNA from Trypanosomatid Parasites. 2021 , 2369, 301-317	
853	Contribution of extracellular vesicles in normal hematopoiesis and hematological malignancies. 2021 , 7, e06030	3
852	Study of microRNAs carried by exosomes. 2021 , 165, 187-197	0
851	Extracellular vesicles from three dimensional culture of human placental mesenchymal stem cells ameliorated renal ischemia/reperfusion injury. 2021 , 391398820986809	4
850	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. 2021 , 4, 119	5
849	Recombinant extracellular vesicles as biological reference material for method development, data normalization and assessment of (pre-)analytical variables. 2021 , 16, 603-633	9
848	A simple method for the analysis of extracellular vesicles enriched for exosomes from human serum by capillary electrophoresis with ultraviolet diode array detection. 2021 , 1635, 461752	6
847	Cell-free exosome-laden scaffolds for tissue repair. 2021 , 13, 8740-8750	19
846	Human Plasma Extracellular Vesicle Isolation and Proteomic Characterization for the Optimization of Liquid Biopsy in Multiple Myeloma. 2021 , 2261, 151-191	6
845	The umbilical cord mesenchymal stem cell-derived exosomal lncRNA H19 improves osteochondral activity through miR-29b-3p/FoxO3 axis. 2021 , 11, e255	14
844	Extracellular Vesicles in Musculoskeletal Pathologies and Regeneration. 2020 , 8, 624096	10

- 843 Self-Activatable Photo-Extracellular Vesicle for Synergistic Trimodal Anticancer Therapy. **2021**, 33, e2005562 29
- 842 Extracellular Vesicles Regulate Cancer Metastasis. **2021**, 97, 275-296 0
- 841 Socially Distanced Intercellular Communication: Mechanisms for Extracellular Vesicle Cargo Delivery. **2021**, 97, 179-209 1
- 840 Emerging Significance and Therapeutic Potential of Extracellular vesicles. **2021**, 17, 2476-2486 6
- 839 Extracellular Vesicles as Novel Diagnostic and Prognostic Biomarkers for Parkinson's Disease. **2021**, 12, 1494-1515 4
- 838 Brain-Derived Extracellular Vesicles in Health and Disease: A Methodological Perspective. **2021**, 22, 5
- 837 The Necroptosis Effector MLKL drives Small Extracellular Vesicle Release and Tumour Growth in Glioblastoma.
- 836 Natural Killer Cell Phenotype and Functionality Affected by Exposure to Extracellular Survivin and Lymphoma-Derived Exosomes. **2021**, 22, 2
- 835 Protective Effect of Msc-Derived Exosomes Against Cisplatin-Induced Apoptosis Via Heat Shock Protein 70 in Auditory Explant Model.
- 834 Glia-Derived Extracellular Vesicles: Role in Central Nervous System Communication in Health and Disease. **2020**, 8, 623771 8
- 833 Promising Extracellular Vesicle-Based Vaccines against Viruses, Including SARS-CoV-2. **2021**, 10, 20
- 832 Foetal bovine serum influence on in vitro extracellular vesicle analyses. *Journal of Extracellular Vesicles*, **2021**, 10, e12061 16.4 13
- 831 The tumorigenic and therapeutic functions of exosomes in colorectal cancer: Opportunity and challenges. **2021**, 39, 468-477 7
- 830 Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. **2021**, 9, 2917-2930 13
- 829 Small Extracellular Vesicles from adipose derived stromal cells significantly attenuate in vitro the NF- κ B dependent inflammatory/catabolic environment of osteoarthritis. **2021**, 11, 1053 10
- 828 Exosomes in cancer. **2021**, 101, 1-40 8
- 827 Recent updates on the role of extracellular vesicles in the pathogenesis of allergic asthma. **2021**, 2, 127-147 1
- 826 Concentrated small extracellular vesicles from menstrual blood-derived stromal cells improve intrauterine adhesion, a pre-clinical study in a rat model. **2021**, 13, 7334-7347 4

825	Defined MSC exosome with high yield and purity to improve regenerative activity. 2021 , 12, 20417314211008626		
824	Alcohol-and-HIV-Induced Lysosomal Dysfunction Regulates Extracellular Vesicles Secretion and in Liver-Humanized Mice. 2021 , 10,		8
823	Engineering exosomes for targeted drug delivery. 2021 , 11, 3183-3195		108
822	Exosomes in atherosclerosis: performers, bystanders, biomarkers, and therapeutic targets. 2021 , 11, 3996-4010		13
821	Utility of Claudin-3 in extracellular vesicles from human bile as biomarkers of cholangiocarcinoma. 2021 , 11, 1195		4
820	Measuring particle concentration of multimodal synthetic reference materials and extracellular vesicles with orthogonal techniques: Who is up to the challenge?. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12052	16.4	18
819	A plasmon-based nanoruler to probe the mechanical properties of synthetic and biogenic nanosized lipid vesicles. 2021 , 6, 543-550		8
818	Adenine-Based Purines and Related Metabolizing Enzymes: Evidence for Their Impact on Tumor Extracellular Vesicle Activities. 2021 , 10,		1
817	The Microfluidic Toolbox for Analyzing Exosome Biomarkers of Aging. 2021 , 26,		3
816	Extracellular vesicles: Roles and applications in drug-induced liver injury. 2021 , 102, 63-125		1
815	Microglia-oligodendrocyte intercellular communication: role of extracellular vesicle lipids in functional signalling. 2021 , 16, 1194-1195		2
814	Salivary Biomarkers for Non-invasive Early Detection of Head and Neck Cancer. 2021 , 149-166		0
813	Extracellular vesicles: Potential impact on cardiovascular diseases. 2021 , 105, 49-100		1
812	Emerging Roles of Extracellular Vesicles Derived Non-Coding RNAs in the Cardiovascular System. 2021 , 97, 437-453		1
811	Function of exosomes in neurological disorders and brain tumors. 2021 , 2, 55-79		2
810	Engineering Extracellular Vesicles to Target Pancreatic Tissue. 2021 , 5, 378-390		1
809	Autophagy and Exosomes Relationship in Cancer: Friends or Foes?. 2020 , 8, 614178		8
808	The role of small extracellular vesicles in cerebral and myocardial ischemia-Molecular signals, treatment targets, and future clinical translation. 2021 , 39, 403-413		13

807	Vesicle-Mediated Transcytosis and Export of Viruses. 2021 , 529-541	
806	Identification of amyloid beta in small extracellular vesicles Raman spectroscopy. 2021 , 3, 4119-4132	2
805	Isolation and characterization of extracellular vesicles for clinical applications in cancer [Time for standardization?]. 2021 , 3, 1830-1852	4
804	Lysosome function in glomerular health and disease. 2021 , 385, 371-392	6
803	Extracellular Vesicle Transportation and Uptake by Recipient Cells: A Critical Process to Regulate Human Diseases. 2021 , 9,	9
802	Isolation and Characterization of Equine Uterine Extracellular Vesicles: A Comparative Methodological Study. 2021 , 22,	9
801	Hydrogen Peroxide-Induced Senescence Reduces the Wound Healing-Promoting Effects of Mesenchymal Stem Cell-Derived Exosomes Partially via miR-146a. 2021 , 12, 102-115	5
800	Biologically Active Tissue Factor-Bearing Larger Ectosome-Like Extracellular Vesicles in Malignant Effusions from Ovarian Cancer Patients: Correlation with Incidence of Thrombosis. 2021 , 22,	4
799	Hypoxic tumour cell-derived exosomal miR-340-5p promotes radioresistance of oesophageal squamous cell carcinoma via KLF10. 2021 , 40, 38	18
798	Plasma microRNA Interindividual Variability in Healthy Individuals, Pregnant Women, and an Individual with a Stably Altered Neuroendocrine Phenotype. 2021 , 67, 1676-1688	0
797	Extracellular vesicles and pancreatitis: mechanisms, status and perspectives. 2021 , 17, 549-561	5
796	Milk-derived extracellular vesicles alleviate ulcerative colitis by regulating the gut immunity and reshaping the gut microbiota. 2021 , 11, 8570-8586	20
795	Comment on "The Role of Human Breast-Milk Extracellular Vesicles in Child Health and Disease". 2021 , 12, 280	1
794	Transplantation of autologous extracellular vesicles for cancer-specific targeting. 2021 , 11, 2034-2047	9
793	Circulating argonaute-bound microRNA-126 reports vascular dysfunction and treatment response in acute and chronic kidney disease. 2021 , 24, 101937	3
792	Plasma Extracellular Vesicle Subtypes May be Useful as Potential Biomarkers of Immune Activation in People With HIV. 2021 , 6, 1-28	7
791	Exosomal miR-1305 in the oncogenic activity of hypoxic multiple myeloma cells: a biomarker for predicting prognosis. 2021 , 12, 2825-2834	5
790	Isolation and Characterization of Shiga Toxin-Associated Microvesicles. 2021 , 2291, 207-228	1

789	Extracellular vesicles, microRNA and the preimplantation embryo: non-invasive clues of embryo well-being. 2021 , 42, 39-54	2
788	Progress on pivotal role and application of exosome in lung cancer carcinogenesis, diagnosis, therapy and prognosis. 2021 , 20, 22	16
787	Mesenchymal Stromal Cell-Based Therapy: A Promising Approach for Severe COVID-19. 2021 , 30, 963689721995455	16
786	Hypoxic ADSCs-derived EVs promote the proliferation and chondrogenic differentiation of cartilage stem/progenitor cells. 2021 , 10, 322-337	3
785	The Application of Exosomal MicroRNAs in the Treatment of Pancreatic Cancer and Its Research Progress. 2021 , 50, 12-16	4
784	Delivery of miR-424-5p via Extracellular Vesicles Promotes the Apoptosis of MDA-MB-231 TNBC Cells in the Tumor Microenvironment. 2021 , 22,	16
783	New Biomarker in Chagas Disease: Extracellular Vesicles Isolated from Peripheral Blood in Chronic Chagas Disease Patients Modulate the Human Immune Response. 2021 , 2021, 6650670	2
782	Extracellular Vesicles Derived from Mesenchymal Stem Cells. 2022 , 1071-1096	0
781	Mesenchymal Stem Cells. 2022 , 127-162	0
780	Regenerative Medicine Applied to the Treatment of Musculoskeletal Pathologies. 2022 , 1123-1158	0
779	PERSPEKTYWY ZASTOSOWANIA TERAPEUTYCZNEGO EGZOSOMÓW W NAJCZĘCIEJ WYSTĘPUJĄCYCH NOWOTWORACH. 2019 , 17, 29-35	0
778	NKG2D-mediated cytotoxicity improves after primary surgery for high-grade serous ovarian cancer.	0
777	Exosomes-Nature-Inspired Lipid Nanoparticles, a Rising Star in Drug Delivery and Diagnostics.	3
776	The Microbiota Is Not an Organ: Introducing the Muco-Microbiotic Layer as a Novel Morphofunctional Structure. 2022 , 1, 186-203	1
775	Phospholipid-Membrane-Based Nanovesicles Acting as Vaccines for Tumor Immunotherapy: Classification, Mechanisms and Applications. 2022 , 14, 2446	1
774	Harnessing Normal and Engineered Mesenchymal Stem Cells Derived Exosomes for Cancer Therapy: Opportunity and Challenges. 2022 , 23, 13974	0
773	Seminal extracellular vesicles subsets modulate gene expression in cumulus cells of porcine in vitro matured oocytes. 2022 , 12,	0
772	From Promise to Reality: Bioengineering Strategies to Enhance the Therapeutic Potential of Extracellular Vesicles. 2022 , 9, 675	0

- 771 Doxorubicin-Loaded Extracellular Vesicles Enhance Tumor Cell Death in Retinoblastoma. **2022**, 9, 671 ○
- 770 The Role of Cluster C19MC in Pre-Eclampsia Development. **2022**, 23, 13836 ○
- 769 Current Perspectives on Adult Mesenchymal Stromal Cell-Derived Extracellular Vesicles: Biological Features and Clinical Indications. **2022**, 10, 2822 1
- 768 Crosstalk between exosomes and autophagy in spinal cord injury: fresh positive target for therapeutic application. ○
- 767 Detection of Measurable Residual Disease Biomarkers in Extracellular Vesicles from Liquid Biopsies of Multiple Myeloma Patients: A Proof of Concept. **2022**, 23, 13686 ○
- 766 Mesenchymal stromal cell extracellular vesicles for multiple sclerosis in preclinical rodent models: A meta-analysis. 13, 1
- 765 Species-Specific Plant-Derived Nanoparticle Characteristics. **2022**, 11, 3139 1
- 764 Cell-based therapy in prophylaxis and treatment of chronic graft-versus-host disease. 13, 1
- 763 Extracellular vesicle: A magic lamp to treat skin aging, refractory wound, and pigmented dermatosis?. 10, ○
- 762 pSILAC-Based Determination of Cellular Protein Sorting into Extracellular Vesicles. **2023**, 43-58 ○
- 761 Western Blot Protocols for Analysis of CCN Proteins and Fragments in Exosomes, Vesicle-Free Fractions, and Cells. **2023**, 39-57 1
- 760 Formation of intracellular vesicles within the Gram+ *Lactococcus lactis* induced by the overexpression of Caveolin-1. **2022**, 21, ○
- 759 A pilot study for treatment of severe COVID-19 pneumonia by aerosolized formulation of convalescent human immune plasma exosomes (ChipEXO). 13, ○
- 758 Immunomodulatory effects of extracellular vesicles in glioblastoma. 10, ○
- 757 Medium Extracellular Vesicles: A Qualitative and Quantitative Biomarker of Prostate Cancer. **2022**, 10, 2856 ○
- 756 Retinal regions shape human and murine Müller cell proteome profile and functionality. ○
- 755 Mesenchymal Stem Cells and MSCs-Derived Extracellular Vesicles in Infectious Diseases: From Basic Research to Clinical Practice. **2022**, 9, 662 ○
- 754 Age and Sex-Dependent Differences in Human Cardiac Matrix-Bound Exosomes Modulate Fibrosis through Synergistic miRNA Effects. ○

