

CITATION REPORT

List of articles citing

Standardization of sample collection, isolation and analysis methods in extracellular vesicle research

DOI: 10.3402/jev.v2i0.20360

Journal of Extracellular Vesicles, 2013, 2, .

Source: <https://exaly.com/paper-pdf/57083201/citation-report.pdf>

Version: 2024-04-24

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
1641	Exosomes in prostate cancer: putting together the pieces of a puzzle. 2013 , 5, 1522-44		58
1640	Real-time quantitative PCR and droplet digital PCR for plant miRNAs in mammalian blood provide little evidence for general uptake of dietary miRNAs: limited evidence for general uptake of dietary plant xenomiRs. 2013 , 10, 1080-6		144
1639	Comparison of Methods for miRNA Extraction from Plasma and Quantitative Recovery of RNA from Cerebrospinal Fluid. 2013 , 4, 83		116
1638	ISEV position paper: extracellular vesicle RNA analysis and bioinformatics. <i>Journal of Extracellular Vesicles</i> , 2013 , 2,	16.4	99
1637	The role of microparticles in chronic obstructive pulmonary disease. 2014 , 9, 303-14		31
1636	Isolation of urinary extracellular vesicles from Tamm- Horsfall protein-depleted urine and their application in the development of a lectin-exosome-binding assay. 2014 , 57, 143-9		45
1635	Extracellular Vesicles in Multiple Sclerosis: What are They Telling Us?. 2014 , 8, 100		71
1634	Informatic system for a global tissue-fluid biorepository with a graph theory-oriented graphical user interface. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	4
1633	Characterization and Functional Modification of Extracellular Vesicles. 2014 , 29, 108-115		
1632	Role of Blood Sampling in Assessment of Concentration of Extracellular Nanovesicles in Isolates from Peripheral Blood. 2014 , 19, 175-189		1
1631	MicroRNA profiling of exosomes isolated from biofluids and conditioned media. 2014 , 1182, 131-44		10
1630	Extracellular vesicles and reproduction-promotion of successful pregnancy. 2014 , 11, 548-63		116
1629	Parasite extracellular vesicles: mediators of intercellular communication. 2014 , 10, e1004289		27
1628	Use and isolation of urinary exosomes as biomarkers for diabetic nephropathy. 2014 , 5, 149		56
1627	Extracellular vesicles: potential roles in regenerative medicine. 2014 , 5, 608		212
1626	Extracellular vesicles as shuttles of tumor biomarkers and anti-tumor drugs. 2014 , 4, 267		71
1625	Microparticles: a new perspective in central nervous system disorders. 2014 , 2014, 756327		31

1624	A Pilot Study on the Potential of RNA-Associated to Urinary Vesicles as a Suitable Non-Invasive Source for Diagnostic Purposes in Bladder Cancer. 2014 , 6, 179-92	43
1623	Annual FEV1 changes and numbers of circulating endothelial microparticles in patients with COPD: a prospective study. 2014 , 4, e004571	19
1622	The Role of Extracellular Vesicles in Modulating the Host Immune Response during Parasitic Infections. 2014 , 5, 433	52
1621	Co-isolation of extracellular vesicles and high-density lipoproteins using density gradient ultracentrifugation. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 197
1620	Extracellular vesicles as therapeutic tools in cardiovascular diseases. 2014 , 5, 370	86
1619	Tolerance in organ transplantation: from conventional immunosuppression to extracellular vesicles. 2014 , 5, 416	30
1618	Immunomodulatory Potential of Human Adipose Mesenchymal Stem Cells Derived Exosomes on in vitro Stimulated T Cells. 2014 , 5, 556	205
1617	Emerging role of extracellular vesicles in inflammatory diseases. 2014 , 10, 356-64	433
1616	Microvesicles as cell-cell messengers in cardiovascular diseases. 2014 , 114, 345-53	283
1615	Exosomes and cardiac repair after myocardial infarction. 2014 , 114, 333-44	323
1614	Circulating extracellular vesicles as a potential source of new biomarkers of drug-induced liver injury. 2014 , 225, 401-6	34
1613	The emerging roles of microvesicles in liver diseases. 2014 , 11, 350-61	130
1612	Extracellular vesicles from blood plasma: determination of their morphology, size, phenotype and concentration. 2014 , 12, 614-27	423
1611	The proteomics of prostate cancer exosomes. 2014 , 11, 167-77	50
1610	Extracellular vesicles: emerging targets for cancer therapy. 2014 , 20, 385-93	277
1609	Methodological challenges in utilizing miRNAs as circulating biomarkers. 2014 , 18, 371-90	298
1608	The overexpression of a single oncogene (ERBB2/HER2) alters the proteomic landscape of extracellular vesicles. 2014 , 14, 1472-9	38
1607	Exosomes are involved in mediating radiation induced bystander signaling in human keratinocyte cells. 2014 , 181, 138-45	117

1606	Microvesicles and exosomes for intracardiac communication. 2014 , 102, 302-11	176
1605	Exosomes: nanoparticles involved in cardioprotection?. 2014 , 114, 325-32	132
1604	The roles of extracellular vesicles in cancer biology: toward the development of novel cancer biomarkers. 2014 , 14, 412-25	108
1603	The emerging role of extracellular vesicles as biomarkers for urogenital cancers. 2014 , 11, 688-701	201
1602	Transfer and functional consequences of dietary microRNAs in vertebrates: concepts in search of corroboration: negative results challenge the hypothesis that dietary xenomiRs cross the gut and regulate genes in ingesting vertebrates, but important questions persist. 2014 , 36, 394-406	90
1601	Quantitative and stoichiometric analysis of the microRNA content of exosomes. 2014 , 111, 14888-93	676
1600	Diagnostic and prognostic potential of extracellular vesicles in peripheral blood. 2014 , 36, 830-46	168
1599	Molecular and dimensional profiling of highly purified extracellular vesicles by fluorescence fluctuation spectroscopy. 2014 , 86, 7229-33	31
1598	Extracellular vesicles as a platform for 'liquid biopsy' in glioblastoma patients. 2014 , 14, 819-25	90
1597	Protrusion-guided extracellular vesicles mediate CD30 trans-signalling in the microenvironment of Hodgkin's lymphoma. 2014 , 232, 405-14	34
1596	Placenta-derived exosomes and syncytiotrophoblast microparticles and their role in human reproduction: immune modulation for pregnancy success. 2014 , 72, 440-57	121
1595	Extracellular microRNAs in saliva. 2014 , 56, 91-96	
1594	Multifaceted effects of oligodendroglial exosomes on neurons: impact on neuronal firing rate, signal transduction and gene regulation. 2014 , 369,	167
1593	Biogenesis, secretion, and intercellular interactions of exosomes and other extracellular vesicles. 2014 , 30, 255-89	3261
1592	Circulating glioma biomarkers. 2015 , 17, 343-60	52
1591	Isolation of biologically-active exosomes from human plasma. 2014 , 411, 55-65	278
1590	Critical role of extracellular vesicles in modulating the cellular effects of cytokines. 2014 , 71, 4055-67	35
1589	A comprehensive overview of exosomes as drug delivery vehicles - endogenous nanocarriers for targeted cancer therapy. 2014 , 1846, 75-87	342

1588	Improvement of cloned embryos development by co-culturing with parthenotes: a possible role of exosomes/microvesicles for embryos paracrine communication. 2014 , 16, 223-34	90
1587	MicroRNA expression signatures and their correlation with clinicopathological features in glioblastoma multiforme. 2014 , 16, 565-77	29
1586	Extracellular vesicles from neural stem cells transfer IFN- γ via Ifngr1 to activate Stat1 signaling in target cells. 2014 , 56, 193-204	195
1585	Extracellular vesicles as modulators of cell-to-cell communication in the healthy and diseased brain. 2014 , 369,	121
1584	Toward routine detection of extracellular vesicles in clinical samples. 2014 , 36, 244-53	43
1583	Characterization of protective extracellular membrane-derived vesicles produced by <i>Streptococcus pneumoniae</i> . 2014 , 106, 46-60	129
1582	Urinary extracellular vesicles and the kidney: biomarkers and beyond. 2014 , 306, F1251-9	119
1581	Towards traceable size determination of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 88
1580	Issues and prospects of microRNA-based biomarkers in blood and other body fluids. 2014 , 19, 6080-105	67
1579	Extracellular vesicles from a muscle cell line (C2C12) enhance cell survival and neurite outgrowth of a motor neuron cell line (NSC-34). <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 32
1578	The influence of rotor type and centrifugation time on the yield and purity of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 247
1577	Recovery of extracellular vesicles from human breast milk is influenced by sample collection and vesicle isolation procedures. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 148
1576	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 26913	16.4 1589
1575	The impact of disparate isolation methods for extracellular vesicles on downstream RNA profiling. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 533
1574	Comparative analysis of discrete exosome fractions obtained by differential centrifugation. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25011	16.4 187
1573	Isolation and characterization of platelet-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4 168
1572	Effect of storage on physical and functional properties of extracellular vesicles derived from neutrophilic granulocytes. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25465	16.4 108
1571	Enrichment of calcifying extracellular vesicles using density-based ultracentrifugation protocol. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25129	16.4 35

1570	Movement of regulatory RNA between animal cells. 2015 , 53, 395-416		35
1569	Isolation of exosomes by differential centrifugation: Theoretical analysis of a commonly used protocol. 2015 , 5, 17319		267
1568	Extracellular vesicles are rapidly purified from human plasma by Protein Organic Solvent Precipitation (PROSPR). 2015 , 5, 14664		74
1567	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 26533	16.4	45
1566	Synaptic vesicles contain small ribonucleic acids (sRNAs) including transfer RNA fragments (trfRNA) and microRNAs (miRNA). 2015 , 5, 14918		19
1565	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27066	16.4	2611
1564	Simplified protocol for flow cytometry analysis of fluorescently labeled exosomes and microvesicles using dedicated flow cytometer. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 25530	16.4	232
1563	Size-exclusion chromatography-based enrichment of extracellular vesicles from urine samples. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27369	16.4	114
1562	High-speed centrifugation induces aggregation of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29509	16.4	271
1561	Measurement of Individual Nanobioparticles on Microfluidic Chips by Laser Dark-field Imaging. 2015 , 28, 727-730		6
1560	Optimized exosome isolation protocol for cell culture supernatant and human plasma. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27031	16.4	823
1559	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 30087	16.4	722
1558	High-yield isolation of extracellular vesicles using aqueous two-phase system. 2015 , 5, 13103		84
1557	Handling and storage of human body fluids for analysis of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29260	16.4	130
1556	Characterisation of adipocyte-derived extracellular vesicles released pre- and post-adipogenesis. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29159	16.4	62
1555	Size Exclusion HPLC Detection of Small-Size Impurities as a Complementary Means for Quality Analysis of Extracellular Vesicles. 2015 , 4, 6		8
1554	Size-exclusion chromatography as a stand-alone methodology identifies novel markers in mass spectrometry analyses of plasma-derived vesicles from healthy individuals. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27378	16.4	125
1553	Microvesicles from platelets: novel drivers of vascular inflammation. 2015 , 114, 228-36		71

1552	Human Induced Pluripotent Stem Cell-Derived Microvesicles Transmit RNAs and Proteins to Recipient Mature Heart Cells Modulating Cell Fate and Behavior. 2015 , 33, 2748-61	64
1551	Extracellular Vesicles from Ovarian Carcinoma Cells Display Specific Glycosignatures. 2015 , 5, 1741-61	49
1550	Circulating microRNA Biomarkers as Liquid Biopsy for Cancer Patients: Pros and Cons of Current Assays. 2015 , 4, 1890-907	86
1549	Isolation of Exosomes from Blood Plasma: Qualitative and Quantitative Comparison of Ultracentrifugation and Size Exclusion Chromatography Methods. 2015 , 10, e0145686	359
1548	Isolation of High-Purity Extracellular Vesicles by Extracting Proteins Using Aqueous Two-Phase System. 2015 , 10, e0129760	32
1547	Comparison of plasma extracellular RNA isolation kits reveals kit-dependent biases. 2015 , 59, 13-7	31
1546	Extracellular Vesicles from MSC Modulate the Immune Response to Renal Allografts in a MHC Disparate Rat Model. 2015 , 2015, 486141	23
1545	Antibody-Based Assays for Phenotyping of Extracellular Vesicles. 2015 , 2015, 524817	18
1544	Extracellular microRNAs from the epididymis as potential mediators of cell-to-cell communication. 2015 , 17, 730-6	43
1543	Extracellular vesicle-depleted fetal bovine and human sera have reduced capacity to support cell growth. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 26373	16.4 87
1542	Novel methodologies for biomarker discovery in atherosclerosis. 2015 , 36, 2635-42	133
1541	Integrated isolation and quantitative analysis of exosome shuttled proteins and nucleic acids using immunocapture approaches. 2015 , 87, 46-58	217
1540	Methods for extracellular vesicles isolation in a hospital setting. 2015 , 6, 50	75
1539	Urinary extracellular vesicles as source of biomarkers in kidney diseases. 2015 , 6, 6	90
1538	Translating extracellular microRNA into clinical biomarkers for drug-induced toxicity: from high-throughput profiling to validation. 2015 , 9, 1177-88	19
1537	Assessment of small RNA sorting into different extracellular fractions revealed by high-throughput sequencing of breast cell lines. 2015 , 43, 5601-16	132
1536	TNF α triggers release of extracellular vesicles containing TNFR1 and TRADD, which can modulate TNF α responses of the parental cells. 2015 , 587, 31-7	7
1535	Circulating microribonucleic acids miR-1, miR-21 and miR-208a in patients with symptomatic heart failure: Preliminary results. 2015 , 108, 634-42	38