753	Extracellular Vesicle Isolation and Characterization for Applications in Cartilage Tissue Engineering and Osteoarthritis Therapy. 2023 , 123-140	0
752	Urinary extracellular vesicles signature for diagnosis of kidney disease. 2022 , 105416	1
751	Advances in Extracellular Vesicle Nanotechnology for Precision Theranostics. 2204814	0
750	Microfluidics facilitating the use of small extracellular vesicles in innovative approaches to male infertility.	1
749	Comprehensive Method for Exosome Isolation and Proteome Analysis for Detection of CCN Factors in/on Exosomes. 2023 , 59-76	1
748	Generation and cryopreservation of feline oviductal organoids. 2022 ,	0
747	Extracellular vesicles as source for the identification of minimally invasive molecular signatures in glioblastoma. 2022 ,	0
746	Large tumour-derived extracellular vesicles as prognostic indicators of metastatic cancer patient survival.	1
745	Enhancement of IgA production by membrane vesicles derived from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> .	0
744	Characterizing single extracellular vesicles by droplet barcode sequencing for protein analysis. 2022 , 11, 12277	0
743	Extracellular Vesicles as Players in the Anti-Inflammatory Inter-Cellular Crosstalk Induced by Exercise Training. 2022 , 23, 14098	2
742	Extracellular Vesicles in Multiple Myeloma Tracking the Code to a Better Understanding of the Disease. 2022 , 14, 5575	0
741	A human kidney and liver organoid-based multi-organ-on-a-chip model to study the therapeutic effects and biodistribution of mesenchymal stromal cell-derived extracellular vesicles. 2022 , 11, 12280	0
740	Exosomes, Sleep Apnea, and Cardiovascular Disease: Implications for Pathogenesis and Promises for Prevention. 2022 , 101711	0
739	Complementary Metal-Oxide-Semiconductor-Based Sensing Platform for Trapping, Imaging, and Chemical Characterization of Biological Samples.	0
738	Liquid biopsy extracellular vesicles as potential novel players towards precision medicine in asthma. 13,	0
737	Autoantibody panel on small extracellular vesicles for the early detection of lung cancer. 2022 , 245, 109175	0
736	MSC-EV therapy for bone/cartilage diseases. 2022 , 17, 101636	0

- 735 Porous scaffold for mesenchymal cell encapsulation and exosome-based therapy of ischemic diseases. **2022**, 352, 879-892 1
- 734 Improving the circulation time and renal therapeutic potency of extracellular vesicles using an endogenous ligand binding strategy. **2022**, 352, 1009-1023 0
- 733 Proteomes of Extracellular Vesicles From Pancreatic Cancer Cells and Cancer-Associated Fibroblasts. **2022**, 51, 790-799 0
- 732 Nanostructures and Nanotechnologies for the Detection of Extracellular Vesicle. 2200201 0
- 731 Co-aggregation of MSC/chondrocyte in a dynamic 3D culture elevates the therapeutic effect of secreted extracellular vesicles on osteoarthritis in a rat model. **2022**, 12, 0
- 730 Illuminating the Molecular Intricacies of Exosomes and ncRNAs in Cardiovascular Diseases: Prospective Therapeutic and Biomarker Potential. **2022**, 11, 3664 0
- 729 Restoration of WT1/miR-769-5p axis by HDAC1 inhibition promotes MMT reversal in mesenchymal-like mesothelial cells. **2022**, 13, 1
- 728 Phosphatidylserine-exposing medium/large extracellular vesicles: potential cancer biomarkers. 0
- 727 Comprehensive analysis of lncRNA-miRNA-mRNA ceRNA network in exosomes from lipoma tissue reveals differential impacts on biological functions. 0
- 726 Comparison of Methods for MicroRNA Isolation from Extracellular Vesicles Obtained from Ascitic Fluids. **2022**, 87, 1354-1366 0
- 725 Embryonic signals mediate extracellular vesicle biogenesis and trafficking at the embryo/maternal interface. 0
- 724 Challenges and future scope of exosomes in the treatment of cardiovascular diseases. 1
- 723 Therapeutic role of microRNAs of small extracellular vesicles from human mesenchymal stromal/stem cells in the treatment of experimental traumatic brain injury. 0
- 722 Importance and implications of exosomes in nephrology and urology. 0
- 721 Production and purification of bacterial membrane vesicles for biotechnology applications: Challenges and opportunities. 1
- 720 Can exosomes transfer the preconditioning effects triggered by (poly)phenol compounds between cells?. 0
- 719 Extracellular Vesicles and Vascular Activity. **2022**, 287-312 0
- 718 Oligomeric β -synuclein and tau aggregates in NDEVs differentiate Parkinson's disease from atypical parkinsonisms. **2023**, 176, 105947 0

- 717 Exosomes as biomarkers and therapeutic measures for ischemic stroke. **2023**, 939, 175477 ○
- 716 Myeloid-derived suppressor cells ameliorate liver mitochondrial damage to protect against autoimmune hepatitis by releasing small extracellular vesicles. **2023**, 114, 109540 ○
- 715 Magnetic enrichment of immuno-specific extracellular vesicles for mass spectrometry using biofilm-derived iron oxide nanowires. 1
- 714 Ultra-thin membrane filter with a uniformly arrayed nanopore structure for nanoscale separation of extracellular vesicles without cake formation. ○
- 713 Cytotoxicity of mini gold nanorods: intersection with extracellular vesicles. ○
- 712 Improving extracellular vesicles production through a Bayesian optimization-based experimental design. **2023**, 182, 103-114 ○
- 711 Osteoclast-derived extracellular miR-106a-5p promotes osteogenic differentiation and facilitates bone defect healing. **2023**, 102, 110549 ○
- 710 Extracellular vesicles as a novel approach for breast cancer therapeutics. **2023**, 555, 216036 ○
- 709 Isolation-free measurement of single urinary extracellular vesicles by imaging flow cytometry. **2023**, 48, 102638 ○
- 708 Microvesicle-Mediated Transfer of DNA Methyltransferase Proteins Results in Recipient Cell Immunosuppression. **2023**, 283, 368-376 ○
- 707 Therapeutic and diagnostic potential of extracellular vesicles in amyotrophic lateral sclerosis. **2023**, 2, 100019 ○
- 706 Advances in exosome analysis. **2022**, ○
- 705 In situ Photo-crosslinked Adhesive Hydrogel Loaded Mesenchymal Stem Cell-derived Extracellular Vesicles Promotes Diabetic Wound Healing. ○
- 704 Saliva Diagnosis Using Small Extracellular Vesicles and Salivaomics. **2023**, 25-39 ○
- 703 Reductions in extracellular vesicle-associated microRNA-126 levels in coronary blood after acute myocardial infarction: A retrospective study. 9, ○
- 702 UBE2O ubiquitinates PTRF/CAVIN1 and inhibits the secretion of exosome-related PTRF/CAVIN1. **2022**, 20, ○
- 701 Intercellular crosstalk between cancer cells and cancer-associated fibroblasts via extracellular vesicles. **2022**, 22, 1
- 700 The trans-kingdom communication of noncoding RNAs in plant-environment interactions. ○

699	Current management of liver diseases and the role of multidisciplinary approach. 14, 1920-1930	0
698	Extracellular vesicles as personalized medicine. 2022 , 101155	1
697	Emerging role of mesenchymal stem cell-derived extracellular vesicles in oral and craniomaxillofacial tissue regenerative medicine. 10,	0
696	Extracellular Vesicles in Regenerative Processes Associated with Muscle Injury Recovery of Professional Athletes Undergoing Sub Maximal Strength Rehabilitation. 2022 , 23, 14913	1
695	Bio-Pulsed Stimulation Effectively Improves the Production of Avian Mesenchymal Stem Cell-Derived Extracellular Vesicles That Enhance the Bioactivity of Skin Fibroblasts and Hair Follicle Cells. 2022 , 23, 15010	0
694	Autoimmune pre-disease. 2022 , 103236	1
693	Proteomic and functional profiling of platelet-derived extracellular vesicles released under physiological or tumor-associated conditions. 2022 , 8,	1
692	Extracellular Vesicles from Animal Milk: Great Potentialities and Critical Issues. 2022 , 12, 3231	0
691	Extracellular vesicles in neurodegenerative diseases: A systematic review. 15,	1
690	Evaluation and manipulation of tissue and cellular distribution of cardiac progenitor cell-derived extracellular vesicles. 13,	0
689	Comparison of Different Isolation Methods for Plasma-Derived Extracellular Vesicles in Patients with Hyperlipidemia. 2022 , 12, 1942	0
688	Therapeutic Potential of Extracellular Vesicles in Aging and Age-Related Diseases. 2022 , 23, 14632	1
687	Advancing drug delivery to articular cartilage: from single to multiple strategies. 2022 ,	0
686	Immune engineered extracellular vesicles to modulate T cell activation in the context of type 1 diabetes.	0
685	Non-Coding RNAs of Extracellular Vesicles: Key Players in Organ-Specific Metastasis and Clinical Implications. 2022 , 14, 5693	1
684	Glioblastoma-derived extracellular vesicle subpopulations following 5-aminolevulinic acid treatment bear diagnostic implications. 2022 , 11, 12278	0
683	Organism-Generated Biological Vesicles In Situ: An Emerging Drug Delivery Strategy. 2204178	0
682	Platelet-derived microvesicles (PMVs) in cancer progression and clinical applications.	0

- 681 Extracellular Vesicles in Chronic Demyelinating Diseases: Prospects in Treatment and Diagnosis of Autoimmune Neurological Disorders. **2022**, 12, 1943 ○
- 680 Origin and Composition of Exosomes as Crucial Factors in Designing Drug Delivery Systems. **2022**, 12, 12259 ○
- 679 The role of exercise-and high fat diet-induced bone marrow extracellular vesicles in stress hematopoiesis. 13, ○
- 678 Human Blood Extracellular Vesicles Activate Transcription of NF-kB-Dependent Genes in A549 Lung Adenocarcinoma Cells. **2022**, 44, 6028-6045 ○
- 677 Comparative and integrated analysis of plasma extracellular vesicle isolation methods in healthy volunteers and patients following myocardial infarction. **2022**, 1, ○
- 676 Extracellular Vesicle-Based Therapeutics in Neurological Disorders. **2022**, 14, 2652 1
- 675 Regenerative medicine applications: An overview of clinical trials. 10, ○
- 674 Involvement of Bacterial Extracellular Membrane Nanovesicles in Infectious Diseases and Their Application in Medicine. **2022**, 14, 2597 ○
- 673 Extracellular Vesicles and Their Roles in the Tumor Immune Microenvironment. **2022**, 11, 6892 ○
- 672 In vitro model of predicting metastatic ability using tumor derived extracellular vesicles; beyond seed soil hypothesis. **2022**, 12, ○
- 671 Small Non-Coding RNA Profiles of Sorted Plasma Extracellular Vesicles: Technical Approach. **2022**, 58, 1847-1864 ○
- 670 Application of Extracellular Vesicles in Gynecologic Cancer Treatment. **2022**, 9, 740 ○
- 669 Extracellular Vesicles from 50,000 Generation Clones of the Escherichia coli Long-Term Evolution Experiment. **2022**, 23, 14580 1
- 668 Eavesdropping on extracellular vesicles. **2022**, 19, 1518-1523 ○
- 667 An Update on Peripheral Blood Extracellular Vesicles as Biomarkers for Parkinson's Disease Diagnosis. **2022**, 1
- 666 Extracellular signals regulate the biogenesis of extracellular vesicles. **2022**, 55, 1
- 665 Extracellular Vesicles from Ocular Melanoma Have Pro-Fibrotic and Pro-Angiogenic Properties on the Tumor Microenvironment. **2022**, 11, 3828 ○
- 664 Plasma levels of E-selectin are associated with retinopathy in sickle cell disease. ○

- 663 Extracellular vesicles: A potential future strategy for dental and maxillofacial tissue repair and regeneration. 13, 0
- 662 Development and Characterization of Bioinspired Lipid Raft Nanovesicles for Therapeutic Applications. **2022**, 14, 54458-54477 1
- 661 Oral nicotinamide riboside raises NAD + and lowers biomarkers of neurodegenerative pathology in plasma extracellular vesicles enriched for neuronal origin. 0
- 660 Bolstering the secretion and bioactivities of umbilical cord MSC-derived extracellular vesicles with 3D culture and priming in chemically defined media. **2022**, 9, 0
- 659 Research advances and challenges in tissue-derived extracellular vesicles. 9, 0
- 658 The Upregulation of Regenerative Activity for Extracellular Vesicles with Melatonin Modulation in Chemically Defined Media. **2022**, 23, 15089 1
- 657 Spermatozoa, acts as an external cue and alters the cargo and production of the extracellular vesicles derived from oviductal epithelial cells in vitro. 0
- 656 Inhibition of cholesterol transport impairs Cav-1 trafficking and small extracellular vesicles secretion, promoting amphisome formation in melanoma cells. 0
- 655 Tumor-Derived Small Extracellular Vesicles Involved in Breast Cancer Progression and Drug Resistance. **2022**, 23, 15236 0
- 654 Metabolomics of Extracellular Vesicles: A Future Promise of Multiple Clinical Applications. Volume 17, 6113-6129 2
- 653 Cell therapy for the treatment of reproductive diseases and infertility: an overview from the mechanism to the clinic alongside diagnostic methods. 0
- 652 Research landscape of exosomes in platelets from 2000 to 2022: A bibliometric analysis. 9, 0
- 651 A Label-Free Proteomic Approach for the Identification of Biomarkers in the Exosome of Endometrial Cancer Serum. **2022**, 14, 6262 0
- 650 Relevance of biochemical deep phenotyping for a personalised approach to Parkinson's disease. **2022**, 0
- 649 Extracellular Vesicles Role in the Pathophysiology and as Biomarkers in Cystic Fibrosis and COPD. **2023**, 24, 228 0
- 648 Evaluation of Exosomal Coding and Non-Coding RNA Signature in Obese Adolescents. **2023**, 24, 139 0
- 647 Small extracellular vesicles: a new player in GDM pathogenesis. **2022**, 136, 1873-1875 0
- 646 Shaping infant development from the inside out: Bioactive factors in human milk. **2022**, 151690 0

- 645 Endometrial small extracellular vesicles regulate human trophectodermal cell invasion by reprogramming the phosphoproteome landscape. 10, 1
- 644 Intravesicular Genomic DNA Enriched by Size Exclusion Chromatography Can Enhance Lung Cancer Oncogene Mutation Detection Sensitivity. **2022**, 23, 16052 0
- 643 Electrochemical Detection of Cancer Fingerprint: A Systematic Review on Recent Progress in Extracellular Vesicle Research from Lab to Market. **2023**, 47-77 0
- 642 Potential Role of Tumor-Derived Exosomes in Non-Small-Cell Lung Cancer in the Era of Immunotherapy. **2022**, 12, 2104 1
- 641 Injectable MMP1-sensitive microspheres with spatiotemporally controlled exosome release promote neovascularized bone healing. **2022**, 0
- 640 Extracellular vesicle DNA from human melanoma tissues contains cancer-specific mutations. 10, 0
- 639 Exosomes: from biology to immunotherapy in infectious diseases. 1-29 0
- 638 Fluorescence tagged salivary small extracellular vesicles as a nanotool in early diagnosis of Parkinson's disease. 0
- 637 Extracellular vesicles improve GABAergic transmission in Huntington's disease iPSC-derived neurons. 0
- 636 Biomimicking Extracellular Vesicles with Fully Artificial Ones: A Rational Design of EV-BIOMIMETICS toward Effective Theranostic Tools in Nanomedicine. 0
- 635 Label-free relative quantitative proteomics reveals extracellular vesicles as a vehicle for Salmonella effector protein delivery. 13, 0
- 634 The role of extracellular vesicles and interleukin-8 in regulating and mediating neutrophil-dependent cancer drug resistance. 12, 0
- 633 Antigen-Loaded Extracellular Vesicles Induce Responsiveness to Anti-PD-1 and Anti-PD-L1 Treatment in a Checkpoint Refractory Melanoma Model. 0
- 632 Proteomic landscape of tunneling nanotubes reveals CD9 and CD81 tetraspanins as key regulators. 0
- 631 Phospholipid fatty acid remodeling and carbonylated protein increase in extracellular vesicles released by airway epithelial cells exposed to cigarette smoke extract. **2022**, 151285 0
- 630 Preparation of microgel co-loaded with nuciferine and epigallocatechin-3-gallate for the regulation of lipid metabolism. 9, 0
- 629 CD146+ Endometrial-Derived Mesenchymal Stem/Stromal Cell Subpopulation Possesses Exosomal Secretomes with Strong Immunomodulatory miRNA Attributes. **2022**, 11, 4002 0
- 628 An induced population of *Trypanosoma cruzi* epimastigotes more resistant to complement lysis promotes a phenotype with greater differentiation, invasiveness, and release of extracellular vesicles. 12, 0

- 627 Engineered Nanovesicles from Fibroblasts Modulate Dermal Papillae Cells In Vitro and Promote Human Hair Follicle Growth Ex Vivo. **2022**, 11, 4066 ○
- 626 Nickel-Doped Microfluidic Chip for Rapid and Efficient Immunomagnetic Separation and Detection of Breast Cancer Cell-Derived Exosomes. ○
- 625 Lipopolysaccharide pretreated bone marrow mesenchymal stem cells derived exosomes promote M2 macrophage polarization through CCN3/NOTCH1 pathway. ○
- 624 Protozoa-Derived Extracellular Vesicles on Intercellular Communication with Special Emphasis on Giardia lamblia. **2022**, 10, 2422 ○
- 623 Gastric Cancer Cell-Derived Exosomal GRP78 Enhances Angiogenesis upon Stimulation of Vascular Endothelial Cells. **2022**, 44, 6145-6157 1
- 622 Research progress of odontogenic extracellular vesicles in regeneration of dental pulp. ○
- 621 Periodontal Ligament Stem Cell-Derived Extracellular Vesicles Enhance Tension-Induced Osteogenesis. ○
- 620 Reduced mortality among COVID-19 ICU patients after treatment with HemoClear convalescent plasma in Suriname. ○
- 619 Tumor-Derived Extracellular Vesicles in Cancer Immunoediting and Their Potential as Oncoimmunotherapeutics. **2023**, 15, 82 1
- 618 CoLoC-seq probes the global topology of organelle transcriptomes. ○
- 617 Roles of extracellular vesicles associated non-coding RNAs in Diabetes Mellitus. 13, ○
- 616 Pheromone-dependent olfaction bidirectionally regulates muscle extracellular vesicles formation. ○
- 615 Characterization of membrane vesicles in *Alteromonas macleodii* indicates potential roles in their copiotrophic lifestyle. ○
- 614 Plant-derived extracellular vesicles: Recent advancements and current challenges on their use for biomedical applications. **2022**, 11, 12283 1
- 613 The Therapeutic Potential and Clinical Significance of Exosomes as Carriers of Drug Delivery System. **2023**, 15, 21 ○
- 612 The impact of environmental contaminants on extracellular vesicles and their key molecular regulators: A literature and database-driven review. ○
- 611 Prolonged Exposure to Simulated Microgravity Changes Release of Small Extracellular Vesicle in Breast Cancer Cells. **2022**, 23, 16095 1
- 610 Extracellular Vesicles as Mediators of Nickel-Induced Cancer Progression. **2022**, 23, 16111 ○

- 609 Biomarkers in Pulmonary Arterial Hypertension. **2022**, 12, 3033 ○
- 608 Role of Ceramides and Lysosomes in Extracellular Vesicle Biogenesis, Cargo Sorting and Release. **2022**, 23, 15317 ○
- 607 Advances in Purification, Modification, and Application of Extracellular Vesicles for Novel Clinical Treatments. **2022**, 12, 1244 ○
- 606 Extracellular Vesicles as Biomarkers in Liver Disease. **2022**, 23, 16217 ○
- 605 Surface protein profiling of prostate-derived extracellular vesicles by mass spectrometry and proximity assays. **2022**, 5, ○
- 604 Placenta-derived extracellular vesicles from preeclamptic and healthy pregnancies impair ex vivo vascular endothelial function. **2022**, 42, ○
- 603 Extracellular Vesicles as Drug Targets and Delivery Vehicles for Cancer Therapy. **2022**, 14, 2822 1
- 602 Small extracellular vesicles in metabolic remodeling of tumor cells: Cargos and translational application. 13, 1 ○
- 601 TSPAN4-positive migrasome derived from retinal pigmented epithelium cells contributes to the development of proliferative vitreoretinopathy. **2022**, 20, ○
- 600 Intracellular and intercellular transport of RNA organelles in CXG repeat disorders: The strength of weak ties. 9, ○
- 599 Post-exercise endothelial function is not associated with extracellular vesicle release in healthy young males.. ○
- 598 Diverse Neutrophil Functions in Cancer and Promising Neutrophil-Based Cancer Therapies. **2022**, 23, 15827 ○
- 597 Extracellular vesicles from IFN- β -primed mesenchymal stem cells repress atopic dermatitis in mice. **2022**, 20, ○
- 596 New Therapeutics for Extracellular Vesicles: Delivering CRISPR for Cancer Treatment. **2022**, 23, 15758 ○
- 595 Comparison of viral inactivation methods on the characteristics of extracellular vesicles from SARS-CoV-2 infected human lung epithelial cells. **2022**, 11, 12291 ○
- 594 Suppression of PD-L1 release from small extracellular vesicles promotes systemic anti-tumor immunity by targeting ORAI1 calcium channels. **2022**, 11, 12279 ○
- 593 Production and Biological Effects of Extracellular Vesicles from Adipose-Derived Stem Cells Were Markedly Increased by Low-Intensity Ultrasound Stimulation for Promoting Diabetic Wound Healing. 1 ○
- 592 Mesenchymal stem cell-derived exosomes: The dawn of diabetic wound healing. 13, 1066-1095 1

591	Status quo of Extracellular Vesicle isolation and detection methods for clinical utility. 2022,	2
590	Current Status of Research on Small Extracellular Vesicles for the Diagnosis and Treatment of Urological Tumors. 2023, 15, 100	0
589	Advanced Therapies for Traumatic Central Nervous System Injury: Delivery Strategy Reinforced Efficient Microglial Manipulation.	0
588	M2-like macrophage-derived exosomes facilitate metastasis in non-small-cell lung cancer by delivering integrin $\alpha 5 \beta 1$. 2023, 4,	0
587	Detection of circulating KRAS mutant DNA in extracellular vesicles using droplet digital PCR in patients with colon cancer. 12,	1
586	HRS regulates small extracellular vesicle PD-L1 secretion and is associated with anti-PD-1 treatment efficacy.	0
585	Electrodeposited magnetic nanoporous membrane for high-yield and high-throughput immunocapture of extracellular vesicles and lipoproteins. 2022, 5,	0
584	Leishmania Vesicle-Depleted Exoproteome: What, Why, and How?. 2022, 10, 2435	1
583	Exosomal TAR DNA binding protein 43 profile in canine model of amyotrophic lateral sclerosis: a preliminary study in developing blood-based biomarker for neurodegenerative diseases. 2023, 55, 34-41	0
582	Peroxisome proliferator-activated receptor α coactivator 1 β overexpression improves angiogenic signalling potential of skeletal muscle-derived extracellular vesicles.	0
581	Preeclampsia and syncytiotrophoblast membrane extracellular vesicles (STB-EVs). 2022, 136, 1793-1807	0
580	Analysis and Biomedical Applications of Functional Cargo in Extracellular Vesicles.	0
579	Fibroblasts-derived extracellular vesicles contain SFRP1 and mediate pulmonary fibrosis.	0
578	COVID-19 plasma exosomes promote proinflammatory immune responses in peripheral blood mononuclear cells. 2022, 12,	0
577	Nanofiber formation as a promising technology for preservation and easy storage of extracellular vesicles. 2022, 12,	1
576	Inducible Pluripotent Stem Cell-Derived Small Extracellular Vesicles Rejuvenate Senescent BloodBrain Barrier to Protect against Ischemic Stroke in Aged Mice.	0
575	Are there foetal extracellular vesicles in maternal blood? Prospects for diagnostic biomarker discovery.	0
574	Antimicrobial and Immunomodulatory Potential of Cow Colostrum Extracellular Vesicles (ColosEVs) in an Intestinal In Vitro Model. 2022, 10, 3264	0

- 573 A promising future for endometriosis diagnosis and therapy: extracellular vesicles - a systematic review. **2022**, 20, ○
- 572 Extracellular vesicles secreted by adenomyosis endometrial organoids contain miRNAs involved in adenomyosis progression, embryo implantation failure, and pregnancy complications. **2022**, ○
- 571 Proteomic analysis of small extracellular vesicles from the plasma of patients with hepatocellular carcinoma. **2022**, 20, ○
- 570 Adipose tissue-derived small extracellular vesicles modulate macrophages to improve the homing of adipocyte precursors and endothelial cells in adipose tissue regeneration. 10, ○
- 569 Early Diagnosis of Brain Diseases Using Artificial Intelligence and EV Molecular Data: A Proposed Noninvasive Repeated Diagnosis Approach. **2023**, 12, 102 ○
- 568 Isolation of native EVs from primary biofluidsFree-flow electrophoresis as a novel approach to purify ascites-derived EVs. **2022**, 1, ○
- 567 Evaluation of EV Storage Buffer for Efficient Preservation of Engineered Extracellular Vesicles. ○
- 566 High yield engineered nanovesicles from ADSC with enriched miR-21-5p promote angiogenesis in adipose tissue regeneration. **2022**, 26, ○
- 565 Endosomal egress and intercellular transmission of hepatic ApoE-containing lipoproteins and its exploitation by the hepatitis C virus. ○
- 564 Extracellular Events Involved in Cancer CellCell Fusion. **2022**, 23, 16071 ○
- 563 Fibroblast growth factor-2 bound to specific dermal fibroblast-derived extracellular vesicles is protected from degradation. **2022**, 12, ○
- 562 Characterization of bovine uterine fluid extracellular vesicles proteomic profiles at follicular and luteal phases of the oestrous cycle. ○
- 561 TGFβ β small extracellular vesicles from head and neck squamous cell carcinoma cells reprogram macrophages towards a pro-angiogenic phenotype. **2022**, 11, 12294 1
- 560 Distinct non-coding RNA cargo of extracellular vesicles from M1 and M2 human primary macrophages. **2022**, 11, 12293 ○
- 559 Mechanical stimulation on a microfluidic device to highly enhance small extracellular vesicle secretion of mesenchymal stem cells. **2022**, 100527 ○
- 558 Placental extracellular vesicles in maternal-fetal communication during pregnancy. **2022**, 50, 1785-1795 ○
- 557 Extracellular vesicles in the glioblastoma microenvironment: A diagnostic and therapeutic perspective. **2022**, 101167 ○
- 556 Oxidative Stress and Extracellular Matrix Remodeling Are Signature Pathways of Extracellular Vesicles Released upon Morphine Exposure on Human Brain Microvascular Endothelial Cells. **2022**, 11, 3926 ○

555	Extracellular Chaperone Networks and the Export of J-Domain Proteins. 2022 , 102840	0
554	Artificial and Naturally Derived Phospholipidic Bilayers as Smart Coatings of Solid-State Nanoparticles: Current Works and Perspectives in Cancer Therapy. 2022 , 23, 15815	0
553	Injectable Drug Delivery Systems for Osteoarthritis and Rheumatoid Arthritis.	1
552	Bone marrow mesenchymal stromal cell-derived small extracellular vesicles: A novel therapeutic agent in ischemic heart diseases. 13,	0
551	Myelin Basic Protein in Oligodendrocyte-Derived Extracellular Vesicles as a Diagnostic and Prognostic Biomarker in Multiple Sclerosis: A Pilot Study. 2023 , 24, 894	0
550	Membrane Protein Modification Modulates Big and Small Extracellular Vesicle Biodistribution and Tumorigenic Potential in Breast Cancers in vivo. 2208966	0
549	Comparative Proteomic Analysis of Milk-Derived Extracellular Vesicles from Dairy Cows with Clinical and Subclinical Mastitis. 2023 , 13, 171	0
548	Proteomic Assessment of Hypoxia-pre-conditioned Human Bone Marrow Mesenchymal Stem Cell-Derived Extracellular Vesicles Demonstrates Promise in the Treatment of Cardiovascular Disease. 2023 , 24, 1674	0
547	Extracellular vesicles: Focus on peri-implantation period of pregnancy in pigs.	0
546	The Double-Edged Role of Extracellular Vesicles in the Hallmarks of Aging. 2023 , 13, 165	1
545	Dynamic release of neuronal extracellular vesicles containing miR-21a-5p is induced by hypoxia. 2023 , 12, 12297	1
544	Proteomic and phosphoproteomic landscape of salivary extracellular vesicles to assess OSCC therapeutical outcomes. 2200319	0
543	Interaction between endothelial cell-derived extracellular vesicles and monocytes: A potential link between vascular thrombosis and pregnancy-related morbidity in antiphospholipid syndrome. 2023 , 103274	0
542	Loading Nanoceria Improves Extracellular Vesicle Membrane Integrity and Therapy to Wounds in Aged Mice.	0
541	Molecular profiling of urinary extracellular vesicles in chronic kidney disease and renal fibrosis. 13,	0
540	Extracellular vesicles and melanoma: New perspectives on tumor microenvironment and metastasis. 10,	0
539	HA-tag CD63 is a novel conditional transgenic approach to track extracellular vesicle interactions with sperm and their transfer at conception. 2023 , 13,	0
538	Extracellular Vesicles and Cellular Ageing. 2023 , 271-311	1

- 537 Small extracellular vesicles from mesenchymal stem cells: A potential Weapon for chronic non-healing wound treatment. 10, ○
- 536 Characterisation of Colorectal Cancer Cell Lines through Proteomic Profiling of Their Extracellular Vesicles. **2023**, 11, 3 ○
- 535 Contribution of Extracellular Vesicles and Molecular Chaperones in Age-Related Neurodegenerative Disorders of the CNS. **2023**, 24, 927 ○
- 534 Bacterial outer membrane vesicles induce a transcriptional shift in arabidopsis towards immune system activation leading to suppression of pathogen growth in planta. **2023**, 12, 12285 ○
- 533 Label-Free Identification of Exosomes using Raman Spectroscopy and Machine Learning. 2205519 ○
- 532 Secretome of Mesenchymal Stromal Cells as a Possible Innovative Therapeutic Tool in Facial Nerve Injury Treatment. **2023**, 2023, 1-7 ○
- 531 Therapeutic application of mesenchymal stem cells-derived extracellular vesicles in colorectal cancer. **2023**, 47, 455-464 ○
- 530 Implications of Crosstalk between Exosome-Mediated Ferroptosis and Diseases for Pathogenesis and Treatment. **2023**, 12, 311 ○
- 529 Cancer-associated fibroblasts produce matrix-bound vesicles that influence endothelial cell function. ○
- 528 Cord Blood Plasma and Placental Mesenchymal Stem Cells-Derived Exosomes Increase Ex Vivo Expansion of Human Cord Blood Hematopoietic Stem Cells While Maintaining Their Stemness. **2023**, 12, 250 ○
- 527 MAPK inhibitors dynamically affect melanoma release of immune NKG2D-ligands, as soluble protein and extracellular vesicle-associated. 10, ○
- 526 Extracellular Vesicles-Based Cell-Cell Communication in Melanoma: New Perspectives in Diagnostics and Therapy. **2023**, 24, 965 ○
- 525 Plant Derived Vesicle-Like Nanoparticles as Promising Biotherapeutic Tools: Present and Future. 2207826 4
- 524 Extracellular Vesicles (EVs) as a Window to the Brain—Potential, Challenges and Future Perspectives. ○
- 523 Special considerations for studies of extracellular vesicles from parasitic helminths: A community-led roadmap to increase rigour and reproducibility. **2023**, 12, 12298 1
- 522 Diagnostic and Prognostic Role of Extracellular Vesicles in Pancreatic Cancer: Current Evidence and Future Perspectives. **2023**, 24, 885 ○
- 521 Extracellular vesicles and insulin-mediated vascular function in metabolic syndrome. **2023**, 11, ○
- 520 Immunosuppressive functions of melanoma cell-derived exosomes in plasma of melanoma patients. 10, ○