1534	Time-dependent release of extracellular vesicle subpopulations in tumor CABA1 cells. 2015 , 34, 2752-9	7
1533	Acoustic purification of extracellular microvesicles. 2015 , 9, 2321-7	287
1532	EVpedia: a community web portal for extracellular vesicles research. 2015 , 31, 933-9	256
1531	MS/MS-based strategies for proteomic profiling of invasive cell structures. 2015 , 15, 272-86	14
1530	Circulating DNA and miRNA Isolation. 2015 , 71-87	
1529	Possibilities and limitations of current technologies for quantification of biological extracellular vesicles and synthetic mimics. 2015 , 200, 87-96	173
1528	Immunomodulatory role of microRNAs transferred by extracellular vesicles. 2015 , 107, 61-77	86
1527	Applications of tunable resistive pulse sensing. 2015 , 140, 3318-34	84
1526	Extracellular vesicles in cancer: exosomes, microvesicles and the emerging role of large oncosomes. 2015 , 40, 41-51	467
1525	Breast Cancer-Specific miR Signature Unique to Extracellular Vesicles Includes "microRNA-like" tRNA Fragments. 2015 , 13, 891-901	70
1524	Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins. 2015 , 205, 35-44	295
1523	Exosomal clusterin, identified in the pericardial fluid, improves myocardial performance following MI through epicardial activation, enhanced arteriogenesis and reduced apoptosis. 2015 , 197, 333-47	55
1522	The potential of tumor-derived exosomes for noninvasive cancer monitoring. 2015 , 15, 1293-310	92
1521	Using exosomes, naturally-equipped nanocarriers, for drug delivery. 2015 , 219, 396-405	491
1520	High serum levels of extracellular vesicles expressing malignancy-related markers are released in patients with various types of hematological neoplastic disorders. 2015 , 36, 9739-52	113
1519	Small extracellular vesicles as tumor biomarkers for glioblastoma. 2015 , 45, 97-102	28
1518	Exosomes and exosomal miRNAs in cardiovascular protection and repair. 2015 , 71, 24-30	169
1517	Techniques to improve detection and analysis of extracellular vesicles using flow cytometry. 2015 , 87, 1052-63	56

1516	miRNA contents of cerebrospinal fluid extracellular vesicles in glioblastoma patients. 2015 , 123, 205-16	98
1515	Integrated systems for exosome investigation. 2015 , 87, 31-45	134
1514	Highly-purified exosomes and shed microvesicles isolated from the human colon cancer cell line LIM1863 by sequential centrifugal ultrafiltration are biochemically and functionally distinct. 2015 , 87, 11-25	161
1513	Isolation of syncytiotrophoblast microvesicles and exosomes and their characterisation by multicolour flow cytometry and fluorescence Nanoparticle Tracking Analysis. 2015 , 87, 64-74	117
1512	Extracellular vesicle microRNA transfer in cardiovascular disease. 2015 , 24, 199-206	126
1511	Cell or cell membrane-based drug delivery systems. 2015 , 5, 863-81	267
1510	Isolation of extracellular vesicles: Determining the correct approach (Review). 2015 , 36, 11-7	161
1509	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. 2015 , 6, 7029	345
1508	Information transfer by exosomes: A new frontier in hematologic malignancies. 2015 , 29, 281-90	59
1507	Methods of isolating extracellular vesicles impact down-stream analyses of their cargoes. 2015 , 87, 3-10	340
1506	Analysis of bacteria-derived outer membrane vesicles using tunable resistive pulse sensing. 2015 ,	4
1505	Exosome isolation: a microfluidic road-map. 2015 , 15, 2388-94	233
1504	Cell-derived vesicles for drug therapy and diagnostics: opportunities and challenges. 2015 , 10, 397-409	101
1503	Paper-based devices for isolation and characterization of extracellular vesicles. 2015 , e52722	16
1502	Analysis of exosome release as a cellular response to MAPK pathway inhibition. 2015 , 31, 5440-8	43
1501	Techniques for the analysis of extracellular vesicles using flow cytometry. 2015 ,	16
1500	Size and shape characterization of hydrated and desiccated exosomes. 2015 , 407, 3285-301	105
1499	Imaging flow cytometry enhances particle detection sensitivity for extracellular vesicle analysis. 2015 , 12, i-ii	14

1498	Data Normalization Strategies for MicroRNA Quantification. 2015 , 61, 1333-42	287
1497	Microvesicle- and exosome-mediated drug delivery enhances the cytotoxicity of Paclitaxel in autologous prostate cancer cells. 2015 , 220, 727-37	319
1496	Circulating microRNAs. 2015 , 80, 1117-26	23
1495	Dietética china y nutrigenética, posibles puntos de convergencia. 2015 , 9, 101-105	
1494	Antibody-coupled monolithic silica microtips for highthroughput molecular profiling of circulating exosomes. 2014 , 4, 6232	122
1493	On-chip immunoelectrophoresis of extracellular vesicles released from human breast cancer cells. 2015 , 10, e0123603	54
1492	Extracellular vesicles in lung microenvironment and pathogenesis. 2015 , 21, 533-42	106
1491	Potential role of cervicovaginal extracellular particles in diagnosis of endometriosis. 2015 , 11, 187	6
1490	Size characterization and quantification of exosomes by asymmetrical-flow field-flow fractionation. 2015 , 87, 9225-33	137
1489	Microparticles: A Novel Player in Cardiovascular Diseases. 2015 , 132, 249-51	3
1488	Extracellular Vesicles Improve Post-Stroke Neuroregeneration and Prevent Postischemic Immunosuppression. 2015 , 4, 1131-43	418
1487	Magnetic resonance imaging of melanoma exosomes in lymph nodes. 2015 , 74, 266-271	110
1486	Proteomics of extracellular vesicles: Exosomes and ectosomes. 2015 , 34, 474-90	257
1485	Emerging roles for extracellular vesicles in tissue engineering and regenerative medicine. 2015 , 21, 45-54	144
1484	Circulating microRNA biomarker studies: pitfalls and potential solutions. 2015 , 61, 56-63	338
1483	Lipidomic and proteomic characterization of platelet extracellular vesicle subfractions from senescent platelets. 2015 , 55, 507-21	78
1482	A simple flow cytometry method improves the detection of phosphatidylserine-exposing extracellular vesicles. 2015 , 13, 237-47	62
1481	Diagnostic and therapeutic potentials of exosomes in CNS diseases. 2015 , 1617, 63-71	86

1480	Extracellular Vesicles as New Players in Cellular Senescence. 2016 , 17,	72
1479	Exosomes as the source of biomarkers of metabolic diseases. 2016 , 21, 119-125	35
1478	Extracellular Vesicles and Autophagy in Osteoarthritis. 2016 , 2016, 2428915	16
1477	Exosomes and Their Therapeutic Potentials of Stem Cells. 2016 , 2016, 7653489	105
1476	Mesenchymal Stem Cell-Derived Microvesicles Support Ex Vivo Expansion of Cord Blood-Derived CD34(+) Cells. 2016 , 2016, 6493241	32
1475	The Serum Expression of Selected miRNAs in Pulmonary Sarcoidosis with/without Löfgren's Syndrome. 2016 , 2016, 1246129	12
1474	Extracellular vesicle isolation and characterization: toward clinical application. 2016 , 126, 1152-62	467
1473	Versatile roles of extracellular vesicles in cancer. 2016 , 126, 1163-72	205
1472	Stem Cell-Derived Extracellular Vesicles and Immune-Modulation. 2016 , 4, 83	154
1471	Melanoma Affects the Composition of Blood Cell-Derived Extracellular Vesicles. 2016 , 7, 282	25
1470	Extracellular Vesicles: A New Frontier in Biomarker Discovery for Non-Alcoholic Fatty Liver Disease. 2016 , 17, 376	44
1469	New Concepts in Cancer Biomarkers: Circulating miRNAs in Liquid Biopsies. 2016 , 17,	162
1468	Clinical Application of Human Urinary Extracellular Vesicles in Kidney and Urologic Diseases. 2016 , 17,	18
1467	Diurnal Variations of Circulating Extracellular Vesicles Measured by Nano Flow Cytometry. 2016 , 11, e0144678	46
1466	Indication of Horizontal DNA Gene Transfer by Extracellular Vesicles. 2016 , 11, e0163665	61
1465	Focus on Extracellular Vesicles: Physiological Role and Signalling Properties of Extracellular Membrane Vesicles. 2016 , 17, 171	162
1464	Modulation of tissue tropism and biological activity of exosomes and other extracellular vesicles: New nanotools for cancer treatment. 2016 , 111, 487-500	99
1463	Exosome-encapsulated microRNAs as circulating biomarkers for breast cancer. 2016 , 139, 1443-8	108

1462	Post isolation modification of exosomes for nanomedicine applications. 2016 , 11, 1745-56		105
1461	UVB Generates Microvesicle Particle Release in Part Due to Platelet-activating Factor Signaling. 2016 , 92, 503-6		11
1460	Extracellular vesicles in cardiovascular disease: are they Jedi or Sith?. 2016 , 594, 2881-94		36
1459	Microparticles in sickle cell anaemia: promise and pitfalls. 2016 , 174, 16-29		40
1458	Renal extracellular vesicles: from physiology to clinical application. 2016 , 594, 5735-5748		29
1457	First in vivo detection and characterization of hyaluronan-coated extracellular vesicles in human synovial fluid. 2016 , 34, 1960-1968		18
1456	Synovial fluid pretreatment with hyaluronidase facilitates isolation of CD44+ extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 31751	16.4	13
1455	Treatment of lung disease by mesenchymal stromal cell extracellular vesicles. 2016 , 553-572		1
1454	Extracellular vesicles in the pathogenesis of rheumatoid arthritis and osteoarthritis. 2016 , 18, 286		131
1453	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 31242	16.4	103
1452	The International Society for Extracellular Vesicles launches the first massive open online course on extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 34299	16.4	16
1451	Charge-based precipitation of extracellular vesicles. 2016 , 38, 1359-1366		135
1450	Future microfluidic and nanofluidic modular platforms for nucleic acid liquid biopsy in precision medicine. 2016 , 10, 032902		36
1449	A low balance between microparticles expressing tissue factor pathway inhibitor and tissue factor is associated with thrombosis in Behçet's Syndrome. 2016 , 6, 38104		19
1448	Effect on Intermittent Hypoxia on Plasma Exosomal Micro RNA Signature and Endothelial Function in Healthy Adults. 2016 , 39, 2077-2090		52
1447	Proteomic analysis of exosomal cargo: the challenge of high purity vesicle isolation. 2016 , 12, 1407-19		119
1446	Preanalytical, analytical, and biological variation of blood plasma submicron particle levels measured with nanoparticle tracking analysis and tunable resistive pulse sensing. 2016 , 76, 349-60		33
1445	Extracellular vesicles in blood, milk and body fluids of the female and male urogenital tract and with special regard to reproduction. 2016 , 53, 379-95		51

1444	Sources and Functions of Extracellular Small RNAs in Human Circulation. 2016 , 36, 301-36	83
1443	Extracellular Vesicles and Their Role in Urologic Malignancies. 2016 , 70, 323-31	62
1442	Extracellular Vesicles Exploit Viral Entry Routes for Cargo Delivery. 2016 , 80, 369-86	152
1441	Introduction to Extracellular Vesicles: Biogenesis, RNA Cargo Selection, Content, Release, and Uptake. 2016 , 36, 301-12	694
1440	Melanoma exosomes enable tumor tolerance in lymph nodes. 2016 , 90, 11-3	19
1439	Erythrocytes in nanomedicine: an optimal blend of natural and synthetic materials. 2016 , 4, 1024-31	39
1438	Elevated urinary podocyte-derived extracellular microvesicles in renovascular hypertensive patients. 2017 , 32, 800-807	34
1437	Isolation of extracellular vesicle from blood plasma using electrophoretic migration through porous membrane. 2016 , 233, 289-297	60
1436	Extracellular vesicles in neurodegenerative disease - pathogenesis to biomarkers. 2016 , 12, 346-57	190
1435	Comparison of two endogenous delivery agents in cancer therapy: Exosomes and ferritin. 2016 , 110, 1-9	23
1434	Extracellular Vesicles as Cancer Biomarkers in Circulation. 2016 , 233-260	1
1433	Recent progress toward the use of circulating microRNAs as clinical biomarkers. 2016 , 90, 2959-2978	71
1432	Electrochemical Sandwich Immunosensor for Determination of Exosomes Based on Surface Marker-Mediated Signal Amplification. 2016 , 88, 10466-10473	118
1431	Extracellular Vesicles in the Intrauterine Environment: Challenges and Potential Functions. 2016 , 95, 109	43
1430	Extracellular Vesicles and Vascular Injury: New Insights for Radiation Exposure. 2016 , 186, 203-18	28
1429	Selective release of muscle-specific, extracellular microRNAs during myogenic differentiation. 2016 , 25, 3960-3974	29
1428	Comprehensive Proteomic Analysis of Human Milk-derived Extracellular Vesicles Unveils a Novel Functional Proteome Distinct from Other Milk Components. 2016 , 15, 3412-3423	77
1427	Elucidating diversity of exosomes: biophysical and molecular characterization methods. 2016 , 11, 2359-77	52