- 519 Omics insights into extracellular vesicles in embryo implantation and their therapeutic utility. 2200107 ○
- 518 Evaluation of the Potential of Umbilical Cord Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles to Improve Rotator Cuff Healing: A Pilot Ovine Study. 036354652211459 ○
- 517 Extracellular Vesicles: New Classification and Tumor Immunosuppression. **2023**, 12, 110 1
- 516 Metabolomics of small extracellular vesicles derived from isocitrate dehydrogenase 1-mutant HCT116 cells collected by semi-automated size exclusion chromatography. 9, ○
- 515 Extracellular Vesicles for Dental Pulp and Periodontal Regeneration. **2023**, 15, 282 ○
- 514 Extracellular Vesicles Biogenesis, Cargo Sorting and Implications in Disease Conditions. **2023**, 12, 280 ○
- 513 Extracellular Vesicles Are Important Mediators That Regulate Tumor Lymph Node Metastasis via the Immune System. **2023**, 24, 1362 ○
- 512 Proteomic analysis identifies Stomatin as a biological marker for psychological stress. **2023**, 22, 100513 ○
- 511 Extracellular vesicles in the retina - putative roles in physiology and disease. 15, ○
- 510 Treatment dependent impact of plasma-derived exosomes from head and neck cancer patients on the epithelial-to-mesenchymal transition. 12, ○
- 509 A Meta-analysis on the Effectiveness of Extracellular Vesicles as Nanosystems for Targeted Delivery of Anticancer Drugs. ○
- 508 Cytochalasin B-Induced Membrane Vesicles from TRAIL-Overexpressing Mesenchymal Stem Cells Induce Extrinsic Pathway of Apoptosis in Breast Cancer Mouse Model. **2023**, 45, 571-592 ○
- 507 SEVs-mediated miR-6750 transfer inhibits pre-metastatic niche formation in nasopharyngeal carcinoma by targeting M6PR. **2023**, 9, ○
- 506 Study of Ferroptosis Transmission by Small Extracellular Vesicles in Epithelial Ovarian Cancer Cells. **2023**, 12, 183 ○
- 505 Production cell analysis and compound-based boosting of small extracellular vesicle secretion using a generic and scalable production platform. ○
- 504 Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. 10, ○
- 503 Messenger roles of extracellular vesicles during fertilization of gametes, development and implantation: Recent advances. 10, ○
- 502 Recent advances in macrophage-derived exosomes as delivery vehicles. **2023**, 1

501	Plasma small extracellular vesicles from dogs affected by cutaneous mast cell tumors deliver high levels of miR-21-5p. 9,	o
500	Hypoxia-Elicited Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Alleviate Myocardial Infarction by Promoting Angiogenesis through the miR-214/Sufu Pathway. 2023 , 2023, 1-14	o
499	The potential therapeutic role of extracellular vesicles in critical-size bone defects: Spring of cell-free regenerative medicine is coming. 11,	o
498	HWJMSC-derived extracellular vesicles ameliorate IL-1 β -induced chondrocyte injury through regulation of the BMP2/RUNX2 axis via up-regulation TFRC. 2023 , 110604	o
497	Microstructured Optical Fiber-Enhanced Light-Matter Interaction Enables Highly Sensitive Exosome-Based Liquid Biopsy of Breast Cancer.	o
496	Endothelial cell-derived exosomes boost and maintain repair-related phenotypes of Schwann cells via miR199-5p to promote nerve regeneration. 2023 , 21,	o
495	Combination of size-exclusion chromatography and ion exchange adsorption for improving the proteomic analysis of plasma-derived extracellular vesicles. 2200364	o
494	Extracellular vesicles regulate the transmission of insulin resistance and redefine noncommunicable diseases. 9,	o
493	Single Molecule Localization Microscopy for Studying Small Extracellular Vesicles. 2205030	o
492	Anti-angiogenic effect of exo-LncRNA TUG1 in myocardial infarction and modulation by remote ischemic conditioning. 2023 , 118,	o
491	Extracellular Vesicles and Particles Modulate Proton Secretion in a Model of Human Parietal Cells. 2023 , 8, 2213-2226	o
490	Exosome-mediated regulatory mechanisms in skeletal muscle: a narrative review. 2023 , 24, 1-14	o
489	Impact of Experimental Conditions on Extracellular Vesicles Proteome: A Comparative Study. 2023 , 13, 206	1
488	Water-soluble extracellular vesicle probes based on conjugated oligoelectrolytes. 2023 , 9,	o
487	Multiple myeloma-derived miR-27b-3p facilitates tumour progression via promoting tumour cell proliferation and immunosuppressive microenvironment. 2023 , 13,	o
486	Exosomes in chronic liver disease. 2023 , 540, 117215	o
485	The NLRP3 Inflammasome in Age-Related Cerebral Small Vessel Disease Manifestations: Untying the Innate Immune Response Connection. 2023 , 13, 216	o
484	Role of microvesicles as markers of inflammation and adverse clinical outcomes in orthotopic liver transplantation. 2023 , 9, 100138	o

- 483 Exosomes: the latest in regenerative aesthetics. **2023**, 18, 181-194 1
- 482 Mitochondria-containing extracellular vesicles (EV) reduce mouse brain infarct sizes and EV/HSP27 protect ischemic brain endothelial cultures. **2023**, 354, 368-393 0
- 481 Immunoinertial microfluidics: A novel strategy for isolation of small EV subpopulations. **2023**, 30, 101730 1
- 480 Biochemistry of exosomes and their theranostic potential in human diseases. **2023**, 315, 121369 0
- 479 Alternative biological sources for extracellular vesicles production and purification strategies for process scale-up. **2023**, 63, 108092 0
- 478 Exosomes and exosome-loaded scaffolds: Characterization and application in modern regenerative medicine. **2023**, 80, 102007 0
- 477 Human umbilical cord mesenchymal stem cell-derived extracellular vesicles alleviated silica induced lung inflammation and fibrosis in mice via circPWWP2A/miR-223Bp/NLRP3 axis. **2023**, 251, 114537 0
- 476 Exosome therapies improve outcome in rodents with ischemic stroke; meta-analysis. **2023**, 1803, 148228 0
- 475 Impact of acute moderate-intensity aerobic exercise on circulating extracellular vesicles in pregnant and non-pregnant women. 1
- 474 Applications of Extracellular Vesicles in Nervous System Disorders: An Overview of Recent Advances. **2023**, 10, 51 0
- 473 The cell type dependent sorting of CD9- and CD81 to extracellular vesicles can be exploited to convey tumor sensitive cargo to target cells. **2023**, 30, 0
- 472 Microfluidic Strategies for Extracellular Vesicle Isolation: Towards Clinical Applications. **2023**, 13, 50 0
- 471 Decoding Roles of Exosomal lncRNAs in Tumor-Immune Regulation and Therapeutic Potential. **2023**, 15, 286 2
- 470 Exosome-Based Cell Homing and Angiogenic Differentiation for Dental Pulp Regeneration. **2023**, 24, 466 0
- 469 Can Extracellular Vesicles as Drug Delivery Systems Be a Game Changer in Cardiac Disease?. 0
- 468 The Role of Extracellular Vesicles in Diseases of the Ear, Nose, and Throat. **2023**, 11, 6 0
- 467 Source of Liquid Biopsy Biomarker: Exosome vs Whole Plasma, Fasting vs Non-fasting. 0
- 466 Circulating Extracellular Vesicles Are Increased in Newly Diagnosed Celiac Disease Patients. **2023**, 15, 71 0

- 465 Exosomes: A new option for osteoporosis treatment. **2022**, 101, e32402 ○
- 464 Extracellular Vesicles from *Campylobacter jejuni* CDT-Treated Caco-2 Cells Inhibit Proliferation of Tumour Intestinal Caco-2 Cells and Myeloid U937 Cells: Detailing the Global Cell Response for Potential Application in Anti-Tumour Strategies. **2023**, 24, 487 ○
- 463 Combination of Small Extracellular Vesicle-Derived Annexin A2 Protein and mRNA as a Potential Predictive Biomarker for Chemotherapy Responsiveness in Aggressive Triple-Negative Breast Cancer. **2023**, 15, 212 ○
- 462 MiRNAs and snoRNAs in Bone Metastasis: Functional Roles and Clinical Potential. **2023**, 15, 242 ○
- 461 The Association of Glucose Control with Circulating Levels of Red Blood Cell-Derived Vesicles in Type 2 Diabetes Mellitus Patients with Atrial Fibrillation. **2023**, 24, 729 ○
- 460 Roles of extracellular vesicles in periodontal homeostasis and their therapeutic potential. **2022**, 20, 1
- 459 Infection-Induced Extracellular Vesicles Evoke Neuronal Transcriptional and Epigenetic Changes. ○
- 458 Emerging Roles of Extracellular Vesicles in Alzheimer's Disease: Focus on Synaptic Dysfunction and Vesicle-Neuron Interaction. **2023**, 12, 63 ○
- 457 Human Neutrophils Generate Extracellular Vesicles That Modulate Their Functional Responses. **2023**, 12, 136 ○
- 456 High-Phosphate-Stimulated Macrophage-Derived Exosomes Promote Vascular Calcification via let-7b-5p/TGFBR1 Axis in Chronic Kidney Disease. **2023**, 12, 161 ○
- 455 Composition and Possibility of Application in Practical Medicine of Exosome/Extracellular Vesicles from Multipotent Stromal Cells. **2022**, 77, 336-344 ○
- 454 Many Ways to Communicate Crosstalk between the HBV-Infected Cell and Its Environment. **2023**, 12, 29 ○
- 453 Extracellular Vesicles in Amyotrophic Lateral Sclerosis. **2023**, 13, 121 ○
- 452 Mitochondrial DNA and inflammatory proteins are higher in extracellular vesicles from frail individuals. **2023**, 20, ○
- 451 Extracellular Vesicles as Potential Biomarkers in Amyotrophic Lateral Sclerosis. **2023**, 14, 325 ○
- 450 A specific technique of immunolabelling of urinary small extracellular vesicle biomarkers for the diagnostic of renal cancer. ○
- 449 Small extracellular vesicles released from germinated kiwi pollen (pollensomes) present characteristics similar to mammalian exosomes and carry a plant homolog of ALIX. 14, ○
- 448 Practical tips and new trends in electrochemical biosensing of cancer-related extracellular vesicles. **2023**, 415, 1087-1106 1

447	Serum small extracellular vesicles in overweight and obese dogs before and after weight loss: preliminary observations. 2023 , 75, 147-152	0
446	Extracellular Vesicles as New Players in Drug Delivery: A Focus on Red Blood Cells-Derived EVs. 2023 , 15, 365	1
445	Intravenous iron supplementation in heart failure patients induces temporary endothelial dysfunction with release of endothelial microvesicles. 13,	1
444	Effects of Exosomes on Tumor Bioregulation and Diagnosis.	0
443	Extracellular MicroRNAs as Putative Biomarkers of Air Pollution Exposure. 2023 , 439-462	0
442	Liquid biopsy of exosome markers for molecular diagnosis of genitourinary cancer. 2023 , 5-18	0
441	Role of exosomes in bladder cancer diagnosis and therapy. 2023 , 249-258	0
440	Requirements for human mesenchymal stem cell-derived small extracellular vesicles. 2023 , 1,	0
439	MicroRNA profiling of low concentration extracellular vesicle RNA utilizing NanoString nCounter technology. 2023 , 2,	0
438	Extracellular vesicle-microRNAs mediated response of bovine ovaries to environmental heat stress.	0
437	Editorial: The role of extracellular vesicles in diseases: Shedding light on their role in cell-to-cell communication. 14,	0
436	Identification of Novel Senescent Markers in Small Extracellular Vesicles. 2023 , 24, 2421	0
435	Investigation of the Protective Effect of Extracellular Vesicle miR-124 on Retinal Ganglion Cells Using a Photolabile Paper-Based Chip. 2023 , 64, 17	0
434	Detection of tumor-derived extracellular vesicles interactions with immune cells is dependent on EV-labelling methods.	0
433	Emerging role of microbiota derived outer membrane vesicles to preventive, therapeutic and diagnostic proposes. 2023 , 18,	1
432	Electroformed Inverse-Opal Nanostructures for Surface-Marker-Specific Isolation of Extracellular Vesicles Directly from Complex Media. 2201622	0
431	A novel approach for large-scale manufacturing of small extracellular vesicles from bone marrow-derived mesenchymal stromal cells using a hollow fiber bioreactor. 11,	0
430	Circulating Histones to Detect and Monitor the Progression of Cancer. 2023 , 24, 942	1

- 429 Circulating Extracellular Vesicle-Propagated microRNA Signature as a Vascular Calcification Factor in Chronic Kidney Disease. ○
- 428 Single-cell transcriptomics reveal extracellular vesicles secretion with a cardiomyocyte proteostasis signature during pathological remodeling. **2023**, 6, ○
- 427 Research progress of exosomes in pathogenesis, diagnosis, and treatment of ocular diseases. 11, ○
- 426 MMP-9 as Prognostic Marker for Brain Tumours: A Comparative Study on Serum-Derived Small Extracellular Vesicles. **2023**, 15, 712 ○
- 425 Engineering extracellular vesicles derived from macrophages for tumor therapy: a review. ○
- 424 Extracellular Vesicles as Therapeutic Resources in the Clinical Environment. **2023**, 24, 2344 ○
- 423 Extracellular Vesicles: New Players in the Mechanisms of Sepsis- and COVID-19-Related Thromboinflammation. **2023**, 24, 1920 ○
- 422 Free complement and complement containing extracellular vesicles as potential biomarkers for neuroinflammatory and neurodegenerative disorders. 13, 1
- 421 Role of cytoneme-like structures and extracellular vesicles in *Trichomonas vaginalis* parasite: parasite communication. ○
- 420 Stem cell- derived extracellular vesicles as new tools in regenerative medicine - Immunomodulatory role and future perspectives. 14, ○
- 419 Fibronectin and JMJD6 signature in circulating placental extracellular vesicles for the detection of preeclampsia. ○
- 418 Ceramide present in cholangiocarcinoma-derived extracellular vesicle induces a pro-inflammatory state in monocytes.. ○
- 417 Extracellular Vesicles Genetic Cargo as Noninvasive Biomarkers in Cancer: A Pilot Study Using ExoGAG Technology. **2023**, 11, 404 ○
- 416 Electrochemical Genosensing of Overexpressed GAPDH Transcripts in Breast Cancer Exosomes. **2023**, 95, 2487-2495 1
- 415 Small Extracellular Vesicles as a New Class of Medicines. **2023**, 15, 325 1
- 414 Inhalable CAR-T Cell-Derived Exosomes as Paclitaxel Carriers for Treating Lung Cancer. ○
- 413 Extracellular Vesicles from Mesenchymal Stem Cells: Towards Novel Therapeutic Strategies for Neurodegenerative Diseases. **2023**, 24, 2917 ○
- 412 Protein-Nanoparticle Interactions Govern the Interfacial Behavior of Polymeric Nanogels: Study of Protein Corona Formation at the Air/Water Interface. **2023**, 24, 2810 ○