1426	Therapeutic and diagnostic applications of extracellular vesicles. 2016 , 244, 167-183	90
1425	Exosomes from the tumor microenvironment as reciprocal regulators that enhance prostate cancer progression. 2016 , 23, 734-44	25
1424	The Future of Precision Medicine in Oncology. 2016 , 36, 557-73	29
1423	Measurement of extracellular vesicles and other submicron size particles by flow cytometry. 2016 , 89, 109-10	11
1422	Comprehensive Proteomic Analysis of Mesenchymal Stem Cell Exosomes Reveals Modulation of Angiogenesis via Nuclear Factor-KappaB Signaling. 2016 , 34, 601-13	304
1421	Circulating extracellular vesicles: Their role in tissue repair and regeneration. 2016 , 55, 53-61	23
1420	Macrophage Exosomes Induce Placental Inflammatory Cytokines: A Novel Mode of Maternal-Placental Messaging. 2016 , 17, 168-78	70
1419	Exosomes in carcinogenesis: molecular palkis carry signals for the regulation of cancer progression and metastasis. 2016 , 10, 241-249	17
1418	Extracellular vesicles are transferred from melanocytes to keratinocytes after UVA irradiation. 2016 , 6, 27890	24
1417	Emerging roles of extracellular vesicles in neurodegenerative disorders: focus on HIV-associated neurological complications. 2016 , 7, e2481	34
1416	Mast Cell Degranulation Is Accompanied by the Release of a Selective Subset of Extracellular Vesicles That Contain Mast Cell-Specific Proteases. 2016 , 197, 3382-3392	36
1415	Extracellular vesicles in liver pathobiology: Small particles with big impact. 2016 , 64, 2219-2233	123
1414	Calpain Activity Is Essential for ATP-Driven Unconventional Vesicle-Mediated Protein Secretion and Inflammasome Activation in Human Macrophages. 2016 , 197, 3315-3325	42
1413	The choice of endogenous controls in exosomal microRNA assessments from biofluids. 2016 , 37, 11657-11665	36
1412	Low-density lipoprotein mimics blood plasma-derived exosomes and microvesicles during isolation and detection. 2016 , 6, 24316	263
1411	Trehalose prevents aggregation of exosomes and cryodamage. 2016 , 6, 36162	152
1410	Extracellular Vesicle-Associated A β Mediates Trans-Neuronal Bioenergetic and Ca-Handling Deficits in Alzheimer's Disease Models. 2016 , 2,	69
1409	Translational radionanomedicine: a clinical perspective. 2016 , 8,	13

1408	Microvesicles in Autoimmune Diseases. 2016 , 77, 125-175	32
1407	Detecting individual extracellular vesicles using a multicolor in situ proximity ligation assay with flow cytometric readout. 2016 , 6, 34358	36
1406	Extracellular vesicles in diagnosis and therapy of kidney diseases. 2016 , 311, F844-F851	91
1405	The proteomic landscape of renal tumors. 2016 , 13, 1103-1120	11
1404	Size-Exclusion Chromatography-based isolation minimally alters Extracellular Vesicles' characteristics compared to precipitating agents. 2016 , 6, 33641	251
1403	Isolation and mass spectrometry analysis of urinary extraexosomal proteins. 2016 , 6, 36331	32
1402	Beyond the Ribosome: Extra-translational Functions of tRNA Fragments. 2016 , 11, 1-8	22
1401	Isolation of Exosomes from the Plasma of HIV-1 Positive Individuals. 2016 ,	36
1400	Macrophage-derived microvesicles' pathogenic role in acute lung injury. 2016 , 71, 975-976	2
1399	Modulation of Immune Responses by Exosomes Derived from Antigen-Presenting Cells. 2016 , 9, 1-8	46
1398	Immunosuppressive effect of mesenchymal stem cell-derived exosomes on a concanavalin A-induced liver injury model. 2016 , 36, 26	78
1397	The Role of Isolation Methods on a Nanoscale Surface Structure and its Effect on the Size of Exosomes. 2016 , 5, 11	24
1396	Addition of thrombin reduces the recovery of extracellular vesicles from blood plasma. 2016 , 5, 1849454416663648	4
1395	Protein Complexes in Urine Interfere with Extracellular Vesicle Biomarker Studies. 2016 , 5, 4	30
1394	Analytical challenges of extracellular vesicle detection: A comparison of different techniques. 2016 , 89, 123-34	134
1393	Liquid Biopsies in Oncology and the Current Regulatory Landscape. 2016 , 20, 429-36	12
1392	MSC surface markers (CD44, CD73, and CD90) can identify human MSC-derived extracellular vesicles by conventional flow cytometry. 2016 , 14, 2	137
1391	Analysis of Extracellular Vesicles Using Magnetic Nanoparticles in Blood of Patients with Acute Coronary Syndrome. 2016 , 81, 382-391	5

1390	MicroRNA transport in cardiovascular complication of diabetes. 2016 , 1861, 2111-2120	15
1389	Microvesicles and exosomes: new players in metabolic and cardiovascular disease. 2016 , 228, R57-71	220
1388	Human Endometrial Exosomes Contain Hormone-Specific Cargo Modulating Trophoblast Adhesive Capacity: Insights into Endometrial-Embryo Interactions. 2016 , 94, 38	140
1387	The prognostic impact of soluble and vesicular HLA-G and its relationship to circulating tumor cells in neoadjuvant treated breast cancer patients. 2016 , 77, 791-9	48
1386	Enumeration of extracellular vesicles by a new improved flow cytometric method is comparable to fluorescence mode nanoparticle tracking analysis. 2016 , 12, 977-986	22
1385	Chromatography and its hyphenation to mass spectrometry for extracellular vesicle analysis. 2016 , 1439, 26-41	28
1384	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. 2016 , 10, 3886-99	304
1383	ExRNA in Biofluids as Biomarkers for Brain Tumors. 2016 , 36, 353-60	18
1382	Exosomes induce and reverse monocrotaline-induced pulmonary hypertension in mice. 2016 , 110, 319-30	142
1381	βSynuclein in Extracellular Vesicles: Functional Implications and Diagnostic Opportunities. 2016 , 36, 437-48	46
1380	Ultrasensitive microfluidic analysis of circulating exosomes using a nanostructured graphene oxide/polydopamine coating. 2016 , 16, 3033-42	217
1379	Neurovesicles in Brain Development. 2016 , 36, 409-16	9
1378	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. 2016 , 16, 859-71	115
1377	Extracellular vesicle transfer of cancer pathogenic components. 2016 , 107, 385-90	134
1376	Exosomal microRNA Biomarkers: Emerging Frontiers in Colorectal and Other Human Cancers. 2016 , 16, 553-67	50
1375	Extracellular vesicles in ovarian cancer: applications to tumor biology, immunotherapy and biomarker discovery. 2016 , 13, 395-409	46
1374	Evaluation of electroporation-induced adverse effects on adipose-derived stem cell exosomes. 2016 , 68, 2125-38	77
1373	Fibronectin on the Surface of Myeloma Cell-derived Exosomes Mediates Exosome-Cell Interactions. 2016 , 291, 1652-1663	156

1372	Extracellular vesicles [New tool for joint repair and regeneration. 2016 , 12, 243-9	100
1371	Role of extracellular vesicles in autoimmune diseases. 2016 , 15, 174-83	86
1370	Extracellular vesicles: Pharmacological modulators of the peripheral and central signals governing obesity. 2016 , 157, 65-83	20
1369	High-throughput profiling for discovery of non-coding RNA biomarkers of lung disease. 2016 , 16, 173-85	3
1368	Extracellular Vesicles in Renal Diseases: More than Novel Biomarkers?. 2016 , 27, 12-26	132
1367	Systematic review of factors influencing extracellular vesicle yield from cell cultures. 2016 , 68, 579-92	59
1366	Emerging techniques in the isolation and characterization of extracellular vesicles and their roles in cancer diagnostics and prognostics. 2016 , 141, 371-81	75
1365	Exosomes as new diagnostic tools in CNS diseases. 2016 , 1862, 403-10	117
1364	Development of a magnetic bead-based method for the collection of circulating extracellular vesicles. 2016 , 33, 116-22	25
1363	Plasmonic Exosome Biosensors for Medical Diagnostics. 2016 , 249-272	
1362	Conceptus implantation and placentation: molecules related to epithelial-mesenchymal transition, lymphocyte homing, endogenous retroviruses, and exosomes. 2016 , 15, 1-11	10
1361	Fluorescence triggering: A general strategy for enumerating and phenotyping extracellular vesicles by flow cytometry. 2016 , 89, 184-95	109
1360	Release and cellular origin of extracellular vesicles during circulation of whole blood over adsorbent polymers for lipid apheresis. 2017 , 105, 636-646	9
1359	MicroRNAs in extracellular vesicles: potential cancer biomarkers. 2017 , 62, 67-74	80
1358	Extracellular vesicles from activated platelets: a semiquantitative cryo-electron microscopy and immuno-gold labeling study. 2017 , 28, 263-271	94
1357	Exodisc for Rapid, Size-Selective, and Efficient Isolation and Analysis of Nanoscale Extracellular Vesicles from Biological Samples. 2017 , 11, 1360-1370	169
1356	Disruption of Circulating Extracellular Vesicles as a Novel Therapeutic Strategy against Cancer Metastasis. 2017 , 25, 181-191	117
1355	Extracellular vesicles for nucleic acid delivery: progress and prospects for safe RNA-based gene therapy. 2017 , 24, 157-166	84

1354	Mesenchymal stem cell transplantation in tight-skin mice identifies miR-151-5p as a therapeutic target for systemic sclerosis. 2017 , 27, 559-577	59
1353	Extracellular vesicles in coronary artery disease. 2017 , 14, 259-272	276
1352	Exosomes: Key mediators of metastasis and pre-metastatic niche formation. 2017 , 67, 3-10	144
1351	Extracellular vesicle communication pathways as regulatory targets of oncogenic transformation. 2017 , 67, 11-22	81
1350	Dimensional characterization of extracellular vesicles using atomic force microscopy. 2017 , 28, 034006	35
1349	Extracellular Vesicles: How the External and Internal Environment Can Shape Cell-To-Cell Communication. 2017 , 4, 30-37	31
1348	Concentration-Normalized Electroanalytical Assaying of Exosomal Markers. 2017 , 89, 3184-3190	45
1347	Review: Extracellular Vesicles in Joint Inflammation. 2017 , 69, 1350-1362	15
1346	MVP-mediated exosomal sorting of miR-193a promotes colon cancer progression. 2017 , 8, 14448	254
1345	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1286095	16.4 410
1344	Extracellular proteasome-osteopontin circuit regulates cell migration with implications in multiple sclerosis. 2017 , 7, 43718	29
1343	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. 2017 , 14, 228-232	560
1342	The emerging role of exosome and microvesicle- (EMV-) based cancer therapeutics and immunotherapy. 2017 , 141, 428-436	52
1341	Applicability of extracellular vesicles in clinical studies. 2017 , 47, 305-313	13
1340	The role of pancreatic cancer-derived exosomes in cancer progress and their potential application as biomarkers. 2017 , 19, 921-930	28
1339	Analysis of platelet-derived extracellular vesicles in plateletpheresis concentrates: a multicenter study. 2017 , 57, 1459-1469	11
1338	Database-augmented Mass Spectrometry Analysis of Exosomes Identifies Claudin 3 as a Putative Prostate Cancer Biomarker. 2017 , 16, 998-1008	42
1337	Urinary extracellular vesicles. A promising shortcut to novel biomarker discoveries. 2017 , 369, 217-227	29

1336	Extracellular Vesicles: Isolation Methods. 2017 , 1, e1700040		22
1335	Prospects and limitations of antibody-mediated clearing of lipoproteins from blood plasma prior to nanoparticle tracking analysis of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1308779 ^{16.4}	16.4	31
1334	Methodological Guidelines to Study Extracellular Vesicles. 2017 , 120, 1632-1648		490
1333	Exosomes maintain cellular homeostasis by excreting harmful DNA from cells. 2017 , 8, 15287		368
1332	Augmented liver targeting of exosomes by surface modification with cationized pullulan. 2017 , 57, 274-284		68
1331	Cell-Free Urinary MicroRNAs Expression in Small-Scale Experiments. 2017 , 1580, 99-106		1
1330	Cooperative tumour cell membrane targeted phototherapy. 2017 , 8, 15880		29
1329	Labeling Extracellular Vesicles for Nanoscale Flow Cytometry. 2017 , 7, 1878		185
1328	Extracellular Vesicles in Cardiovascular Disease: Potential Applications in Diagnosis, Prognosis, and Epidemiology. 2017 , 120, 1649-1657		127
1327	Extracellular vesicles in liver disease and potential as biomarkers and therapeutic targets. 2017 , 14, 455-466		144
1326	Confounding factors of ultrafiltration and protein analysis in extracellular vesicle research. 2017 , 7, 2704		112
1325	Platelet extracellular vesicles induce a pro-inflammatory smooth muscle cell phenotype. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1322454	16.4	49
1324	Extracellular vesicles in the tumor microenvironment: Therapeutic resistance, clinical biomarkers, and targeting strategies. 2017 , 37, 1318-1349		30
1323	Methods to isolate extracellular vesicles for diagnosis. 2017 , 5,		36
1322	Proceedings of the ISEV symposium on "HIV, NeuroAIDS, drug abuse & EVs". <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1294360	16.4	2
1321	Placental Exosomes as Early Biomarker of Preeclampsia: Potential Role of Exosomal MicroRNAs Across Gestation. 2017 , 102, 3182-3194		156
1320	Extracellular vesicles do not contribute to higher circulating levels of soluble LRP1 in idiopathic dilated cardiomyopathy. 2017 , 21, 3000-3009		8
1319	High glucose increases the formation and pro-oxidative activity of endothelial microparticles. 2017 , 60, 1791-1800		56