- 411 Heterogeneity of Extracellular Vesicles and Particles: Molecular Voxels in the Blood Borne
Biogram of Organ Function, Dysfunction and Cancer. **2023**, 71, ○
- 410 The emerging role of extracellular vesicles in the testis. ○
- 409 THE ROLES OF EXTRACELLULAR VESICLES IN SEPSIS AND SYSTEMIC INFLAMMATORY RESPONSE
SYNDROME. **2023**, 59, 161-172 ○
- 408 Analysis of Extracellular Vesicle and Contaminant Markers in Blood Derivatives Using Multiple
Reaction Monitoring. **2023**, 301-320 ○
- 407 Transfer of Galectin-3-Binding Protein via Epididymal Extracellular Vesicles Promotes Sperm
Fertilizing Ability and Developmental Potential in the Domestic Cat Model. **2023**, 24, 3077 ○
- 406 The Fuzzy Border between the Functional and Dysfunctional Effects of Beta-Amyloid: A
Synaptocentric View of Neuronal Entanglement. **2023**, 11, 484 ○
- 405 Extracellular vesicles and nanoparticles: emerging complexities. **2023**, ○
- 404 Neural stem/progenitor cell-derived extracellular vesicles: A novel therapy for neurological
diseases and beyond. **2023**, 4, ○
- 403 Modulation of the Circulating Extracellular Vesicles in Response to Different Exercise Regimens
and Study of Their Inflammatory Effects. **2023**, 24, 3039 1
- 402 Stem cell-derived small extracellular vesicles containing miR-27b-3p attenuated osteoarthritis
through inhibition of leukaemia inhibitory factor. **2023**, ○
- 401 Plasma Exosome Gene Signature Differentiates Colon Cancer from Healthy Controls. ○
- 400 Global scientific trends on matrix metalloproteinase and osteosarcoma: A bibliometric and
visualized analysis. 13, ○
- 399 Stiff matrix induces exosome secretion to promote tumour growth. **2023**, 25, 415-424 ○
- 398 Exosomes derived from hypoxia-preconditioned mesenchymal stem cells (hypoMSCs-Exo):
advantages in disease treatment. ○
- 397 Clinical-Scale Mesenchymal Stem Cell-Derived Extracellular Vesicle Therapy for Wound Healing.
2023, 24, 4273 ○
- 396 HucMSC-EVs Facilitate In Vitro Development of Maternally Aged Preantral Follicles and Oocytes. ○
- 395 Seminal Extracellular Vesicles and Their Involvement in Male (In)Fertility: A Systematic Review.
2023, 24, 4818 ○
- 394 Cellular communication through extracellular vesicles and lipid droplets. **2023**, 2, ○

- 393 Multiplexed analysis of EV reveals specific biomarker composition with diagnostic impact. **2023**, 14, ○
- 392 Peripheral Biomarkers in Manifest and Premanifest Huntington's Disease. **2023**, 24, 6051 ○
- 391 Emerging Roles of Neuronal Extracellular Vesicles at the Synapse. 107385842311605 ○
- 390 NKG2A and circulating extracellular vesicles are key regulators of natural killer cell activity in prostate cancer after prostatectomy. ○
- 389 Extracellular vesicles: A dive into their role in the tumor microenvironment and cancer progression. 11, ○
- 388 Extracellular vesicle small noncoding RNAs: a window into pathogenesis and diagnosis. **2023**, 37, 849-850 ○
- 387 Isolation and In Vitro Stability Studies of Edible Plant-Seed Derived (Raphani Semen) Nanoparticles. **2023**, 10, 218 ○
- 386 Tumor-targeted exosomes for delivery of anticancer drugs. **2023**, 558, 216093 ○
- 385 A non-invasive strategy for suppressing asthmatic airway inflammation and remodeling: Inhalation of nebulized hypoxic hUCMSC-derived extracellular vesicles. 14, ○
- 384 Engineered EVs designed to target diseases of the CNS. **2023**, 356, 493-506 ○
- 383 Human adipose tissue-derived small extracellular vesicles promote soft tissue repair through modulating M1-to-M2 polarization of macrophages. **2023**, 14, ○
- 382 The RNA cargo in small extracellular vesicles from chicken eggs is bioactive in C57BL/6 J mice and human peripheral blood mononuclear cells ex vivo. 10, ○
- 381 Homogenous subpopulation of human mesenchymal stem cells and their extracellular vesicles restore function of endometrium in an experimental rat model of Asherman syndrome. **2023**, 14, ○
- 380 Therapeutic potential of stem cell extracellular vesicles for ischemic stroke in preclinical rodent models: a meta-analysis. **2023**, 14, ○
- 379 Challenges and strategies: Scalable and efficient production of mesenchymal stem cells-derived exosomes for cell-free therapy. **2023**, 319, 121524 ○
- 378 Stem cell-derived exosome versus stem cell therapy. ○
- 377 Extracellular Vesicles of Pseudomonas: Friends and Foes. **2023**, 12, 703 ○
- 376 Small Extracellular Vesicles/miRNAs: Biomarkers and Therapeutics for Neurodegenerative Diseases. **2023**, 15, 1216 ○

- 375 Comparative study of size exclusion chromatography for isolation of small extracellular vesicle from cell-conditioned media, plasma, urine, and saliva. 5, ○
- 374 Unique proteomic signature of JCPyV-infected human astrocytes: from cells to extracellular vesicles. ○
- 373 C1q is increased in cerebrospinal fluid-derived extracellular vesicles in Alzheimer's disease: A multi-cohort proteomics and immuno-assay validation study. ○
- 372 L1CAM immunocapture generates a unique extracellular vesicle population with a reproducible miRNA fingerprint. **2023**, 20, 140-148 ○
- 371 Liquid biopsy in pancreatic cancer [Current perspective and future outlook. **2023**, 1878, 188868 ○
- 370 The role of tumor-derived extracellular vesicles containing noncoding RNAs in mediating immune cell function and its implications from bench to bedside. **2023**, 191, 106756 ○
- 369 On the other end of the line: Extracellular vesicle-mediated communication in glaucoma. 17, ○
- 368 Nanoengineering of extracellular vesicles for drug delivery systems: Current advances and future directions. **2023**, 11, 100130 ○
- 367 Exosomes from adipose-derived mesenchymal stem cells can attenuate liver injury caused by minimally invasive hemihepatectomy combined with ischemia-reperfusion in minipigs by modulating the endoplasmic reticulum stress response. **2023**, 321, 121618 ○
- 366 Extracellular vesicles as next generation immunotherapeutics. **2023**, 90, 73-100 ○
- 365 Technological aspects of manufacturing and analytical control of biological nanoparticles. **2023**, 64, 108122 ○
- 364 Oral squamous cell carcinoma-derived EVs promote tumor progression by regulating inflammatory cytokines and the IL-17A-induced signaling pathway. **2023**, 118, 110094 ○
- 363 An in vitro lipid-mixing assay to investigate the fusion between small extracellular vesicles and endosome. **2023**, 669, 115130 ○
- 362 Intranasal delivery of BDNF-loaded small extracellular vesicles for cerebral ischemia therapy. **2023**, 357, 1-19 ○
- 361 Milk/colostrum exosomes: A nanoplatform advancing delivery of cancer therapeutics. **2023**, 561, 216141 ○
- 360 Endothelial-derived extracellular vesicles from obese/hypertensive adults increase factors associated with hypertrophy and fibrosis in cardiomyocytes. **2023**, 324, H675-H685 ○
- 359 Nanopore membrane chip-based isolation method for metabolomic analysis of plasma small extracellular vesicles from COVID-19 survivors. **2023**, 227, 115152 ○
- 358 Tissue-derived extracellular vesicles: Isolation, purification, and multiple roles in normal and tumor tissues. **2023**, 321, 121624 ○

- 357 Human umbilical cord blood-mesenchymal stem cell derived exosomes as an efficient nanocarrier for Docetaxel and miR-125a: Formulation optimization and anti-metastatic behaviour. **2023**, 322, 121621 ○
- 356 Extracellular vesicles as reconfigurable therapeutics for eye diseases: Promises and hurdles. **2023**, 225, 102437 ○
- 355 OxLDL sensitizes platelets for increased formation of extracellular vesicles capable of finetuning macrophage gene expression. **2023**, 102, 151311 ○
- 354 Extracellular vesicles in the context of chagas disease - A systematic review. **2023**, 242, 106899 ○
- 353 Integrated metabolomics and phosphoproteomics reveal the protective role of exosomes from human umbilical cord mesenchymal stem cells in naturally aging mouse livers. **2023**, 427, 113566 ○
- 352 Small extracellular vesicles from senescent stem cells trigger adaptive mechanisms in young stem cells by increasing antioxidant enzyme expression. **2023**, 62, 102668 ○
- 351 Functionalisation of extracellular vesicles with cyclic-RGDyC potentially for glioblastoma targeted intracellular drug delivery. **2023**, 149, 213388 ○
- 350 Secretive derived from hypoxia preconditioned mesenchymal stem cells promote cartilage regeneration and mitigate joint inflammation via extracellular vesicles. **2023**, 27, 98-112 ○
- 349 Exosomes from young healthy human plasma promote functional recovery from intracerebral hemorrhage via counteracting ferroptotic injury. **2023**, 27, 1-14 ○
- 348 Rapid and efficient fluorescent aptasensor for PD-L1 positive extracellular vesicles isolation and analysis: EV-ANCHOR. **2023**, 142811 ○
- 347 Characterization of extracellular vesicle and virus-like particles by single vesicle tetraspanin analysis. **2023**, 382, 133547 ○
- 346 Therapeutic application of mesenchymal stem cells derived exosomes in neurodegenerative diseases: A focus on non-coding RNAs cargo, drug delivery potential, perspective. **2023**, 320, 121566 ○
- 345 Extracellular vesicles for precision medicine in prostate cancer ||s it ready for clinical translation?. **2023**, 89, 18-29 ○
- 344 The Roles of Exosomes in the Diagnose, Development and Therapeutic Resistance of Oral Squamous Cell Carcinoma. **2023**, 24, 1968 1
- 343 Extracellular vesicle-based therapeutics: Extracellular vesicles as therapeutic targets and agents. **2023**, 242, 108352 2
- 342 Cocaine perturbs mitovesicle biology in the brain. **2023**, 12, ○
- 341 Extracellular vesicles as a liquid biopsy for melanoma: Are we there yet?. **2023**, 89, 92-98 ○
- 340 MSC-EVs alleviate osteoarthritis by regulating microenvironmental cells in the articular cavity and maintaining cartilage matrix homeostasis. **2023**, 85, 101864 ○

- 339 Phenotypic and functional characterization of aqueous humor derived extracellular vesicles. **2023**, 228, 109393 ○
- 338 Drug delivery as a sustainable avenue to future therapies. **2023**, 354, 746-754 ○
- 337 Initial and ongoing tobacco smoking elicits vascular damage and distinct inflammatory response linked to neurodegeneration. **2023**, 28, 100597 ○
- 336 Characterization and microRNA Expression Analysis of Serum-Derived Extracellular Vesicles in Severe Liver Injury from Chronic HBV Infection. **2023**, 13, 347 ○
- 335 Characterization of large extracellular vesicles (L-EV) derived from human regulatory macrophages (Mreg): novel mediators in wound healing and angiogenesis?. **2023**, 21, ○
- 334 Soluble and EV-Associated Diagnostic and Prognostic Biomarkers in Knee Osteoarthritis Pathology and Detection. **2023**, 13, 342 1
- 333 Protein and Lipid Content of Milk Extracellular Vesicles: A Comparative Overview. **2023**, 13, 401 ○
- 332 Biomimetic synthesis and optimization of extracellular vesicles for bone regeneration. **2023**, 355, 18-41 1
- 331 Fibrinogen on extracellular vesicles derived from polyhexamethylene guanidine phosphate-exposed mice induces inflammatory effects via integrin α 5 β 1. **2023**, 252, 114600 ○
- 330 Extracellular Vesicles as Carriers of Adipokines and Their Role in Obesity. **2023**, 11, 422 ○
- 329 Extracellular vesicle-derived circCEBPZOS attenuates postmyocardial infarction remodeling by promoting angiogenesis via the miR-1178-3p/PDPK1 axis. **2023**, 6, ○
- 328 Circulating exosomal tsRNAs: Potential biomarkers for large artery atherosclerotic stroke superior to plasma tsRNAs. **2023**, 13, ○
- 327 Extracellular vesicle-transmitted miR-671-5p alleviates lung inflammation and injury by regulating the AAK1/NF- κ B axis. **2023**, ○
- 326 Plasma microglial-derived extracellular vesicles are increased in frail patients with Mild Cognitive Impairment and exert a neurotoxic effect. ○
- 325 Circulating exosome-like vesicle and skeletal muscle microRNAs are altered with age and resistance training. ○
- 324 Identification of Suitable Internal Control miRNAs in Bovine Milk Small Extracellular Vesicles for Normalization in Quantitative Real-Time Polymerase Chain Reaction. **2023**, 13, 185 ○
- 323 Isolation of Extracellular Vesicles from Human Follicular Fluid: Size-Exclusion Chromatography versus Ultracentrifugation. **2023**, 13, 278 ○
- 322 microRNAs profiling of small extracellular vesicles from midbrain tissue of Parkinson's disease. 16, ○

- 321 Exosome membrane-coated nanosystems: Exploring biomedical applications in cancer diagnosis and therapy. **2023**, 6, 761-799 ○
- 320 Exosomal LncRNAs in Gastrointestinal Cancer: Biological Functions and Emerging Clinical Applications. **2023**, 15, 959 ○
- 319 Extracellular vesicles from Zika virus-infected cells display viral E protein that binds ZIKV-neutralizing antibodies to prevent infection enhancement. **2023**, 42, ○
- 318 Plasma and urinary extracellular vesicles as a source of RNA biomarkers for prostate cancer in liquid biopsies. 10, ○
- 317 Photoacoustic imaging for characterization of radiofrequency ablated cardiac tissues. **2023**, 38, ○
- 316 Extracellular vesicles and high-density lipoproteins: Exercise and oestrogen-responsive small RNA carriers. **2023**, 12, 12308 ○
- 315 Advances in extracellular vesicle analysis. **2023**, 415, 1235-1238 ○
- 314 Extracellular Vesicles in Aging: An Emerging Hallmark?. **2023**, 12, 527 ○
- 313 Proteome encoded determinants of protein sorting into extracellular vesicles. ○
- 312 Hydroxychloroquine Enhances Cytotoxic Properties of Extracellular Vesicles and Extracellular Vesicle Mimetic Nanovesicles Loaded with Chemotherapeutics. **2023**, 15, 534 ○
- 311 Alterations in microRNA of extracellular vesicles associated with major depression, attention-deficit/hyperactivity and anxiety disorders in adolescents. **2023**, 13, ○
- 310 Extracellular Vesicles in Lung Cancer: Bystanders or Main Characters?. **2023**, 12, 246 1
- 309 Multiparametric Biosensors for Characterizing Extracellular Vesicle Subpopulations. **2023**, 6, 387-398 ○
- 308 Extracellular Vesicles of Probiotics: Shedding Light on the Biological Activity and Future Applications. **2023**, 15, 522 ○
- 307 Bifurcated Asymmetric Field Flow Fractionation of Nanoparticles in PDMS-Free Microfluidic Devices for Applications in Label-Free Extracellular Vesicle Separation. **2023**, 15, 789 ○
- 306 Neuronal extracellular vesicles and associated microRNAs induce circuit connectivity downstream BDNF. **2023**, 42, 112063 ○
- 305 Deciphering the Heterogeneity Landscape of Mesenchymal Stem/Stromal Cell-Derived Extracellular Vesicles for Precise Selection in Translational Medicine. ○
- 304 Manufacture of extracellular vesicles derived from mesenchymal stromal cells. **2023**, ○

- 303 Advancements and Technical Considerations for Extracellular Vesicle Isolation and Biomarker Identification in Glioblastoma. **2023**, Publish Ahead of Print, ○
- 302 Kinetics of Circulating Extracellular Vesicles Over the 24-Hour Dosing Interval After Low-Dose Aspirin Administration in Patients at Cardiovascular Risk. **2023**, 113, 1096-1106 ○
- 301 Hypoxia promotes EV secretion by impairing lysosomal homeostasis in HNSCC through negative regulation of ATP6V1A by HIF-1 β . **2023**, 12, ○
- 300 Potential of Mesenchymal Stromal Cell-Derived Extracellular Vesicles as Natural Nanocarriers: Concise Review. **2023**, 15, 558 ○
- 299 Colocalization of Cancer Associated Biomarkers on Single Extracellular Vesicles for Early Cancer Detection. ○
- 298 Kidney tubular epithelial cells control interstitial fibroblast fate by releasing TNFAIP8-encapsulated exosomes. ○
- 297 Extracellular Vesicles in Cancer Drug Resistance: Implications on Melanoma Therapy. **2023**, 15, 1074 ○
- 296 CAR-T-Derived Extracellular Vesicles: A Promising Development of CAR-T Anti-Tumor Therapy. **2023**, 15, 1052 ○
- 295 Biodistribution of Intratracheal, Intranasal, and Intravenous Injections of Human Mesenchymal Stromal Cell-Derived Extracellular Vesicles in a Mouse Model for Drug Delivery Studies. **2023**, 15, 548 ○
- 294 THE CONCEPTUAL APPROACH TO THE USE OF POSTBIOTICS BASED ON BACTERIAL MEMBRANE NANOVESICLES FOR PROPHYLAXIS OF ASTRONAUTS' HEALTH DISORDERS. **2022**, 28, 34-51 ○
- 293 Adipocyte-derived extracellular vesicles increase insulin secretion through transport of insulinotropic protein cargo. **2023**, 14, ○
- 292 Autologous Platelet and Extracellular Vesicle-Rich Plasma as Therapeutic Fluid: A Review. **2023**, 24, 3420 1
- 291 Recent Advances in Biomaterials-Based Therapies for Alleviation and Regeneration of Traumatic Brain Injury. 2200577 ○
- 290 Expression of Epithelial and Mesenchymal Markers in Plasmatic Extracellular Vesicles as a Diagnostic Tool for Neoplastic Processes. **2023**, 24, 3578 ○
- 289 Current developments and therapeutic potentials of exosomes from induced pluripotent stem cells-derived mesenchymal stem cells. **2023**, 86, 356-365 ○
- 288 Exosome-Based Carrier for RNA Delivery: Progress and Challenges. **2023**, 15, 598 1
- 287 The role of extracellular vesicles in intercellular communication in human reproduction. **2023**, 137, 281-301 ○
- 286 Context-specific regulation of extracellular vesicle biogenesis and cargo selection. 1

- 285 Extracellular Vesicles Released from Cancer Cells Promote Tumorigenesis by Inducing Epithelial to Mesenchymal Transition via β -Catenin Signaling. **2023**, 24, 3500 ○
- 284 A compendium of single extracellular vesicle flow cytometry. **2023**, 12, ○
- 283 Circulating Extracellular Vesicles in Human Cardiorenal Syndrome Promote Renal Injury. ○
- 282 Early Cancer Biomarker Discovery Using DIA-MS Proteomic Analysis of EVs from Peripheral Blood. **2023**, 127-152 ○
- 281 Size-Exclusion Chromatography Combined with Ultrafiltration Efficiently Isolates Extracellular Vesicles from Human Blood Samples in Health and Disease. **2023**, 24, 3663 ○
- 280 Protocol for Plasma Extracellular Vesicle and Particle Isolation and Mass Spectrometry-Based Proteomic Identification. **2023**, 291-300 ○
- 279 Therapeutic Implications of the Drug Resistance Conferred by Extracellular Vesicles Derived from Triple-Negative Breast Cancer Cells. **2023**, 24, 3704 ○
- 278 Current challenges and future directions for engineering extracellular vesicles for heart, lung, blood and sleep diseases. **2023**, 12, 12305 ○
- 277 Longitudinal characterization of circulating extracellular vesicles and small RNA during simian immunodeficiency virus infection and antiretroviral therapy. **2023**, 37, 733-744 ○
- 276 A novel isolation method for spontaneously released extracellular vesicles from brain tissue and its implications for stress-driven brain pathology. **2023**, 21, 1
- 275 Blood-Based Biomarkers for Eosinophilic Esophagitis and Concomitant Atopic Diseases: A Look into the Potential of Extracellular Vesicles. **2023**, 24, 3669 ○
- 274 An in vitro approach to understand contribution of kidney cells to human urinary extracellular vesicles. **2023**, 12, 12304 ○
- 273 Detection of Breast Cancer-Specific Extracellular Vesicles with Fiber-Optic SPR Biosensor. **2023**, 24, 3764 1
- 272 Cell-Free Therapies: The Use of Cell Extracts to Mitigate Irradiation-Injured Salivary Glands. **2023**, 12, 305 1
- 271 Induced pluripotent stem cell-derived extracellular vesicles overexpressing SFPQ protect retinal Müller cells against hypoxia-induced injury. ○
- 270 Producing vesicle-free cell culture additive for human cells extracellular vesicles manufacturing. **2023**, 355, 501-514 ○
- 269 Cognitive impairments correlate with increased central nervous system immune activation after allogeneic haematopoietic stem cell transplantation. **2023**, 37, 888-900 ○
- 268 Pathways for Cardioprotection in Perspective: Focus on Remote Conditioning and Extracellular Vesicles. **2023**, 12, 308 ○

- 267 DYT-TOR1A genotype alters extracellular vesicle composition in murine cell model and shows potential for biomarker discovery. 2, ○
- 266 Downregulation of a tumor suppressor gene LKB1 in lung transplantation as a biomarker for chronic murine lung allograft rejection. **2023**, 386, 104690 ○
- 265 The multiple combination of Paclitaxel, Ramucirumab and Elacridar reverses the paclitaxel-mediated resistance in gastric cancer cell lines. 13, ○
- 264 Exosomes as a Source of Biomarkers for Gastrointestinal Cancers. **2023**, 15, 1263 ○
- 263 Therapeutic potential of extracellular vesicles in neurodegenerative disorders. **2023**, 243-266 ○
- 262 The promise and challenges of extracellular vesicles in the diagnosis of neurodegenerative diseases. **2023**, 227-241 ○
- 261 Recent advances of small extracellular vesicle biomarkers in breast cancer diagnosis and prognosis. **2023**, 22, ○
- 260 Agricultural dust derived bacterial extracellular vesicle mediated inflammation is attenuated by DHA. **2023**, 13, ○
- 259 Differentiation state and culture conditions impact neural stem/progenitor cell-derived extracellular vesicle bioactivity. ○
- 258 Natural Killer Cell-Derived Extracellular Vesicles as a Promising Immunotherapeutic Strategy for Cancer: A Systematic Review. **2023**, 24, 4026 ○
- 257 Targeting tumor exosomal circular RNA cSERPINE2 suppresses breast cancer progression by modulating MALT1-NF- κ B-IL-6 axis of tumor-associated macrophages. **2023**, 42, ○
- 256 Combination of Biomaterials and Extracellular Vesicles from Mesenchymal Stem-Cells: New Therapeutic Strategies for Skin-Wound Healing. **2023**, 13, 2702 ○
- 255 Impact of extracellular vesicles on the pathogenesis, diagnosis, and potential therapy in cardiopulmonary disease. 14, ○
- 254 Drug Delivery Systems in Regenerative Medicine: An Updated Review. **2023**, 15, 695 ○
- 253 Exploiting the biogenesis of extracellular vesicles for bioengineering and therapeutic cargo loading. **2023**, ○
- 252 Extracellular Vesicles in Liquid Biopsies as Biomarkers for Solid Tumors. **2023**, 15, 1307 ○
- 251 Injectable hydrogels for sustained delivery of extracellular vesicles in cartilage regeneration. **2023**, 355, 685-708 ○
- 250 Extracellular Vesicle-Based Hydrogels for Wound Healing Applications. **2023**, 24, 4104 1

- 249 The potential role of serum extracellular vesicle derived small RNAs in AML research as non-invasive biomarker. **2023**, 5, 1691-1705 ○
- 248 Extracellular vesicles from human Fallopian tubal fluid benefit embryo development in vitro. **2023**, 2023, ○
- 247 Extracellular Vesicles as Very Important Particles (VIPs) in Aging. **2023**, 24, 4250 ○
- 246 A novel purity analysis method of bovine milk-derived exosomes by two-dimensional high-performance liquid chromatography. ○
- 245 Associations of maternal and placental extracellular vesicle miRNA with preeclampsia. 11, ○
- 244 Oral Administration as a Potential Alternative for the Delivery of Small Extracellular Vesicles. **2023**, 15, 716 ○
- 243 Extracellular vesicles as potential biomarkers and treatment options for liver failure: A systematic review up to March 2022. 14, ○
- 242 Comparison of interferometric light microscopy with nanoparticle tracking analysis for the study of extracellular vesicles and bacteriophages. **2023**, 2, ○
- 241 Reduced Mortality among COVID-19 ICU Patients after Treatment with HemoClear Convalescent Plasma in Suriname. ○
- 240 Plasma extracellular vesicle transcriptome as a dynamic liquid biopsy in acute heart failure. ○
- 239 Extracellular vesicle signatures and protein citrullination are modified in shore crabs (*Carcinus maenas*) infected with *Hematodinium* sp. **2023**, 14, ○
- 238 Senescence-associated exosomes transfer miRNA-induced fibrosis to neighboring cells. ○
- 237 Exploring RAB11A Pathway to Hinder Chronic Myeloid Leukemia-Induced Angiogenesis In Vivo. **2023**, 15, 742 ○
- 236 Small extracellular vesicles have distinct CD81 and CD9 tetraspanin expression profiles in plasma from rheumatoid arthritis patients. ○
- 235 Transfer of miR-4755-5p through extracellular vesicles and particles induces decitabine resistance in recipient cells by targeting CDKN2B. ○
- 234 Luminescence-based screening for extracellular vesicle release modulators reveals a role for PI4KIIIβ in exosome biogenesis upon lysosome inhibition. ○
- 233 Liquid Biopsies in Lung Cancer. **2023**, 15, 1430 ○
- 232 Exosomal microRNAs from PBMCs stimulated with culprit drugs enhanced keratinocyte cell death in Stevens-Johnson syndrome/toxic epidermal necrolysis. ○

- 231 *Saccharomyces cerevisiae* responds similarly to co-culture or to a fraction enriched in *Metschnikowia pulcherrima* extracellular vesicles. ○
- 230 Use of cfDNA and exovesicle-DNA for the molecular diagnosis of chronic Chagas disease. ○
- 229 Human gingival mesenchymal stem cell-derived exosomes cross-regulate the Wnt/ β -catenin and NF- κ B signalling pathways in the periodontal inflammation microenvironment. ○
- 228 Bioengineered MSC-derived exosomes in skin wound repair and regeneration. 11, ○
- 227 miR-210 Expression Is Strongly Hypoxia-Induced in Anaplastic Thyroid Cancer Cell Lines and Is Associated with Extracellular Vesicles and Argonaute-2. **2023**, 24, 4507 ○
- 226 Platelets, Protean Cells with All-Around Functions and Multifaceted Pharmacological Applications. **2023**, 24, 4565 ○
- 225 Extracellular Vesicles Derived from Auricular Chondrocytes Facilitate Cartilage Differentiation of Adipose-Derived Mesenchymal Stem Cells. ○
- 224 Biological nano agent produced by hypoxic preconditioning stem cell for stroke treatment. ○
- 223 Systematic Identification and Comparison of the Expressed Profiles of Exosomal MiRNAs in Pigs Infected with NADC30-like PRRSV Strain. **2023**, 13, 876 ○
- 222 Extracellular Vesicles (EVs) as Crucial Mediators of Cell-Cell Interaction in Asthma. **2023**, 24, 4645 ○
- 221 Comparative study of extracellular vesicles derived from mesenchymal stem cells and brain endothelial cells attenuating blood-brain barrier permeability via regulating Caveolin-1-dependent ZO-1 and Claudin-5 endocytosis in acute ischemic stroke. **2023**, 21, ○
- 220 Extracellular Vesicles, Cell-Penetrating Peptides and miRNAs as Future Novel Therapeutic Interventions for Parkinson's and Alzheimer's Disease. **2023**, 11, 728 ○
- 219 TNF- α Enhances the Therapeutic Effects of MenSC-Derived Small Extracellular Vesicles on Inflammatory Bowel Disease through Macrophage Polarization by miR-24-3p. **2023**, 2023, 1-28 ○
- 218 Adenosine promoted angiogenesis mediated by the release of small extracellular vesicles from human endothelial progenitor cells. **2023**, 148, 104498 ○
- 217 Bone mesenchymal stromal cell-derived small extracellular vesicles inhibit inflammation and ameliorate sepsis via delivery of microRNA-21a-5p. **2023**, ○
- 216 Regenerative potential of different extracellular vesicle subpopulations derived from clonal mesenchymal stem cells in a mouse model of chemotherapy-induced premature ovarian failure. **2023**, 321, 121536 ○
- 215 Hypoxic Preconditioned Neural Stem Cell-Derived Extracellular Vesicles Contain Distinct Protein Cargo from Their Normal Counterparts. **2023**, 45, 1982-1997 ○
- 214 Single vesicle analysis reveals the release of tetraspanin positive extracellular vesicles into circulation with high intensity intermittent exercise. ○