1318	Evaluation of Tumor-Derived Exosomal miRNA as Potential Diagnostic Biomarkers for Early-Stage Non-Small Cell Lung Cancer Using Next-Generation Sequencing. 2017 , 23, 5311-5319	293
1317	Exosomes: New Biomarkers for Targeted Cancer Therapy. 2017 , 129-157	5
1316	Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. 2017 , 108, 334-344	48
1315	Extracellular Vesicle-functionalized Decalcified Bone Matrix Scaffolds with Enhanced Pro-angiogenic and Pro-bone Regeneration Activities. 2017 , 7, 45622	84
1314	Synaptic vesicles isolated from the electric organ of and from the central nervous system of contain small ribonucleic acids (sRNAs). 2017 , 12, 52-53	1
1313	Systematic evaluation of immune regulation and modulation. 2017 , 5, 21	15
1312	Bead-based flow-cytometry for semi-quantitative analysis of complex membrane vesicle populations released by bacteria and host cells. 2017 , 200, 25-32	13
1311	Exosomes and Exosomal MicroRNAs in Prostate Cancer Radiation Therapy. 2017 , 98, 982-995	41
1310	Markers of endothelial damage in patients with chronic kidney disease on hemodialysis. 2017 , 312, F673-F681	23
1309	Detection of platelet vesicles by flow cytometry. 2017 , 28, 256-262	47
1308	Exosomes: a new horizon in lung cancer. 2017 , 22, 927-936	64
1307	Emerging applications of exosomes in cancer therapeutics and diagnostics. 2017 , 2, 70-80	40
1306	Decorrelation correction for nanoparticle tracking analysis of dilute polydisperse suspensions in bulk flow. 2017 , 95, 033305	4
1305	Pellet-free isolation of human and bovine milk extracellular vesicles by size-exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1294340	16.4 71
1304	Achieving the Promise of Therapeutic Extracellular Vesicles: The Devil is in Details of Therapeutic Loading. 2017 , 34, 1053-1066	62
1303	Emerging role of extracellular vesicles in communication of preimplantation embryos in vitro. 2016 , 29, 66-83	17
1302	The association of exosomes with lymph nodes. 2017 , 67, 29-38	26
1301	Microfluidic approaches for isolation, detection, and characterization of extracellular vesicles: Current status and future directions. 2017 , 91, 588-605	122

1300	Size-dependent cellular uptake of exosomes. 2017 , 13, 1011-1020	75
1299	Methods to Analyze EVs. 2017 , 1545, 1-20	20
1298	Preparation and Isolation of siRNA-Loaded Extracellular Vesicles. 2017 , 1545, 197-204	4
1297	Imaging and Quantification of Extracellular Vesicles by Transmission Electron Microscopy. 2017 , 1545, 43-54	36
1296	A Protocol for Isolation and Proteomic Characterization of Distinct Extracellular Vesicle Subtypes by Sequential Centrifugal Ultrafiltration. 2017 , 1545, 91-116	48
1295	Isolation and characterization of urinary extracellular vesicles: implications for biomarker discovery. 2017 , 13, 731-749	208
1294	Can We Cure Bronchopulmonary Dysplasia?. 2017 , 191, 12-14	10
1293	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Provide Long-Term Survival After Total Body Irradiation Without Additional Hematopoietic Stem Cell Support. 2017 , 35, 2379-2389	35
1292	The Multifaceted Functions of Exosomes in Health and Disease: An Overview. 2017 , 998, 3-19	34
1291	Isolation and characterization of exosomes from blood plasma of breast cancer and colorectal cancer patients. 2017 , 11, 291-295	3
1290	Cardioprotective Effects of Exosomes and Their Potential Therapeutic Use. 2017 , 998, 163-177	2
1289	Assessment of Extracellular Vesicles Purity Using Proteomic Standards. 2017 , 89, 11070-11075	14
1288	Hydrogel microchip as a tool for studying exosomes in human serum. 2017 , 51, 712-717	7
1287	Glioblastoma stem-like cells secrete the pro-angiogenic VEGF-A factor in extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1359479	16.4 137
1286	Extracellular Vesicle Isolation and Analysis by Western Blotting. 2017 , 1660, 143-152	48
1285	Therapeutic Applications of Extracellular Vesicles: Perspectives from Newborn Medicine. 2017 , 1660, 409-432	25
1284	Analysis of Extracellular Vesicles Using Fluorescence Nanoparticle Tracking Analysis. 2017 , 1660, 153-173	44
1283	Characterization of Extracellular Vesicles by Size-Exclusion High-Performance Liquid Chromatography (HPLC). 2017 , 1660, 191-199	8

1282	Extraction and Analysis of Extracellular Vesicle-Associated miRNAs Following Antibody-Based Extracellular Vesicle Capture from Plasma Samples. 2017 , 1660, 269-285		6
1281	Protocol for Exosome Isolation from Small Volume of Ovarian Follicular Fluid: Evaluation of Ultracentrifugation and Commercial Kits. 2017 , 1660, 321-341		17
1280	Isolation of Extracellular Vesicles by Ultracentrifugation. 2017 , 1660, 25-32		75
1279	The Use of Peripheral Extracellular Vesicles for Identification of Molecular Biomarkers in a Solid Tumor Mouse Model. 2017 , 1660, 397-406		
1278	Sequential Filtration: A Gentle Method for the Isolation of Functional Extracellular Vesicles. 2017 , 1660, 33-41		33
1277	Paper-Based for Isolation of Extracellular Vesicles. 2017 , 1660, 43-54		2
1276	Polymer-Based Purification of Extracellular Vesicles. 2017 , 1660, 91-103		25
1275	Size Exclusion Chromatography: A Simple and Reliable Method for Exosome Purification. 2017 , 1660, 105-110		30
1274	Extracellular vesicles derived from T regulatory cells suppress T cell proliferation and prolong allograft survival. 2017 , 7, 11518		49
1273	Extracellular vesicle-packaged miRNA release after short-term exposure to particulate matter is associated with increased coagulation. 2017 , 14, 32		60
1272	Field-Effect Biosensors for On-Site Detection: Recent Advances and Promising Targets. 2017 , 6, 1700796		32
1271	Circulating exosome microRNA associated with heart failure secondary to myxomatous mitral valve disease in a naturally occurring canine model. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1350088	16.4	40
1270	Analysis of extracellular RNA in cerebrospinal fluid. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1317577	16.4	39
1269	Extracellular vesicles released following heat stress induce bystander effect in unstressed populations. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1340746	16.4	42
1268	Evaluation and diagnostic potential of circulating extracellular vesicle-associated microRNAs in adrenocortical tumors. 2017 , 7, 5474		33
1267	Urinary Extracellular Vesicles of Podocyte Origin and Renal Injury in Preeclampsia. 2017 , 28, 3363-3372		38
1266	Recent advances on extracellular vesicles in therapeutic delivery: Challenges, solutions, and opportunities. 2017 , 119, 381-395		26
1265	Concise Review: Developing Best-Practice Models for the Therapeutic Use of Extracellular Vesicles. 2017 , 6, 1730-1739		177

1264	Isolation and Characterization of Microvesicles from Peripheral Blood. 2017,		24
1263	Transfer of Mammary Gland-forming Ability Between Mammary Basal Epithelial Cells and Mammary Luminal Cells via Extracellular Vesicles/Exosomes. 2017,		1
1262	Endothelial Dysfunction in Severe Preeclampsia is Mediated by Soluble Factors, Rather than Extracellular Vesicles. 2017, 7, 5887		34
1261	Microfluidics for exosome isolation and analysis: enabling liquid biopsy for personalized medicine. 2017, 17, 3558-3577		306
1260	A method for extracting and characterizing RNA from urine: For downstream PCR and RNAseq analysis. 2017, 536, 8-15		3
1259	Different Potential of Extracellular Vesicles to Support Thrombin Generation: Contributions of Phosphatidylserine, Tissue Factor, and Cellular Origin. 2017, 7, 6522		67
1258	Size and concentration analyses of extracellular vesicles by nanoparticle tracking analysis: a variation study. <i>Journal of Extracellular Vesicles, 2017, 6, 1344087</i>	16.4	127
1257	A subset of extracellular vesicles carries the bulk of microRNAs in commercial dairy cow's milk. <i>Journal of Extracellular Vesicles, 2017, 6, 1401897</i>	16.4	50
1256	Confounding factors in vesicle uptake studies using fluorescent lipophilic membrane dyes. <i>Journal of Extracellular Vesicles, 2017, 6, 1388731</i>	16.4	102
1255	Proceedings of the 2017 ISEV symposium on "HIV, NeuroHIV, drug abuse, & EVs". 2017, 23, 935-940		4
1254	Proteomic profiling of extracellular vesicles secreted from <i>Toxoplasma gondii</i> . 2017, 17, 1600477		23
1253	Isolation of membrane vesicles from prokaryotes: a technical and biological comparison reveals heterogeneity. <i>Journal of Extracellular Vesicles, 2017, 6, 1324731</i>	16.4	48
1252	Secretome of in vitro cultured human embryos contains extracellular vesicles that are uptaken by the maternal side. 2017, 7, 5210		82
1251	Field-Free Isolation of Exosomes from Extracellular Vesicles by Microfluidic Viscoelastic Flows. 2017, 11, 6968-6976		245
1250	PRAS40 Connects Microenvironmental Stress Signaling to Exosome-Mediated Secretion. 2017, 37,		23
1249	Characterization of Natural IgM Antibodies Recognizing Oxidation-Specific Epitopes on Circulating Microvesicles. 2017, 1643, 147-154		1
1248	Extracellular vesicles are independent metabolic units with asparaginase activity. 2017, 13, 951-955		70
1247	The emergent role of exosomes in glioma. 2017, 35, 13-23		86

1246	Analyzing the miRNA content of extracellular vesicles by fluorescence nanoparticle tracking. 2017 , 13, 765-770	18
1245	Effect of shear stress in the flow through the sampling needle on concentration of nanovesicles isolated from blood. 2017 , 98, 17-29	16
1244	Characterization and prognostic relevance of circulating microvesicles in chronic lymphocytic leukemia. 2017 , 58, 1424-1432	32
1243	Proteomic insights into extracellular vesicle biology - defining exosomes and shed microvesicles. 2017 , 14, 69-95	89
1242	Isolation and Characterization of Exosomes Released by EBV-Immortalized Cells. 2017 , 1532, 147-158	4
1241	Contribution of pericyte paracrine regulation of the endothelium to angiogenesis. 2017 , 171, 56-64	44
1240	Comprehensive proteome profiling of glioblastoma-derived extracellular vesicles identifies markers for more aggressive disease. 2017 , 131, 233-244	64
1239	KeepEX, a simple dilution protocol for improving extracellular vesicle yields from urine. 2017 , 98, 30-39	41
1238	Methods for the physical characterization and quantification of extracellular vesicles in biological samples. 2017 , 1861, 3164-3179	102
1237	Flow analysis of individual blood extracellular vesicles in acute coronary syndrome. 2017 , 28, 165-173	11
1236	Vesicles in Nature and the Laboratory: Elucidation of Their Biological Properties and Synthesis of Increasingly Complex Synthetic Vesicles. 2017 , 56, 3142-3160	55
1235	Applications of Extracellular RNAs in Oncology. 2017 , 21, 1-11	7
1234	Imaging flow cytometry for the characterization of extracellular vesicles. 2017 , 112, 55-67	62
1233	Concise Review: Mesenchymal Stem (Stromal) Cells: Biology and Preclinical Evidence for Therapeutic Potential for Organ Dysfunction Following Trauma or Sepsis. 2017 , 35, 316-324	91
1232	The impact of citrate concentration on adhesion of platelets and leukocytes to adsorbents in whole blood lipoprotein apheresis. 2017 , 32, 375-383	8
1231	Functional Roles for Exosomal MicroRNAs in the Tumour Microenvironment. 2017 , 15, 8-13	53
1230	Syncytiotrophoblast extracellular vesicles - Circulating biopsies reflecting placental health. 2017 , 52, 134-138	54
1229	Update of syncytiotrophoblast derived extracellular vesicles in normal pregnancy and preeclampsia. 2017 , 119, 98-106	101