- 213 Role of MSC-derived small extracellular vesicles in tissue repair and regeneration. 10, 2
- 212 Endothelial Protein kinase D1 is a major regulator of post-traumatic hyperinflammation. 14, 0
- 211 LILRB2-containing small extracellular vesicles from glioblastoma promote tumor progression by promoting the formation and expansion of myeloid-derived suppressor cells. 0
- 210 Emerging role of exosomes in vascular diseases. 10, 0
- 209 Real-Time PCR Quantification of 87 miRNAs from Cerebrospinal Fluid: miRNA Dynamics and Association with Extracellular Vesicles after Severe Traumatic Brain Injury. **2023**, 24, 4751 0
- 208 Extracellular vesicles derived from mesenchymal stem cells as novel therapeutic tool in infectious diseases. **2023**, 43, 0
- 207 Role of Extracellular Vesicles Produced by Stem Cells in Tissue Repair. **2023**, 24, 4798 0
- 206 Heat inactivation of foetal bovine serum causes protein contamination of extracellular vesicles. 0
- 205 Concise review: Current understanding of extracellular vesicles to treat neuropathic pain. 15, 0
- 204 Extracellular vesicles: From bone development to regenerative orthopedics. **2023**, 0
- 203 Extracellular Vesicles in the Arbuscular Mycorrhizal Symbiosis: Current Understanding and Future Perspectives. **2023**, 36, 235-244 0
- 202 Molecular Pathways Implicated in Radioresistance of Glioblastoma Multiforme: What Is the Role of Extracellular Vesicles?. **2023**, 24, 4883 0
- 201 Potential involvement of circulating extracellular vesicles and particles on exercise effects in malignancies. 14, 0
- 200 Sympathetic neurons secrete retrogradely transported TrkA on extracellular vesicles. **2023**, 13, 0
- 199 The Proteome of Circulating Large Extracellular Vesicles in Diabetes and Hypertension. **2023**, 24, 4930 0
- 198 Challenges and Opportunities for Extracellular Vesicles in Clinical Oncology Therapy. **2023**, 10, 325 0
- 197 The biological applications of exosomal-based materials in bone/cartilage tissue engineering. 10, 0
- 196 Application of Collagen-Based Hydrogel in Skin Wound Healing. **2023**, 9, 185 0

- 195 Accessory ESCRT-III proteins are conserved and selective regulators of Rab11a-exosome formation. **2023**, 12, ○
- 194 Plant-derived nanovesicles: further exploration of biomedical function and application potential. **2023**, ○
- 193 Integrating extracellular vesicle and circulating cell-free DNA analysis on a single plasma aliquot from breast cancer patients improves the detection of HER2 positivity. ○
- 192 Effects of glioblastoma-derived extracellular vesicles on the functions of immune cells. 11, ○
- 191 Exploiting the Opportunity to Use Plant-Derived Nanoparticles as Delivery Vehicles. **2023**, 12, 1207 ○
- 190 Ceramide-dependent trafficking of Epstein-Barr virus LMP1 to small extracellular vesicles. **2023**, 581, 128-138 ○
- 189 Extracellular vesicles and their cells of origin: Open issues in autoimmune diseases. 14, ○
- 188 Extracellular Vesicles: The Future of Diagnosis in Solid Organ Transplantation?. **2023**, 24, 5102 ○
- 187 Quantitative Proteomics for the Identification of Differentially Expressed Proteins in the Extracellular Vesicles of Cervical Cancer Cells. **2023**, 15, 702 ○
- 186 Amniotic Mesenchymal-Derived Extracellular Vesicles and Their Role in the Prevention of Persistent Post-Breeding Induced Endometritis. **2023**, 24, 5166 ○
- 185 A survey to evaluate parameters governing the selection and application of extracellular vesicle isolation methods. **2023**, 14, 204173142311551 ○
- 184 Intercellular hif1 β reprograms mammary progenitors and myeloid immune evasion to drive high-risk breast lesions. **2023**, 133, ○
- 183 The roles of extracellular vesicles in major depressive disorder. 14, ○
- 182 Saliva and Saliva Extracellular Vesicles for Biomarker Candidate Identification Assay Development and Pilot Study in Amyotrophic Lateral Sclerosis. **2023**, 24, 5237 ○
- 181 Release of exosomes in polytraumatized patients: The injury pattern is reflected by the surface epitopes. 14, ○
- 180 Removal and identification of external protein corona members from RBC-derived extracellular vesicles by surface manipulating antimicrobial peptides. **2023**, 2, ○
- 179 Application of small extracellular vesicles in the diagnosis and prognosis of nasopharyngeal carcinoma. 11, ○
- 178 Advances in Drug Delivery Systems Based on Red Blood Cells and Their Membrane-Derived Nanoparticles. **2023**, 17, 5187-5210 ○

- 177 Extracellular vesicle distribution and localization in skeletal muscle at rest and following disuse atrophy. **2023**, 13, ○
- 176 Exosomal cargos-mediated metabolic reprogramming in tumor microenvironment. **2023**, 42, ○
- 175 Extracellular Vesicles as Drug Delivery Systems in Organ Transplantation: The Next Frontier. **2023**, 15, 891 ○
- 174 miRNAs derived from milk small extracellular vesicles inhibit porcine epidemic diarrhea virus infection. **2023**, 212, 105579 ○
- 173 Emerging role of extracellular vesicles in multiple sclerosis: From cellular surrogates to pathogenic mediators and beyond. **2023**, 377, 578064 ○
- 172 Harnessing the therapeutic potential of the stem cell secretome in neonatal diseases. **2023**, 151730 ○
- 171 Comparison of different methods for isolating CD8 + T lymphocyte-derived extracellular vesicles and supramolecular attack particles. **2023**, 2, ○
- 170 Comprehensive isolation of extracellular vesicles and nanoparticles. ○
- 169 Circulating Extracellular Vesicles microRNAs Are Altered in Women Undergoing Preterm Birth. **2023**, 24, 5527 ○
- 168 Editorial: Inter-organ crosstalk during exercise in health and disease: Extracellular vesicles as new kids on the block. 14, ○
- 167 Phosphatidylserine-Exposing Annexin A1-Positive Extracellular Vesicles: Potential Cancer Biomarkers. **2023**, 11, 639 1
- 166 Characterization and Proteomic Analysis of Plasma EVs Recovered from Healthy and Diseased Dogs with Canine Leishmaniosis. **2023**, 24, 5490 ○
- 165 The quick reference card Storage of urinary EVs A practical guideline tool for research and clinical laboratories. **2023**, 12, ○
- 164 Placental Extracellular Vesicles Can Be Loaded with Plasmid DNA. **2023**, 20, 1898-1913 ○
- 163 Clinically Expired Platelet Concentrates as a Source of Extracellular Vesicles for Targeted Anti-Cancer Drug Delivery. **2023**, 15, 953 ○
- 162 Estrogen receptor alpha deficiency in cardiomyocytes reprograms the heart-derived extracellular vesicle proteome and induces obesity in female mice. **2023**, 2, 268-289 ○
- 161 The biodistribution of placental and fetal extracellular vesicles during pregnancy following placentation. **2023**, 137, 385-399 ○
- 160 Interaction network of extracellular vesicles building universal analysis via eye tears: iNEBULA. **2023**, 9, ○

- 159 Proteomic characterization of extracellular vesicles released by third stage larvae of the zoonotic parasite *Anisakis pegreffii* (Nematoda: Anisakidae). 13, ○
- 158 Extracellular vesicle-localized miR-203 mediates neural crest-placode communication required for trigeminal ganglia formation. ○
- 157 Plasma extracellular vesicle phenotyping for the differentiation of early-stage lung cancer and benign lung diseases. ○
- 156 Placenta-Derived Extracellular Vesicles in Pregnancy Complications and Prospects on a Liquid Biopsy for Hemoglobin Bart's Disease. **2023**, 24, 5658 ○
- 155 Advances of multi-omics applications in hepatic precancerous lesions and hepatocellular carcinoma: The role of extracellular vesicles. 10, ○
- 154 Characterization of the extracellular vesicles, ultrastructural morphology, and intercellular interactions of multiple clinical isolates of the brain-eating amoeba, *Naegleria fowleri*. ○
- 153 PBMC-derived extracellular vesicles in a smoking-related inflammatory disease model. ○
- 152 Atorvastatin-pretreated mesenchymal stem cell-derived extracellular vesicles promote cardiac repair after myocardial infarction via shifting macrophage polarization by targeting microRNA-139-3p/Stat1 pathway. **2023**, 21, 1 ○
- 151 Monoclonal antibody-based localization of major diagnostic antigens in metacestode tissue, excretory/secretory products, and extracellular vesicles of *Echinococcus* species. 13, ○
- 150 Mesenchymal Stem Cell Culture within Perfusion Bioreactors Incorporating 3D-Printed Scaffolds Enables Improved Extracellular Vesicle Yield with Preserved Bioactivity. ○
- 149 No-stain protein labeling as a potential normalization marker for small extracellular vesicle proteins. 1-11 ○
- 148 Extracellular vesicle-matrix interactions. ○
- 147 Exosomes, microvesicles, and other extracellular vesicles—Keystone Symposia report. ○
- 146 Vitamin D receptor (VDR) mediates the quiescence of activated hepatic stellate cells (aHSCs) by regulating M2 macrophage exosomal smooth muscle cell-associated protein 5 (SMAP-5). **2023**, 24, 248-261 ○
- 145 Choroid Plexus Modulates Subventricular Zone Adult Neurogenesis and Olfaction Through Secretion of Small Extracellular Vesicles. ○
- 144 Exosomes in COVID-19 infection: Focus on role in diagnosis, pathogenesis, immunity, and clinical trials. ○
- 143 Effects of Large Extracellular Vesicles from Kidney Cancer Patients on the Growth and Environment of Renal Cell Carcinoma Xenografts in a Mouse Model. **2023**, 45, 2491-2504 ○
- 142 Cell-Derived Vesicles for Antibiotic Delivery—Understanding the Challenges of a Biogenic Carrier System. 2207479 ○

- 141 Extracellular Vesicles Produced by the Cardiac Microenvironment Carry Functional Enzymes to Produce Lipid Mediators In Situ. **2023**, 24, 5866 ○
- 140 Requirements for human pluripotent stem cell derived small extracellular vesicles. ○
- 139 The Applications and Potentials of Extracellular Vesicles from Different Cell Sources in Periodontal Regeneration. **2023**, 24, 5790 ○
- 138 Extracellular Vesicles of COVID-19 Patients Reflect Inflammation, Thrombogenicity, and Disease Severity. **2023**, 24, 5918 ○
- 137 Novel endogenous engineering platform for robust loading and delivery of functional mRNA by extracellular vesicles. ○
- 136 Mitochondrial Metabolism and EV Cargo of Endothelial Cells Is Affected in Presence of EVs Derived from MSCs on Which HIF Is Activated. **2023**, 24, 6002 ○
- 135 STAM transports STING oligomers into extracellular vesicles, down-regulating the innate immune response. **2023**, 12, ○
- 134 Extracellular vesicles rejuvenate the microenvironmental modulating function of recipient tissue-specific mesenchymal stem cells in osteopenia treatment. 14, ○
- 133 The Delivery and Activation of Growth Factors Using Nanomaterials for Bone Repair. **2023**, 15, 1017 ○
- 132 Therapeutic potential of small extracellular vesicles derived from mesenchymal stem cells for spinal cord and nerve injury. 11, ○
- 131 Heat shock protein A2 is a novel extracellular vesicle-associated protein. **2023**, 13, ○
- 130 Preparation of therapy-grade extracellular vesicles from adipose tissue to promote diabetic wound healing. 11, ○
- 129 Identification of YWHAH as a Novel Brain-Derived Extracellular Vesicle Marker Post Long-Term Midazolam Exposure during Early Development. **2023**, 12, 966 ○
- 128 Immunomodulatory effects of targeted radionuclide therapy. **2023**, ○
- 127 Manifold Learning Enables Interpretable Analysis of Raman Spectra from Extracellular Vesicle and Other Mixtures. ○
- 126 Single test-based diagnosis of multiple cancer types using Exosome-SERS-AI for early stage cancers. **2023**, 14, ○
- 125 Liquid Biopsy in Endometriosis: A Systematic Review. **2023**, 24, 6116 ○
- 124 Surface proteome of plasma extracellular vesicles as mechanistic and clinical biomarkers for malaria. ○

- 123 Melanoma Cells Produce Large Vesicular-Bodies That Cause Rapid Disruption of Brain Endothelial Barrier-Integrity and Disassembly of Junctional Proteins. **2023**, 24, 6082 ○
- 122 Preliminary study using a small plasma extracellular vesicle miRNA panel as a potential biomarker for early diagnosis and prognosis in laryngeal cancer. ○
- 121 Guest Editorial: what can be done to improve cancer immunotherapies?. **2023**, 117, 631-633 ○
- 120 CRISPR-Cas9 editing of TLR4 to improve the outcome of cardiac cell therapy. **2023**, 13, ○
- 119 Clinical Application of Small Extracellular Vesicles in Gynecologic Malignancy Treatments. **2023**, 15, 1984 ○
- 118 MicroRNAs of extracellular vesicles derived from mesenchymal stromal cells alleviate inflammation in dry eye disease by targeting the IRAK1/TAB2/NF- κ B pathway. **2023**, 28, 131-140 ○
- 117 How to maximize the therapeutic effect of exosomes on skin wounds in diabetes mellitus: Review and discussion. 14, ○
- 116 Exosomes in Cardiovascular Disease: From Mechanism to Therapeutic Target. **2023**, 13, 479 ○
- 115 IGF2BP1 regulates the cargo of extracellular vesicles and promotes neuroblastoma metastasis. ○
- 114 Visualization of cardiac uptake of bone marrow mesenchymal stem cell-derived extracellular vesicles after intramyocardial or intravenous injection in murine myocardial infarction. **2023**, 11, ○
- 113 From Exosome Biogenesis to Absorption: Key Takeaways for Cancer Research. **2023**, 15, 1992 ○
- 112 The glycoprotein CD147 defines miRNA-enriched extracellular vesicles that derive from cancer cells. **2023**, 12, 1
- 111 Salivary Exosomes in Health and Disease: Future Prospects in the Eye. **2023**, 24, 6363 ○
- 110 Mass spectrometry-based proteomics approaches to interrogate skeletal muscle adaptations to exercise. ○
- 109 Roles and mechanisms of exosomal microRNAs in viral infections. **2023**, 168, ○
- 108 Bacterial vesicles block viral replication in macrophages via TLR4-TRIF-axis. **2023**, 21, ○
- 107 Isolation of extracellular vesicles from human plasma samples: The importance of controls. ○
- 106 Clinical application of pancreatic juice-derived small extracellular vesicles of pancreatic ductal adenocarcinoma. **2023**, 3, ○

- 105 Robust Acute Pancreatitis Identification and Diagnosis: RAPIDx. ○
- 104 Procoagulant Properties of Extracellular Vesicles in Normal and Pathological Pregnancy. **2023**, 17, 12-19 ○
- 103 Efficacy of extracellular vesicles of different cell origins in traumatic brain injury: A systematic review and network meta-analysis. 17, ○
- 102 Peripheral signature of altered synaptic integrity in young onset cannabis use disorder: A proteomic study of circulating extracellular vesicles. 1-11 ○
- 101 Distinct microRNA and protein profiles of extracellular vesicles secreted from myotubes from morbidly obese donors with type 2 diabetes in response to electrical pulse stimulation. 14, ○
- 100 Research Advances on Stem Cell-Derived Extracellular Vesicles Promoting the Reconstruction of Alveolar Bone through RANKL/RANK/OPG Pathway. **2023**, 14, 193 ○
- 99 The anti-immune dengue subgenomic flaviviral RNA is present in vesicles in mosquito saliva and is associated with increased infectivity. **2023**, 19, e1011224 ○
- 98 Extracellular Vesicles and Their Membranes: Exosomes vs. Virus-Related Particles. **2023**, 13, 397 ○
- 97 Regulatory roles of extracellular vesicles in adverse pregnancy outcomes exposed with environmental toxicants. **2022**, 52, 867-880 ○
- 96 Analytical device miniaturization for the detection of circulating biomarkers. ○
- 95 Purification Analysis, Intracellular Tracking, and Colocalization of Extracellular Vesicles Using Atomic Force and 3D Single-Molecule Localization Microscopy. **2023**, 95, 6061-6070 ○
- 94 MitoEVs: A new player in multiple disease pathology and treatment. **2023**, 12, ○
- 93 BloodBrain Barrier Biomarkers before and after Kidney Transplantation. **2023**, 24, 6628 ○
- 92 Mesenchymal Stem Cell-Derived Exosomes for Myocardial Infarction Treatment. ○
- 91 Human Adult Astrocyte Extracellular Vesicle Transcriptomics Study Identifies Specific RNAs Which Are Preferentially Secreted as EV Luminal Cargo. **2023**, 14, 853 ○
- 90 Extracellular vesicles in tumor angiogenesis and resistance to anti-angiogenic therapy. ○
- 89 Analysis of circulating extracellular vesicle derived microRNAs in breast cancer patients with obesity: a potential role for Let-7a. **2023**, 21, ○
- 88 Mesenchymal Stem Cell-derived Exosomes: Novel Therapeutic Approach for Inflammatory Bowel Diseases. **2023**, 2023, 1-16 ○

- 87 Biomarkers for parkinsonian disorders in CNS-originating EVs: promise and challenges. **2023**, 145, 515-540 ○
- 86 Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Enhance Angiogenesis Through Upregulation of the VWF and Flk1 Genes in Endothelial Cells. **2023**, ○
- 85 Effect of mesenchymal stromal cells-derived extracellular vesicles as a treatment to heal diabetic wounds: A meta-analysis. ○
- 84 Extracellular Vesicles as Potential Bladder Cancer Biomarkers: Take It or Leave It?. **2023**, 24, 6757 ○
- 83 Small extracellular vesicles promote invadopodia activity in glioblastoma cells in a therapy-dependent manner. ○
- 82 Small extracellular vesicles in breast cancer brain metastasis and the prospect of clinical application. 11, ○
- 81 Neuron-derived Extracellular Vesicles in Blood Reveal Effects of Exercise in Alzheimer's Disease. ○
- 80 Extracellular vesicles in carcinoma microenvironment. ○
- 79 Extracellular Vesicles and Their Zeta Potential as Future Markers Associated with Nutrition and Molecular Biomarkers in Breast Cancer. **2023**, 24, 6810 ○
- 78 Tumour-derived extracellular vesicle based vaccines for melanoma treatment. **2023**, 13, 1520-1542 ○
- 77 Exosomal lipid PI4P regulates small extracellular vesicle secretion by modulating intraluminal vesicle formation. **2023**, 12, ○
- 76 Granulosa cell-derived extracellular vesicles mitigate the detrimental impact of thermal stress on bovine oocytes and embryos. 11, ○
- 75 Stem cell-derived exosomes from human exfoliated deciduous teeth promote angiogenesis in hyperglycemic-induced human umbilical vein endothelial cells. 31, ○
- 74 Extracellular vesicles, hyperadhesive von willebrand factor, and outcomes of gastric cancer: a clinical observational study. **2023**, 40, ○
- 73 Saturated fatty acid-enriched small extracellular vesicles mediate a crosstalk inducing liver inflammation and hepatocyte insulin resistance. **2023**, 100756 ○
- 72 Mesenchymal stromal/stem cell (MSC)-derived exosomes in clinical trials. **2023**, 14, ○
- 71 Analysis of tumor-draining vein secretome: A direct access to tumor-derived extracellular vesicles in surgical lung cancer patients. **2023**, 47, 951-957 ○
- 70 The Potential Use of Mitochondrial Extracellular Vesicles as Biomarkers or Therapeutical Tools. **2023**, 24, 7005 ○

- 69 Palmitate alters miRNA content of small extracellular vesicles secreted from NPY/AgRP-expressing hypothalamic neurons. **2023**, 148367
- 68 Identification of a Novel Small Molecule That Enhances the Release of Extracellular Vesicles with Immunostimulatory Potency via Induction of Calcium Influx. **2023**, 18, 982-993
- 67 The role of extracellular vesicles in periodontitis: pathogenesis, diagnosis, and therapy. 14,
- 66 miR-125b-5p impacts extracellular vesicle biogenesis, trafficking, and EV subpopulation release in the porcine trophoblast by regulating ESCRT-dependent pathway.
- 65 Extracellular vesicle-mediated remodeling of the bone marrow microenvironment in myeloid malignancies.
- 64 Independent human mesenchymal stromal cell-derived extracellular vesicle preparations differentially attenuate symptoms in an advanced murine graft-versus-host disease model. **2023**,
- 63 Therapeutic potential of MSCs and MSC-derived extracellular vesicles in immune thrombocytopenia. **2023**, 14,
- 62 The molecular mechanism of human stem cell-derived extracellular vesicles in retinal repair and regeneration. **2023**, 14,
- 61 A Method for Increasing the Robustness of Stable Feature Selection for Biomarker Discovery in Molecular Medicine Developed Using Serum Small Extracellular Vesicle Associated miRNAs and the Barrett's Oesophagus Disease Spectrum. **2023**, 24, 7068
- 60 Acute myeloid leukemia cells and MSC-derived exosomes inhibiting transformation in myelodysplastic syndrome.
- 59 Stereochemistry-activity relationship of ceramide-induced exosome production to clear amyloid- β in Alzheimer's disease.
- 58 Extracellular vesicles engineering by silicates-activated endothelial progenitor cells for myocardial infarction treatment in male mice. **2023**, 14,
- 57 A review of the regulatory mechanisms of extracellular vesicles-mediated intercellular communication. **2023**, 21,
- 56 Characteristics of size-exclusion chromatography enriched porcine follicular fluid extracellular vesicles. **2023**,
- 55 Extracellular Vesicles in Chronic Lymphocytic Leukemia: Tumor Microenvironment Messengers as a Basis for New Targeted Therapies?. **2023**, 15, 2307
- 54 Neuronal Exosomes as a New Signaling System. **2023**, 88, 457-465
- 53 Sequence-Based Platforms for Discovering Biomarkers in Liquid Biopsy of Non-Small-Cell Lung Cancer. **2023**, 15, 2275
- 52 Endoplasmic Reticulum Is a Hypoxia-Inducible Endoplasmic Reticulum-Derived Cargo of Extracellular Vesicles Released by Cardiac Cell Lines. **2023**, 13, 431

- 51 Biology and therapeutic potential of mesenchymal stem cell extracellular vesicles in axial spondyloarthritis. **2023**, 6, ○
- 50 Extracellular Vesicles for Therapeutic Nucleic Acid Delivery: Loading Strategies and Challenges. **2023**, 24, 7287 ○
- 49 Reversible zwitterionic coordination enables rapid, high-yield, and high-purity isolation of extracellular vesicles from biofluids. **2023**, 9, ○
- 48 Extracellular Vesicles in Breast Cancer: From Biology and Function to Clinical Diagnosis and Therapeutic Management. **2023**, 24, 7208 ○
- 47 Comparison of proteomic landscape of extracellular vesicles in pleural effusions isolated by three strategies. 11, ○
- 46 Analyses of single extracellular vesicles from non-small lung cancer cells to reveal effects of epidermal growth factor receptor inhibitor treatments. **2023**, 259, 124553 ○
- 45 Investigational Use of Mesenchymal Stem/Stromal Cells and Their Secretome as Add-On Therapy in Severe Respiratory Virus Infections: Challenges and Perspectives. ○
- 44 Isolation and Characterization of Extracellular Vesicles in Human Bowel Lavage Fluid. **2023**, 24, 7391 ○
- 43 Extracellular vesicles from immortalized mesenchymal stromal cells protect against neonatal hypoxic-ischemic brain injury. **2023**, 43, ○
- 42 Circulating tumor extracellular vesicles to monitor metastatic prostate cancer genomics and transcriptomic evolution. ○
- 41 Extracellular Vesicles Secreted by Pre-Hatching Bovine Embryos Produced In Vitro and In Vivo Alter the Expression of IFN τ -Stimulated Genes in Bovine Endometrial Cells. **2023**, 24, 7438 ○
- 40 The composition and functionality of bacterial membrane vesicles (bMVs) in *Escherichia coli* time course comparison study in different media. ○
- 39 Temperature regulates Rab3a and mast cell-derived exosomal Fc γ RI to inhibit mast cell activation. ○
- 38 Depletion of abundant plasma proteins for extracellular vesicle proteome characterization: benefits and pitfalls. ○
- 37 Colorectal cancer-derived small extracellular vesicles induce TGF β -mediated epithelial to mesenchymal transition of hepatocytes. **2023**, 23, ○
- 36 Perinatal origins of bronchopulmonary dysplasia: Deciphering normal and impaired lung development cell by cell. **2023**, 10, ○
- 35 Biophysical Parameters of Plasma-Derived Extracellular Vesicles as Potential Biomarkers of Bone Disturbances in Breast Cancer Patients Receiving an Individualized Nutrition Intervention. **2023**, 15, 1963 ○
- 34 Fetal bovine serum contains biologically available ATP. ○

- 33 Extracellular vesicles from the trematodes *Fasciola hepatica* and *Dicrocoelium dendriticum* trigger different responses in human THP-1 macrophages. **2023**, 12, ○
- 32 Small and Large Extracellular Vesicles Derived from Pleural Mesothelioma Cell Lines Offer Biomarker Potential. **2023**, 15, 2364 ○
- 31 Isolation of Adipose Tissue Extracellular Vesicles. **2023**, 209-217 ○
- 30 HIV Promotes Atherosclerosis via Circulating Extracellular Vesicle MicroRNAs. **2023**, 24, 7567 ○
- 29 T cell-derived exosomes in tumor immune modulation and immunotherapy. 14, ○
- 28 Enhancing oral delivery of plant-derived vesicles for colitis. **2023**, 357, 472-483 ○
- 27 Roles and Application of Extracellular Vesicles Occurring Endogenously and Naturally. ○
- 26 Moyamoya disease-specific extracellular vesicle-derived microRNAs in the cerebrospinal fluid revealed by comprehensive expression analysis through microRNA sequencing. ○
- 25 Extracellular Vesicles and Their Mimetics: A Comparative Study of Their Pharmacological Activities and Immunogenicity Profiles. **2023**, 15, 1290 ○
- 24 Exosomes derived from LPS-preconditioned bone marrow-derived MSC modulate macrophage plasticity to promote allograft survival via the NF- κ B/NLRP3 signaling pathway. ○
- 23 Bioengineered Mesenchymal-Stromal-Cell-Derived Extracellular Vesicles as an Improved Drug Delivery System: Methods and Applications. **2023**, 11, 1231 ○
- 22 Research progress of extracellular vesicles as biomarkers in immunotherapy for non-small cell lung cancer. 14, ○
- 21 Engineering Extracellular Vesicles as Delivery Systems in Therapeutic Applications. ○
- 20 Extracellular Vesicles of the Plant Pathogen *Botrytis cinerea*. **2023**, 9, 495 ○
- 19 Defining the influence of size-exclusion chromatography fraction window and ultrafiltration column choice on extracellular vesicle recovery in a skeletal muscle model. **2023**, 2, ○
- 18 Ultrasensitive protein detection technologies for extracellular vesicle measurements. **2023**, 100557 ○
- 17 The role of biomechanical stress in extracellular vesicle formation, composition and activity. **2023**, 66, 108158 ○
- 16 A roadmap from research to clinical testing of mesenchymal stromal cell exosomes in the treatment of psoriasis. **2023**, ○

- 15 Adipose Tissue-Derived Stem Cell Extracellular Vesicles Suppress Glioblastoma Proliferation, Invasiveness and Angiogenesis. **2023**, 12, 1247
- 14 Osteoimmune Interactions and Therapeutic Potential of Macrophage-Derived Small Extracellular Vesicles in Bone-Related Diseases. Volume 18, 2163-2180
- 13 Extracellular Vesicles (EVs) in Tumor Diagnosis and Therapy. **2023**, 22, 153303382311714
- 12 Quantitative imaging of vesicle-protein interactions reveals close cooperation among proteins. **2023**, 12,
- 11 Multiplexed PLGA scaffolds with nitric oxide-releasing zinc oxide and melatonin-modulated extracellular vesicles for severe chronic kidney disease.
- 10 Bioengineering extracellular vesicles: smart nanomaterials for bone regeneration. **2023**, 21,
- 9 Exploring potential impacts of pregnancy-related maternal immune activation and extracellular vesicles on immune alterations observed in autism spectrum disorder. **2023**, 9, e15593
- 8 Cells resident to precision templated 40- μ m pore scaffolds generate small extracellular vesicles that affect CD4+ T cell phenotypes through regulatory TLR4 signaling. **2023**,
- 7 Potential applications of mesenchymal stem cells and their derived exosomes in regenerative medicine. 1-17
- 6 WITHDRAWN: A comprehensive review of quantum bioreactor cell manufacture: Research and clinical applications. **2023**,
- 5 M2 macrophage-derived exosomes suppress tumor intrinsic immunogenicity to confer immunotherapy resistance. **2023**, 12,
- 4 Do different exosome biogenesis pathways and selective cargo enrichment contribute to exosomal heterogeneity?.
- 3 Circulating extracellular vesicles from patients with traumatic brain injury induce cerebrovascular endothelial dysfunction. **2023**, 192, 106791
- 2 Exosomes derived from TGF- β -pretreated mesenchymal stem cells alleviate biliary ischemia-reperfusion injury through Jagged1/Notch1/SOX9 pathway. **2023**, 119, 110253
- 1 Extracellular communication between brain cells through functional transfer of Cre mRNA mediated by Extracellular Vesicles. **2023**,