1228	Extracellular Vesicles: Immunomodulatory messengers in the context of tissue repair/regeneration. 2017 , 98, 86-95		63
1227	Is your article EV-TRACKed?. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1379835	16.4	16
1226	Microvesicles in vascular homeostasis and diseases. Position Paper of the European Society of Cardiology (ESC) Working Group on Atherosclerosis and Vascular Biology. 2017 , 117, 1296-1316		143
1225	Extracellular vesicles yield predictive pre-eclampsia biomarkers. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1408390	16.4	14
1224	Endothelial- and Immune Cell-Derived Extracellular Vesicles in the Regulation of Cardiovascular Health and Disease. 2017 , 2, 790-807		77
1223	Isolation and characterization of exosomes from blood of patients with mastopathy and breast cancer. 2017 ,		0
1222	Decoding the Role of Extracellular Vesicles in Liver Diseases. 2017 , 1, 147-155		15
1221	Ion-exchange chromatography purification of extracellular vesicles. 2017 , 63, 65-71		40
1220	Mining Extracellular Vesicles for Clinically Relevant Noninvasive Diagnostic Biomarkers in Cancer. 2017 ,		1
1219	Endothelial Extracellular Vesicles-Promises and Challenges. 2017 , 8, 275		58
1218	Exosomes: A Rising Star in Falling Hearts. 2017 , 8, 494		31
1217	Long Distance Metabolic Regulation through Adipose-Derived Circulating Exosomal miRNAs: A Trail for RNA-Based Therapies?. 2017 , 8, 545		33
1216	Extracellular Vesicle MicroRNA Transfer in Lung Diseases. 2017 , 8, 1028		58
1215	Genome-Wide lncRNA Microarray Profiling Identifies Novel Circulating lncRNAs for Detection of Gastric Cancer. 2017 , 7, 213-227		121
1214	Progress in Exosome Isolation Techniques. 2017 , 7, 789-804		826
1213	Mesenchymal Stem/Stromal Cells as Biological Factories. 2017 , 121-154		1
1212	Extracellular Vesicles in Cardiovascular Theranostics. 2017 , 7, 4168-4182		87
1211	Placenta-derived exosomes: potential biomarkers of preeclampsia. 2017 , 12, 8009-8023		60

1210	Exosomes and Other Extracellular Vesicles in HPV Transmission and Carcinogenesis. 2017 , 9,	36
1209	RNA Biomarkers: Frontier of Precision Medicine for Cancer. 2017 , 3,	73
1208	Tumour-derived exosomes as a signature of pancreatic cancer - liquid biopsies as indicators of tumour progression. 2017 , 8, 17279-17291	55
1207	A Perspective on Extracellular Vesicles Proteomics. 2017 , 5, 102	67
1206	Exosomes in Cancer Diagnostics. 2017 , 9,	200
1205	Small RNAs in Circulating Exosomes of Cancer Patients: A Minireview. 2017 , 6,	14
1204	Toward Exosome-Based Therapeutics: Isolation, Heterogeneity, and Fit-for-Purpose Potency. 2017 , 4, 63	126
1203	Extracellular Vesicles as Protagonists of Diabetic Cardiovascular Pathology. 2017 , 4, 71	28
1202	Platelet-Derived Microvesicles in Cardiovascular Diseases. 2017 , 4, 74	77
1201	Therapeutic Development of Mesenchymal Stem Cells or Their Extracellular Vesicles to Inhibit Autoimmune-Mediated Inflammatory Processes in Systemic Lupus Erythematosus. 2017 , 8, 526	34
1200	Serum and Extracellular Vesicle MicroRNAs miR-423, miR-199, and miR-93* As Biomarkers for Acute Graft-versus-Host Disease. 2017 , 8, 1446	22
1199	BL23 Produces Microvesicles Carrying Proteins That Have Been Associated with Its Probiotic Effect. 2017 , 8, 1783	41
1198	Tau Oligomers: Cytotoxicity, Propagation, and Mitochondrial Damage. 2017 , 9, 83	132
1197	A Refined Bead-Free Method to Identify Astrocytic Exosomes in Primary Glial Cultures and Blood Plasma. 2017 , 11, 335	21
1196	Potential Role of Exosomes in Mending a Broken Heart: Nanoshuttles Propelling Future Clinical Therapeutics Forward. 2017 , 2017, 5785436	29
1195	Variety of RNAs in Peripheral Blood Cells, Plasma, and Plasma Fractions. 2017 , 2017, 7404912	36
1194	EV-Associated MMP9 in High-Grade Serous Ovarian Cancer Is Preferentially Localized to Annexin V-Binding EVs. 2017 , 2017, 9653194	30
1193	A transwell assay that excludes exosomes for assessment of tunneling nanotube-mediated intercellular communication. 2017 , 15, 46	15

1192	Monitoring multiple myeloma by idiotype-specific peptide binders of tumor-derived exosomes. 2017 , 16, 159	44
1191	Are exosomes the vehicle for protein aggregate propagation in neurodegenerative diseases?. 2017 , 5, 64	37
1190	Saliva-Exosomics in Cancer: Molecular Characterization of Cancer-Derived Exosomes in Saliva. 2017 , 42, 125-151	43
1189	Exosome Isolation: Is There an Optimal Method with Regard to Diagnosis or Treatment?. 2017 ,	2
1188	Microvesicle Involvement in Shiga Toxin-Associated Infection. 2017 , 9,	16
1187	Hypoxia promotes IL-32 expression in myeloma cells, and high expression is associated with poor survival and bone loss. 2017 , 1, 2656-2666	34
1186	Extracellular Vesicles From Mesenchymal Stem Cells and Their Potential in Tumor Therapy. 2017 , 521-549	
1185	Exosome: emerging biomarker in breast cancer. 2017 , 8, 41717-41733	118
1184	Tumor-derived exosomes in ovarian cancer - liquid biopsies for early detection and real-time monitoring of cancer progression. 2017 , 8, 104687-104703	37
1183	Stem cell extracellular vesicles and kidney injury. 2017 , 4, 90	28
1182	Cytochalasin B-induced membrane vesicles convey angiogenic activity of parental cells. 2017 , 8, 70496-70507	21
1181	Microvesicles as Emerging Biomarkers and Therapeutic Targets in Cardiometabolic Diseases. 2018 , 16, 50-62	74
1180	Melanoma exosomes promote mixed M1 and M2 macrophage polarization. 2018 , 105, 63-72	89
1179	Routine Screening Method for Microparticles in Platelet Transfusions. 2018 ,	2
1178	Isolation of Exosome-Like Nanoparticles and Analysis of MicroRNAs Derived from Coconut Water Based on Small RNA High-Throughput Sequencing. 2018 , 66, 2749-2757	40
1177	The biology of extracellular microvesicles. 2018 , 19, 319-327	92
1176	Role of Microvesicles in the Spread of Herpes Simplex Virus 1 in Oligodendrocytic Cells. 2018 , 92,	34
1175	Extracellular vesicles have variable dose-dependent effects on cultured draining cells in the eye. 2018 , 22, 1992-2000	17

1174	Bone marrow niche trafficking of miR-126 controls the self-renewal of leukemia stem cells in chronic myelogenous leukemia. 2018 , 24, 450-462	69
1173	Comparison of commercial exosome isolation kits for circulating exosomal microRNA profiling. 2018 , 410, 3805-3814	81
1172	Circulating exosomal microRNAs in acquired aplastic anemia and myelodysplastic syndromes. 2018 , 103, 1150-1159	19
1171	Cardiac recovery via extended cell-free delivery of extracellular vesicles secreted by cardiomyocytes derived from induced pluripotent stem cells. 2018 , 2, 293-303	157
1170	Urinary extracellular vesicle biomarkers in urological cancers: From discovery towards clinical implementation. 2018 , 99, 236-256	35
1169	Extracellular vesicles: a promising tool for assessment of embryonic competence. 2018 , 30, 171-178	11
1168	Fluorescent label-free quantitative detection of nano-sized bioparticles using a pillar array. 2018 , 9, 1254	31
1167	Extracellular vesicles in mesenchymal stromal cells: A novel therapeutic strategy for stroke. 2018 , 15, 4067-4079	25
1166	Extracellular vesicles as potential biomarkers for alcohol- and drug-induced liver injury and their therapeutic applications. 2018 , 187, 180-194	32
1165	Extracellular vesicles as modulators of wound healing. 2018 , 129, 394-406	68
1164	Emerging roles of extracellular vesicles in cellular senescence and aging. 2018 , 17, e12734	100
1163	Extracellular Vesicles in Human Reproduction in Health and Disease. 2018 , 39, 292-332	85
1162	Exosome-associated tau exacerbates brain functional impairments induced by traumatic brain injury in mice. 2018 , 88, 158-166	12
1161	Manufacturing Exosomes: A Promising Therapeutic Platform. 2018 , 24, 242-256	172
1160	Retinal progenitor cells release extracellular vesicles containing developmental transcription factors, microRNA and membrane proteins. 2018 , 8, 2823	20
1159	The extracellular vesicles-derived from mesenchymal stromal cells: A new therapeutic option in regenerative medicine. 2018 , 119, 8048-8073	60
1158	Aggressive serous epithelial ovarian cancer is potentially propagated by EpCAMCD45 phenotype. 2018 , 37, 2089-2103	30
1157	Ascent of atomic force microscopy as a nanoanalytical tool for exosomes and other extracellular vesicles. 2018 , 29, 132001	53

1156	New Technologies for Analysis of Extracellular Vesicles. 2018 , 118, 1917-1950	581
1155	Optimized Methods to Explore the Mechanistic and Biomarker Potential of Hepatocyte-Derived Exosomes in Drug-Induced Liver Injury. 2018 , 163, 92-100	12
1154	Enrichment of Extracellular Vesicle Subpopulations Via Affinity Chromatography. 2018 , 1740, 109-124	6
1153	Advances in liquid biopsy on-chip for cancer management: Technologies, biomarkers, and clinical analysis. 2018 , 55, 140-162	30
1152	Therapeutic biomaterials based on extracellular vesicles: classification of bio-engineering and mimetic preparation routes. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1422676	16.4 86
1151	Exosomes as secondary inductive signals involved in kidney organogenesis. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1422675	16.4 20
1150	Microparticles produced by human papillomavirus type 16 E7-expressing cells impair antigen presenting cell function and the cytotoxic T cell response. 2018 , 8, 2373	11
1149	Biological Functions and Current Advances in Isolation and Detection Strategies for Exosome Nanovesicles. 2018 , 14, 1702153	217
1148	Extracellular vesicles or free circulating DNA: where to search for BRAF and cKIT mutations?. 2018 , 14, 875-882	17
1147	Extracellular vesicles derived from human embryonic stem cell-MSCs ameliorate cirrhosis in thioacetamide-induced chronic liver injury. 2018 , 233, 9330-9344	59
1146	Prospects in non-invasive assessment of liver fibrosis: Liquid biopsy as the future gold standard?. 2018 , 1864, 1024-1036	29
1145	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. 2018 , 114, 19-34	198
1144	The potential of circulating cell-free RNA as a cancer biomarker: challenges and opportunities. 2018 , 18, 133-145	55
1143	Oral cancer-derived exosomal NAP1 enhances cytotoxicity of natural killer cells via the IRF-3 pathway. 2018 , 76, 34-41	35
1142	Extracellular vesicles characteristics and emerging roles in atherosclerotic cardiovascular disease. 2018 , 85, 213-222	57
1141	Testosterone and FSH modulate Sertoli cell extracellular secretion: Proteomic analysis. 2018 , 476, 1-7	9
1140	Amniotic Fluid Exosome Proteomic Profile Exhibits Unique Pathways of Term and Preterm Labor. 2018 , 159, 2229-2240	65
1139	Cancer Exosomes for Early Pancreatic Cancer Diagnosis and Role in Metastasis. 2018 , 1361-1377	

1138	Differential Interaction of Platelet-Derived Extracellular Vesicles with Leukocyte Subsets in Human Whole Blood. 2018 , 8, 6598	29
1137	The Authors Reply. 2018 , 29, 1784-1785	12
1136	The Fas/Fap-1/Cav-1 complex regulates IL-1RA secretion in mesenchymal stem cells to accelerate wound healing. 2018 , 10,	68
1135	Therapeutic Potential of Engineered Extracellular Vesicles. 2018 , 20, 50	94
1134	A pharmaceutical investigation into exosomes. 2018 , 48, 617-626	8
1133	Exosomes as a biomarker platform for detecting epidermal growth factor receptor-positive high-grade gliomas. 2018 , 128, 1091-1101	52
1132	MicroRNAs and extracellular vesicles in cholangiopathies. 2018 , 1864, 1293-1307	27
1131	Nucleic acid loading and fluorescent labeling of isolated extracellular vesicles requires adequate purification. 2018 , 548, 783-792	15
1130	Identification of E6/E7-Dependent MicroRNAs in HPV-Positive Cancer Cells. 2018 , 1699, 119-134	8
1129	Purification and Identification of Membrane Proteins from Urinary Extracellular Vesicles using Triton X-114 Phase Partitioning. 2018 , 17, 86-96	10
1128	Evidence of Extracellular Vesicles Biogenesis and Release in Mouse Embryonic Stem Cells. 2018 , 14, 262-276	10
1127	Bariatric Surgery Is Accompanied by Changes in Extracellular Vesicle-Associated and Plasma Fatty Acid Binding Protein 4. 2018 , 28, 767-774	12
1126	Phagocytosis of microparticles by alveolar macrophages during acute lung injury requires MerTK. 2018 , 314, L69-L82	30
1125	Elevated levels of extracellular vesicles are associated with therapy failure and disease progression in breast cancer patients undergoing neoadjuvant chemotherapy. 2017 , 7, e1376153	47
1124	Preservation and Storage Stability of Extracellular Vesicles for Therapeutic Applications. 2017 , 20, 1	154
1123	Methods to Enrich Exosomes from Conditioned Media and Biological Fluids. 2018 , 1710, 103-115	14
1122	Nanoparticle orientation to control RNA loading and ligand display on extracellular vesicles for cancer regression. 2018 , 13, 82-89	216
1121	Technical challenges of working with extracellular vesicles. 2018 , 10, 881-906	236

1120	Extracellular Vesicles and Cancer: Caveat Lector. 2018 , 2, 395-411	33
1119	The influence of tumour-derived extracellular vesicles on local and distal metastatic dissemination. 2018 , 60, 15-26	59
1118	Exosomes and cardioprotection - A critical analysis. 2018 , 60, 104-114	61
1117	RF Electrical Detection and Characterization of Exosomes Released from Epstein-Barr Virus Infected and Uninfected Cells. 2018 ,	
1116	Improving the Patency of Jugular Vein Catheters in Sprague-Dawley Rats by Using an Antiseptic Nitrocellulose Coating. 2018 , 57, 520-528	6
1115	Daily rhythms influence the ability of lung-derived extracellular vesicles to modulate bone marrow cell phenotype. 2018 , 13, e0207444	6
1114	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. 2018 , 3,	31
1113	Clinical significance of exosomal miRNAs and proteins in three human cancers with high mortality in China. 2019 , 17, 11-22	12
1112	Extracellular vesicles as circulating cancer biomarkers: opportunities and challenges. 2018 , 7, 14	117
1111	Alk5/Runx1 signaling mediated by extracellular vesicles promotes vascular repair in acute respiratory distress syndrome. 2018 , 7, 19	18
1110	Therapeutic potential of products derived from mesenchymal stem/stromal cells in pulmonary disease. 2018 , 19, 218	60
1109	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. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4 3642
1108	Pre-analytical influences on the population heterogeneity of human extracellular vesicles sourced for nanomedicine uses. 2018 , 13, 2669-2674	5
1107	Extracellular microRNAs profile in human follicular fluid and IVF outcomes. 2018 , 8, 17036	40
1106	Impact of preanalytical conditions on plasma concentration and size distribution of extracellular vesicles using Nanoparticle Tracking Analysis. 2018 , 8, 17216	28
1105	Extraction and biomolecular analysis of dermal interstitial fluid collected with hollow microneedles. 2018 , 1, 173	78
1104	Extracellular microvesicle microRNAs as predictive biomarkers for targeted therapy in metastatic cutaneous malignant melanoma. 2018 , 13, e0206942	19
1103	Liquid Biopsy Preservation Solutions for Standardized Pre-Analytical Workflows-Venous Whole Blood and Plasma. 2018 , 6, 275-286	42

1102	Roles and Regulation of Extracellular Vesicles in Cardiovascular Mineral Metabolism. 2018 , 5, 187	51
1101	Tangential Flow Filtration for Highly Efficient Concentration of Extracellular Vesicles from Large Volumes of Fluid. 2018 , 7,	142
1100	Large-scale, cross-flow based isolation of highly pure and endocytosis-competent extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1541396	16.4 32
1099	Extracellular Vesicles and the Promise of Continuous Liquid Biopsies. 2018 , 52, 1-8	57
1098	Differences in Intercellular Communication During Clinical Relapse and Gadolinium-Enhanced MRI in Patients With Relapsing Remitting Multiple Sclerosis: A Study of the Composition of Extracellular Vesicles in Cerebrospinal Fluid. 2018 , 12, 418	12
1097	Toward Exosome-Based Neuronal Diagnostic Devices. 2018 , 9,	13
1096	WITHDRAWN: Decoding the role of extracellular vesicles in liver diseases. 2018 ,	
1095	Depletion of Lipid Efflux Pump ABCG1 Triggers the Intracellular Accumulation of Extracellular Vesicles and Reduces Aggregation and Tumorigenesis of Metastatic Cancer Cells. 2018 , 8, 376	37
1094	Blood-Based Cancer Biomarkers in Liquid Biopsy: A Promising Non-Invasive Alternative to Tissue Biopsy. 2018 , 19,	158
1093	Differential Expression of Keratinocyte-Derived Extracellular Vesicle Mirnas Discriminate Exosomes From Apoptotic Bodies and Microvesicles. 2018 , 9, 535	17
1092	The Influence of Pre-Analytical Factors on the Analysis of Circulating MicroRNA. 2018 , 7, 195-203	6
1091	Extracellular Vesicles in Bladder Cancer: Biomarkers and Beyond. 2018 , 19,	16
1090	Methodological Approaches to Study Extracellular Vesicle miRNAs in Epstein-Barr Virus-Associated Cancers. 2018 , 19,	9
1089	Lab-on-Chip for Exosomes and Microvesicles Detection and Characterization. 2018 , 18,	86
1088	Exosomes, Their Biogenesis and Role in Inter-Cellular Communication, Tumor Microenvironment and Cancer Immunotherapy. 2018 , 6,	55
1087	Biocompatible bacteria-derived vesicles show inherent antimicrobial activity. 2018 , 290, 46-55	60
1086	Palmitoylation is a post-translational modification of Alix regulating the membrane organization of exosome-like small extracellular vesicles. 2018 , 1862, 2879-2887	24
1085	Carcinogenic epithelial-mesenchymal transition initiated by oral cancer exosomes is inhibited by anti-EGFR antibody cetuximab. 2018 , 86, 251-257	47

1084	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535745	16.4	35
1083	Endothelial Extracellular Vesicles in Pulmonary Function and Disease. 2018 , 82, 197-256		23
1082	Precipitation with polyethylene glycol followed by washing and pelleting by ultracentrifugation enriches extracellular vesicles from tissue culture supernatants in small and large scales. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1528109	16.4	92
1081	Schwann cell-like differentiated adipose stem cells promote neurite outgrowth via secreted exosomes and RNA transfer. 2018 , 9, 266		63
1080	Understanding extracellular vesicle diversity - current status. 2018 , 15, 887-910		88
1079	Clinical Application of Mesenchymal Stem Cell-Derived Extracellular Vesicle-Based Therapeutics for Inflammatory Lung Diseases. 2018 , 7,		84
1078	NANOmetric BIO-Banked MSC-Derived Exosome (NANOBIOME) as a Novel Approach to Regenerative Medicine. 2018 , 7,		27
1077	Extracellular Vesicles in Hepatobiliary Malignancies. 2018 , 9, 2270		15
1076	Preparation of Extracellular Vesicles from Mesenchymal Stem Cells. 2018 , 37-51		
1075	Extracellular Vesicles: Decoding a New Language for Cellular Communication in Early Embryonic Development. 2018 , 6, 94		27
1074	Extracellular vesicles protect glucuronidase model enzymes during freeze-drying. 2018 , 8, 12377		44
1073	Circulating Extracellular Vesicles in Human Disease. 2018 , 379, 958-966		307
1072	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. 2018 , 118, 9152-9232		176
1071	Detection of micro ribonucleic acids from extracted extracellular vesicles for cardiovascular diseases by using an integrated microfluidic system. 2018 ,		
1070	Microfluidic affinity separation chip for selective capture and release of label-free ovarian cancer exosomes. 2018 , 18, 3144-3153		87
1069	Evidence for Adipocyte-Derived Extracellular Vesicles in the Human Circulation. 2018 , 159, 3259-3267		23
1068	Liquid Biopsies to Monitor Solid Organ Transplant Function: A Review of New Biomarkers. 2018 , 40, 515-525		23
1067	Macrophage Immunomodulation: The Gatekeeper for Mesenchymal Stem Cell Derived-Exosomes in Pulmonary Arterial Hypertension?. 2018 , 19,		34

1066	Extracellular vesicles and encapsulated miRNAs as emerging cancer biomarkers for novel liquid biopsy. 2018 , 48, 869-876	15
1065	Exosomes in Myocardial Repair: Advances and Challenges in the Development of Next-Generation Therapeutics. 2018 , 26, 1635-1643	53
1064	Enzyme-loaded paper combined impedimetric sensor for the determination of the low-level of cholesterol in saliva. 2018 , 271, 73-81	20
1063	HSP-enriched properties of extracellular vesicles involve survival of metastatic oral cancer cells. 2018 , 119, 7350-7362	77
1062	Extracellular vesicles in cancer - implications for future improvements in cancer care. 2018 , 15, 617-638	638
1061	Intricate relationships between naked viruses and extracellular vesicles in the crosstalk between pathogen and host. 2018 , 40, 491-504	24
1060	Human plasma and serum extracellular small RNA reference profiles and their clinical utility. 2018 , 115, E5334-E5343	85
1059	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1473707	16.4 42
1058	Cellular mechanisms responsible for cell-to-cell spreading of prions. 2018 , 75, 2557-2574	17
1057	Exosome isolation from distinct biofluids using precipitation and column-based approaches. 2018 , 13, e0198820	151
1056	Detecting long non-coding RNA biomarkers in prostate cancer liquid biopsies: Hype or hope?. 2018 , 3, 64-74	23
1055	Molecular assessment of circulating exosomes toward liquid biopsy diagnosis of Ewing sarcoma family of tumors. 2018 , 201, 136-153	14
1054	Ultrafiltration and size exclusion chromatography combined with asymmetrical-flow field-flow fractionation for the isolation and characterisation of extracellular vesicles from urine. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1490143	16.4 69
1053	Extracellular vesicles as a recipe for design smart drug delivery systems for cancer therapy. 2018 , 411-445	1
1052	Isolation of Extracellular Vesicles: General Methodologies and Latest Trends. 2018 , 2018, 8545347	476
1051	Extracellular vesicles from endothelial progenitor cells promote thyroid follicle formation. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1487250	16.4 10
1050	Detection and Characterization of Different Brain-Derived Subpopulations of Plasma Exosomes by Surface Plasmon Resonance Imaging. 2018 , 90, 8873-8880	57
1049	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. 2018 , 19, 104	28

1048	Proteomic Toolbox To Standardize the Separation of Extracellular Vesicles and Lipoprotein Particles. 2018 , 17, 3104-3113	14
1047	Highly Efficient Phosphoproteome Capture and Analysis from Urinary Extracellular Vesicles. 2018 , 17, 3308-3316	19
1046	Vesicle-Mediated Control of Cell Function: The Role of Extracellular Matrix and Microenvironment. 2018 , 9, 651	49
1045	Extracellular Vesicles as Markers and Mediators in Sepsis. 2018 , 8, 3348-3365	58
1044	Multiparametric Analysis of Circulating Exosomes and Other Small Extracellular Vesicles by Advanced Imaging Flow Cytometry. 2018 , 9, 1583	59
1043	Role of Extracellular Vesicles in Viral and Bacterial Infections: Pathogenesis, Diagnostics, and Therapeutics. 2018 , 8, 2709-2721	89
1042	Extracellular vesicles and their nucleic acids for biomarker discovery. 2018 , 192, 170-187	49
1041	Exosome Theranostics: Biology and Translational Medicine. 2018 , 8, 237-255	371
1040	Extracellular Vesicles: Packages Sent With Complement. 2018 , 9, 721	60
1039	The Aerobic and Cognitive Exercise Study (ACES) for Community-Dwelling Older Adults With or At-Risk for Mild Cognitive Impairment (MCI): Neuropsychological, Neurobiological and Neuroimaging Outcomes of a Randomized Clinical Trial. 2018 , 10, 76	71
1038	The Exosomal/Total β Synuclein Ratio in Plasma Is Associated With Glucocerebrosidase Activity and Correlates With Measures of Disease Severity in PD Patients. 2018 , 12, 125	41
1037	Can We Engineer a Human Cardiac Patch for Therapy?. 2018 , 123, 244-265	90
1036	Detection of Aggregation-Competent Tau in Neuron-Derived Extracellular Vesicles. 2018 , 19,	86
1035	Noncoding RNAs Carried by Extracellular Vesicles in Endocrine Diseases. 2018 , 2018, 4302096	11
1034	Molecular and functional characterization of circulating extracellular vesicles from diabetic patients with and without retinopathy and healthy subjects. 2018 , 176, 69-77	39
1033	Stability of Circulating Exosomal miRNAs in Healthy Subjects. 2018 , 8, 10306	68
1032	Development of a Highly Sensitive Device for Counting the Number of Disease-Specific Exosomes in Human Sera. 2018 , 64, 1463-1473	35
1031	Extracellular Vesicles: A Novel Target for Exercise-Mediated Reductions in Type 2 Diabetes and Cardiovascular Disease Risk. 2018 , 2018, 7807245	21

1030	Networking of Smart Drugs: A Chem-Bioinformatic Approach to Cancer Treatment. 2018 , 529-555		
1029	Exosome-Based Cell-Cell Communication in the Tumor Microenvironment. 2018 , 6, 18		332
1028	EV, Microvesicles/MicroRNAs and Stem Cells in Cancer. 2018 , 1056, 123-135		2
1027	Extracellular vesicles as mediators of the progression and chemoresistance of pancreatic cancer and their potential clinical applications. 2018 , 17, 2		46
1026	Comparison of membrane affinity-based method with size-exclusion chromatography for isolation of exosome-like vesicles from human plasma. 2018 , 16, 1		208
1025	Investigation of procoagulant activity in extracellular vesicles isolated by differential ultracentrifugation. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1454777	16.4	28
1024	Extracellular vesicles generated by placental tissues ex vivo: A transport system for immune mediators and growth factors. 2018 , 80, e12860		26
1023	Exosomes derived from PEDF modified adipose-derived mesenchymal stem cells ameliorate cerebral ischemia-reperfusion injury by regulation of autophagy and apoptosis. 2018 , 371, 269-277		59
1022	Revascularization and endothelial progenitor cells in stroke. 2018 , 315, C664-C674		28
1021	Metabolic reprogramming of stromal fibroblasts by melanoma exosome microRNA favours a pre-metastatic microenvironment. 2018 , 8, 12905		88
1020	Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. 2018 , 9, 1169		81
1019	Single-Vesicle Assays Using Liposomes and Cell-Derived Vesicles: From Modeling Complex Membrane Processes to Synthetic Biology and Biomedical Applications. 2018 , 118, 8598-8654		74
1018	Protocol for serum exosomal miRNAs analysis in prostate cancer patients treated with radiotherapy. 2018 , 16, 223		43
1017	Detecting miRNA biomarkers from extracellular vesicles for cardiovascular disease with a microfluidic system. 2018 , 18, 2917-2925		31
1016	The dawn of the liquid biopsy in the fight against cancer. 2018 , 9, 2912-2922		63
1015	Large extracellular vesicles carry most of the tumour DNA circulating in prostate cancer patient plasma. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1505403	16.4	169
1014	A Comparison of Traditional and Novel Methods for the Separation of Exosomes from Human Samples. 2018 , 2018, 3634563		88
1013	Nano in nano: Biosynthesized gold and iron nanoclusters cargo neoplastic exosomes for cancer status biomarking. 2018 , 14, 2619-2631		24

1012	Tet1 and Tet2 maintain mesenchymal stem cell homeostasis via demethylation of the P2rx7 promoter. 2018 , 9, 2143	60
1011	Plasma Exosomes Contribute to Microvascular Damage in Diabetic Retinopathy by Activating the Classical Complement Pathway. 2018 , 67, 1639-1649	53
1010	Possibility of Exosome-Based Therapeutics and Challenges in Production of Exosomes Eligible for Therapeutic Application. 2018 , 41, 835-842	137
1009	Anchor peptide captures, targets, and loads exosomes of diverse origins for diagnostics and therapy. 2018 , 10,	135
1008	Cancer cells copy migratory behavior and exchange signaling networks via extracellular vesicles. 2018 , 37,	38
1007	Brain targeting with lipidic nanocarriers. 2018 , 255-324	0
1006	Proteomic Profiling of Tumor Exosomes. 2018 , 69-92	
1005	Sleep-disordered breathing, circulating exosomes, and insulin sensitivity in adipocytes. 2018 , 42, 1127-1139	19
1004	Electrical Detection, Identification, and Quantification of Exosomes. 2018 , 6, 22817-22826	8
1003	Nucleic Acid Profiling in Tumor Exosomes. 2018 , 93-117	
1002	Higher exosomal tau, amyloid-beta 42 and IL-10 are associated with mild TBIs and chronic symptoms in military personnel. 2018 , 32, 1277-1284	72
1001	Extracellular Vesicles in Oncology: Progress and Pitfalls in the Methods of Isolation and Analysis. 2019 , 14, e1700716	47
1000	Bioprocess decision support tool for scalable manufacture of extracellular vesicles. 2019 , 116, 307-319	11
999	Neuronal Enriched Extracellular Vesicle Proteins as Biomarkers for Traumatic Brain Injury. 2019 , 36, 975-987	25
998	Ascites-Derived Extracellular microRNAs as Potential Biomarkers for Ovarian Cancer. 2019 , 26, 510-522	20
997	Extracellular Vesicles: Nature's Own Nanoparticles. 2019 , 27-48	4
996	Cardiomyocyte-Derived Exosomes: Biological Functions and Potential Therapeutic Implications. 2019 , 10, 1049	35
995	Johnny on the Spot-Chronic Inflammation Is Driven by HMGB1. 2019 , 10, 1561	31

994	Therapeutic Effects of Hyaluronic Acid in Bacterial Pneumonia in Perfused Human Lungs. 2019 , 200, 1234-1245	17
993	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
992	The Prospect and Challenges to the Flow of Liquid Biopsy in Africa. 2019 , 8,	8
991	Natural melanoma-derived extracellular vesicles. 2019 , 59, 251-265	20
990	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
989	Overview of Extracellular Vesicles, Their Origin, Composition, Purpose, and Methods for Exosome Isolation and Analysis. 2019 , 8,	683
988	Extracellular HSP90 α Versus Intracellular HSP90 β in Wound Healing and Cancer. 2019 , 289-315	
987	Biological Function of Exosomes as Diagnostic Markers and Therapeutic Delivery Vehicles in Carcinogenesis and Infectious Diseases. 2019 ,	13
986	Mesenchymal stem/stromal cell secretome for lung regeneration: The long way through "pharmaceuticalization" for the best formulation. 2019 , 309, 11-24	57
985	Biological functions and clinical applications of exosomal non-coding RNAs in hepatocellular carcinoma. 2019 , 76, 4203-4219	30
984	Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. 2019 , 19, 2526-2536	31
983	Urinary extracellular vesicles as a source of biomarkers reflecting renal cellular biology in human disease. 2019 , 154, 43-65	5
982	Extracellular vesicles and their diagnostic potential in amyotrophic lateral sclerosis. 2019 , 497, 27-34	10
981	Association of Extracellular Vesicle Biomarkers With Alzheimer Disease in the Baltimore Longitudinal Study of Aging. 2019 , 76, 1340-1351	90
980	Analysis of circulating non-coding RNAs in a non-invasive and cost-effective manner. 2019 , 117, 242-262	9
979	Isolation and Analysis of Plasma-Derived Exosomes in Patients With Glioma. 2019 , 9, 651	38
978	Recent advances in microfluidic methods in cancer liquid biopsy. 2019 , 13, 041503	26
977	The generation and use of recombinant extracellular vesicles as biological reference material. 2019 , 10, 3288	54

976	The biological functions and clinical applications of exosomes in lung cancer. 2019 , 76, 4613-4633	58
975	In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles. 2019 , 317, F560-F571	12
974	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. 2019 , 3, 183-193	167
973	Extracellular Vesicles as Natural, Safe and Efficient Drug Delivery Systems. 2019 , 11,	50
972	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
971	Exosomes and pancreatic diseases: status, challenges, and hopes. 2019 , 15, 1846-1860	16
970	A panel of miRNAs derived from plasma extracellular vesicles as novel diagnostic biomarkers of lung adenocarcinoma. 2019 , 9, 2149-2158	13
969	Isolation and characterization of extracellular vesicles from Broncho-alveolar lavage fluid: a review and comparison of different methods. 2019 , 20, 240	69
968	Exosomes in Coronary Artery Disease. 2019 , 15, 2461-2470	18
967	Exploring the key communicator role of exosomes in cancer microenvironment through proteomics. 2019 , 17, 5	20
966	Engineering State-of-the-Art Plasmonic Nanomaterials for SERS-Based Clinical Liquid Biopsy Applications. 2019 , 6, 1900730	64
965	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). 2019 , 49, 1457-1973	485
964	Application of high-performance magnetic nanobeads to biological sensing devices. 2019 , 411, 1825-1837	25
963	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
962	The Role of Exosomes in Bone Remodeling: Implications for Bone Physiology and Disease. 2019 , 2019, 9417914	18
961	The Role of Exosomes in Pancreatic Cancer. 2019 , 20,	29
960	Exosomal miRNAs in Lung Diseases: From Biologic Function to Therapeutic Targets. 2019 , 8,	40
959	Platelet-Derived Exosomal MicroRNA-25-3p Inhibits Coronary Vascular Endothelial Cell Inflammation Through Adam10 via the NF- κ B Signaling Pathway in ApoE Mice. 2019 , 10, 2205	33

958	Innovative approaches for cancer treatment: current perspectives and new challenges. 2019 , 13, 961	180
957	Liquid biopsies in pancreatic cancer. 2019 , 19, 869-878	16
956	Comprehensive proteomic profiling of plasma-derived Extracellular Vesicles from dementia with Lewy Bodies patients. 2019 , 9, 13282	10
955	Viscosity of Plasma as a Key Factor in Assessment of Extracellular Vesicles by Light Scattering. 2019 , 8,	9
954	Emerging role of extracellular vesicles in liver diseases. 2019 , 317, G739-G749	24
953	Optimal Isolation Method of Small Extracellular Vesicles from Rat Plasma. 2019 , 20,	5
952	An Update on Isolation Methods for Proteomic Studies of Extracellular Vesicles in Biofluids. 2019 , 24,	35
951	Exosomal miRNAs in central nervous system diseases: biomarkers, pathological mediators, protective factors and therapeutic agents. 2019 , 183, 101694	71
950	Raman tweezers microspectroscopy of circa 100 nm extracellular vesicles. 2019 , 11, 1661-1679	38
949	Extracellular Vesicles as Vehicles for the Delivery of Food Bioactives. 2019 , 67, 2113-2119	9
948	Extracellular-Vesicle Isolation from Different Biological Fluids by Size-Exclusion Chromatography. 2019 , 49, e82	30
947	Circulating Y-RNAs in Extracellular Vesicles and Ribonucleoprotein Complexes; Implications for the Immune System. 2018 , 9, 3164	32
946	Cross-talk between cancer cells and their neighbors via miRNA in extracellular vesicles: an emerging player in cancer metastasis. 2019 , 26, 7	59
945	Extracellular Vesicle Quantification and Characterization: Common Methods and Emerging Approaches. 2019 , 6,	141
944	Urine-based liquid biopsy: non-invasive and sensitive AR-V7 detection in urinary EVs from patients with prostate cancer. 2018 , 19, 87-97	44
943	Announcing the ISEV2019 special achievement award recipients: Takahiro Ochiya and Marca Wauben. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1620080	16.4 0
942	Microfluidic Technology for Clinical Applications of Exosomes. 2019 , 10,	34
941	Tumor-derived extracellular vesicles in breast cancer: From bench to bedside. 2019 , 460, 54-64	34

940	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1621131	16.4	44
939	Characterization and Gene Expression Analysis of Serum-Derived Extracellular Vesicles in Primary Aldosteronism. 2019 , 74, 359-367		15
938	Liquid biopsy in ovarian cancer: recent advances in circulating extracellular vesicle detection for early diagnosis and monitoring progression. 2019 , 9, 4130-4140		35
937	Salivary Extracellular Vesicle-Associated exRNA as Cancer Biomarker. 2019 , 11,		23
936	Analysis of the extracellular vesicle proteome identifies markers of purity and culture conditions. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1632099	16.4	34
935	What information can be obtained from the tears of a patient with primary open angle glaucoma?. 2019 , 495, 529-537		23
934	Scalable Production and Isolation of Extracellular Vesicles: Available Sources and Lessons from Current Industrial Bioprocesses. 2019 , 14, e1800528		32
933	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
932	Nanoplasmonic Approaches for Sensitive Detection and Molecular Characterization of Extracellular Vesicles. 2019 , 7, 279		44
931	Body mass index in relation to extracellular vesicle-linked microRNAs in human follicular fluid. 2019 , 112, 387-396.e3		8
930	microRNA-328 in exosomes derived from M2 macrophages exerts a promotive effect on the progression of pulmonary fibrosis via FAM13A in a rat model. 2019 , 51, 1-16		30
929	Emerging role of extracellular vesicles in the regulation of skeletal muscle adaptation. 2019 , 127, 645-653		8
928	Comparing small urinary extracellular vesicle purification methods with a view to RNA sequencing-Enabling robust and non-invasive biomarker research. 2019 , 17, 100089		28
927	Why the Gold Standard Approach by Mammography Demands Extension by Multiomics? Application of Liquid Biopsy miRNA Profiles to Breast Cancer Disease Management. 2019 , 20,		30
926	MMP14-Containing Exosomes Cleave VEGFR1 and Promote VEGFA-Induced Migration and Proliferation of Vascular Endothelial Cells. 2019 , 60, 2321-2329		20
925	Mesenchymal stem cell-derived extracellular vesicles: a new impetus of promoting angiogenesis in tissue regeneration. 2019 , 21, 497-508		23
924	Aptamer-based fluorescence polarization assay for separation-free exosome quantification. 2019 , 11, 10106-10113		46
923	Basics and applications of tumor-derived extracellular vesicles. 2019 , 26, 35		27

922	microRNA-16-5p-containing exosomes derived from bone marrow-derived mesenchymal stem cells inhibit proliferation, migration, and invasion, while promoting apoptosis of colorectal cancer cells by downregulating ITGA2. 2019 , 234, 21380-21394	67
921	Microfluidic Approaches Toward the Isolation and Detection of Exosome Nanovesicles. 2019 , 7, 45080-45098	14
920	Liquid Biopsy: Is There an Advantage to Analyzing Circulating Exosomal DNA Compared to cfDNA or Are They the Same?. 2019 , 79, 2462-2465	29
919	Identification of reference genes for microRNAs of extracellular vesicles isolated from plasma samples of healthy dogs by ultracentrifugation, precipitation, and membrane affinity chromatography methods. 2019 , 80, 449-454	4
918	Review of the Isolation, Characterization, Biological Function, and Multifarious Therapeutic Approaches of Exosomes. 2019 , 8,	386
917	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
916	Analysis of a nanoparticle-enriched fraction of plasma reveals miRNA candidates for Down syndrome pathogenesis. 2019 , 43, 2303-2318	13
915	Adaptive immune stimuli altered the cargo proteins of exosomes released by supraneural myeloid body cells in <i>Lampetra japonica</i> . 2019 , 111, 64-72	6
914	Extracellular vesicles reveal abnormalities in neuronal iron metabolism in restless legs syndrome. 2019 , 42,	5
913	Polyethylene glycol improves current methods for circulating extracellular vesicle-derived DNA isolation. 2019 , 17, 75	23
912	Identification and Analysis of Exosomes by Surface-Enhanced Raman Spectroscopy. 2019 , 9, 1135	18
911	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. 2019 , 19, 1114-1140	45
910	Thermophoretically enriched detection. 2019 , 3, 163-164	5
909	The importance of extracellular vesicle purification for downstream analysis: A comparison of differential centrifugation and size exclusion chromatography for helminth pathogens. 2019 , 13, e0007191	32
908	Extracellular Vesicles From Human Urine-Derived Stem Cells Ameliorate Erectile Dysfunction in a Diabetic Rat Model by Delivering Proangiogenic MicroRNA. 2019 , 7, 241-250	23
907	Exosomal transfer of miR-1238 contributes to temozolomide-resistance in glioblastoma. 2019 , 42, 238-251	86
906	Challenges and opportunities in exosome research-Perspectives from biology, engineering, and cancer therapy. 2019 , 3, 011503	188
905	Platelet-Derived Extracellular Vesicles. 2019 , 401-416	13

904	Milk MicroRNAs in Health and Disease. 2019 , 18, 703-722		49
903	Isolation and Characterization of Extracellular Vesicles Derived from <i>Trypanosoma cruzi</i> . 2019 , 1955, 89-104		5
902	Extracellular vesicles in autoimmune vasculitis - Little dirt light the fire in blood vessels. 2019 , 18, 593-606		20
901	Manipulation of bio-micro/nanoparticles in non-Newtonian microflows. 2019 , 23, 1		23
900	Extracellular vesicles in atherosclerosis. 2019 , 495, 109-117		27
899	Extracellular Vesicle Biomarkers Track Cognitive Changes Following Intranasal Insulin in Alzheimer's Disease. 2019 , 69, 489-498		34
898	Extracellular Vesicle as a Source of Alzheimer's Biomarkers: Opportunities and Challenges. 2019 , 20,		50
897	Manufacturing and characterization of extracellular vesicles from umbilical cord-derived mesenchymal stromal cells for clinical testing. 2019 , 21, 581-592		83
896	JC Polyomavirus Uses Extracellular Vesicles To Infect Target Cells. 2019 , 10,		39
895	Cushioned-Density Gradient Ultracentrifugation (C-DGUC) improves the isolation efficiency of extracellular vesicles. 2019 , 14, e0215324		29
894	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
893	Protein Composition Reflects Extracellular Vesicle Heterogeneity. 2019 , 19, e1800167		57
892	Advances in exosomes technology. 2019 , 493, 14-19		65
891	An experimental strategy unveiling exosomal microRNAs 486-5p, 181a-5p and 30d-5p from hypoxic tumour cells as circulating indicators of high-risk rectal cancer. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1567219	16.4	50
890	Extracellular Vesicles in Epstein-Barr Virus' Life Cycle and Pathogenesis. 2019 , 7,		23
889	Bladder Cancer Diagnosis and Follow-Up: The Current Status and Possible Role of Extracellular Vesicles. 2019 , 20,		47
888	Stem Cell-Derived Extracellular Vesicles for Treating Joint Injury and Osteoarthritis. 2019 , 9,		36
887	Recent advances in extracellular vesicle research for urological cancers: From technology to application. 2019 , 1871, 342-360		9

886	Brain insulin resistance and altered brain glucose are related to memory impairments in schizophrenia. 2019 , 208, 324-330	21
885	The classical NLRP3 inflammasome controls FADD unconventional secretion through microvesicle shedding. 2019 , 10, 190	15
884	The Relationship between Exosomes and Cancer: Implications for Diagnostics and Therapeutics. 2019 , 33, 137-158	16
883	Extracellular Vesicles in Red Blood Cell Concentrates: An Overview. 2019 , 33, 125-130	11
882	Liquid Biopsy beyond Circulating Tumor Cells and Cell-Free DNA. 2019 , 63, 479-488	27
881	EDNA- and Aptamer-Mediated Sorting and Analysis of Extracellular Vesicles. 2019 , 141, 3817-3821	115
880	The Regenerative Potential of Amniotic Fluid Stem Cell Extracellular Vesicles: Lessons Learned by Comparing Different Isolation Techniques. 2019 , 9, 1837	36
879	Interorgan communication by exosomes, adipose tissue, and adiponectin in metabolic syndrome. 2019 , 129, 4041-4049	83
878	Salivary Biomarkers for Oral Squamous Cell Carcinoma Diagnosis and Follow-Up: Current Status and Perspectives. 2019 , 10, 1476	50
877	Zooming in across the Skin: A Macro-to-Molecular Panorama. 2020 , 1247, 157-200	2
876	Mechanisms of nuclear content loading to exosomes. 2019 , 5, eaax8849	98
875	Enrichment of Exosome-Like Extracellular Vesicles from Plasma Suitable for Clinical Vesicular miRNA Biomarker Research. 2019 , 8,	16
874	Extracellular Vesicles As Nanomedicine: Hopes And Hurdles In Clinical Translation. 2019 , 14, 8847-8859	35
873	Extracellular Vesicles From Auditory Cells as Nanocarriers for Anti-inflammatory Drugs and Pro-resolving Mediators. 2019 , 13, 530	11
872	Rapid and label-free isolation of small extracellular vesicles from biofluids utilizing a novel insulator based dielectrophoretic device. 2019 , 19, 3726-3734	34
871	A Snapshot of The Tumor Microenvironment in Colorectal Cancer: The Liquid Biopsy. 2019 , 20,	18
870	Cardiac Extracellular Vesicles (EVs) Released in the Presence or Absence of Inflammatory Cues Support Angiogenesis in Different Manners. 2019 , 20,	0
869	Is a Part Better than the Whole for Cell-based Therapy for Acute Respiratory Distress Syndrome?. 2019 , 130, 683-685	3

868	Advanced liquid biopsy technologies for circulating biomarker detection. 2019 , 7, 6670-6704	74
867	Elevated Levels of Serum Exosomes in Patients with Major Depressive Disorder. 2019 , 13, 385-390	3
866	Extracellular Vesicles for Research on Psychiatric Disorders. 2019 , 45, 7-16	4
865	microRNA-423-3p exosomes derived from cardiac fibroblasts mediates the cardioprotective effects of ischaemic post-conditioning. 2019 , 115, 1189-1204	45
864	What is the blood concentration of extracellular vesicles? Implications for the use of extracellular vesicles as blood-borne biomarkers of cancer. 2019 , 1871, 109-116	91
863	Extracellular Vesicles as Conduits of Non-Coding RNA Emission and Intercellular Transfer in Brain Tumors. 2018 , 5,	23
862	Microparticles from Endothelial Cells and Immune Cells in Patients with Takayasu Arteritis. 2019 , 26, 547-558	3
861	Oncogenic Regulation of Extracellular Vesicle Proteome and Heterogeneity. 2019 , 19, e1800169	19
860	Approaches to therapeutic angiogenesis for ischemic heart disease. 2019 , 97, 141-151	38
859	Comparison of small extracellular vesicles isolated from plasma by ultracentrifugation or size-exclusion chromatography: yield, purity and functional potential. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1560809	16.4 148
858	Exosomal protein CD82 as a diagnostic biomarker for precision medicine for breast cancer. 2019 , 58, 674-685	45
857	Lipid Nanovesicles by Microfluidics: Manipulation, Synthesis, and Drug Delivery. 2019 , 31, e1804788	44
856	In vitro characteristics of an airway barrier-disrupting factor secreted by Staphylococcus aureus. 2019 , 9, 187-196	3
855	Extracellular Vesicles from Neurosurgical Aspirates Identifies Chaperonin Containing TCP1 Subunit 6A as a Potential Glioblastoma Biomarker with Prognostic Significance. 2019 , 19, e1800157	31
854	Post-translational and transcriptional dynamics - regulating 'extracellular vesicle biology. 2019 , 16, 17-31	14
853	Methods for Analyzing miRNA Expression. 2019 , 379-405	0
852	Platelet Reactivity And Circulating Platelet-Derived Microvesicles Are Differently Affected By P2Y Receptor Antagonists. 2019 , 16, 264-275	12
851	Toward characterizing extracellular vesicles at a single-particle level. 2019 , 26, 9	61

850	Extracellular vesicle-associated procoagulant phospholipid and tissue factor activity in multiple myeloma. 2019 , 14, e0210835	18
849	Bariatric Surgery Alters microRNA Content of Circulating Exosomes in Patients with Obesity. 2019 , 27, 264-271	26
848	Utility of Neuronal-Derived Exosomes to Examine Molecular Mechanisms That Affect Motor Function in Patients With Parkinson Disease: A Secondary Analysis of the Exenatide-PD Trial. 2019 , 76, 420-429	95
847	Concise Review: Therapeutic Potential of the Mesenchymal Stem Cell Derived Secretome and Extracellular Vesicles for Radiation-Induced Lung Injury: Progress and Hypotheses. 2019 , 8, 344-354	46
846	Extracellular Microvesicles as New Industrial Therapeutic Frontiers. 2019 , 37, 707-729	84
845	Exosomes from GM-CSF expressing embryonic stem cells are an effective prophylactic vaccine for cancer prevention. 2019 , 8, 1561119	17
844	Exosomal miR-196a derived from cancer-associated fibroblasts confers cisplatin resistance in head and neck cancer through targeting CDKN1B and ING5. 2019 , 20, 12	178
843	Comparison of exosomes purified via ultracentrifugation (UC) and Total Exosome Isolation (TEI) reagent from the serum of Marek's disease virus (MDV)-vaccinated and tumor-bearing chickens. 2019 , 263, 1-9	22
842	Exosomes for Non-Invasive Cancer Monitoring. 2019 , 14, e1800430	34
841	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. 2019 , 20, 451-461	62
840	Interaction between mesenchymal stromal cell-derived extracellular vesicles and immune cells by distinct protein content. 2019 , 234, 8249-8258	71
839	Interplay of extracellular vesicles and other players in cerebral malaria pathogenesis. 2019 , 1863, 325-331	14
838	Release of Mitochondrial and Nuclear DNA During On-Pump Heart Surgery: Kinetics and Relation to Extracellular Vesicles. 2019 , 12, 184-192	13
837	Proteins Regulating Microvesicle Biogenesis and Multidrug Resistance in Cancer. 2019 , 19, e1800165	29
836	Exosome as a Novel Shuttle for Delivery of Therapeutics across Biological Barriers. 2019 , 16, 24-40	89
835	Urinary concentrations of phenols and phthalate metabolites reflect extracellular vesicle microRNA expression in follicular fluid. 2019 , 123, 20-28	23
834	Eutopic stromal cells of endometriosis promote neuroangiogenesis via exosome pathway \square 2019 , 100, 649-659	22
833	Exosomes and microvesicles in normal physiology, pathophysiology, and renal diseases. 2019 , 34, 11-30	121

832	Characterization of rat primary trigeminal satellite glial cells and associated extracellular vesicles under normal and inflammatory conditions. 2019 , 190, 27-34	11
831	Construction of discontinuous capillary isoelectric focusing system and its application in pre-fractionation of exosomal proteins. 2020 , 208, 119876	6
830	Blood plasma versus serum: which is right for sampling circulating membrane microvesicles in human subjects?. 2020 , 79, e73	8
829	Emerging therapeutic roles of exosomes in HIV-1 infection. 2020 , 147-178	4
828	Targeted Exosomes for Drug Delivery: Biomanufacturing, Surface Tagging, and Validation. 2020 , 15, e1900163	31
827	Exosomes, microvesicles, and their friends in solid tumors. 2020 , 39-80	2
826	Exosomes in nephrology. 2020 , 257-283	2
825	Extracellular vesicles in fibrotic diseases: New applications for fibrosis diagnosis and treatment. 2020 , 307-323	
824	Extracellular vesicles transmitted miR-31-5p promotes sorafenib resistance by targeting MLH1 in renal cell carcinoma. 2020 , 146, 1052-1063	30
823	Urinary extracellular vesicles: Origin, role as intercellular messengers and biomarkers; efficient sorting and potential treatment options. 2020 , 228, e13346	34
822	Modern Techniques for the Isolation of Extracellular Vesicles and Viruses. 2020 , 15, 459-472	25
821	Extracellular Vesicles as Drug Delivery Vehicles to the Central Nervous System. 2020 , 15, 443-458	30
820	Electrochemical immunosensing of nanovesicles as biomarkers for breast cancer. 2020 , 150, 111882	26
819	Therapeutic potential of mesenchymal stem/stromal cell-derived secretome and vesicles for lung injury and disease. 2020 , 20, 125-140	25
818	Extracellular vesicles as biomarkers and therapeutic targets for cancer. 2020 , 318, C29-C39	47
817	Advances in lipidomics for cancer biomarker discovery. 2020 , 421-436	2
816	An overview of current knowledge in biological functions and potential theragnostic applications of exosomes. 2020 , 226, 104836	24
815	Extracellular vesicle-mediated delivery of miR-101 inhibits lung metastasis in osteosarcoma. 2020 , 10, 411-425	46

814	Foresight on nanovesicles in plant-pathogen interactions. 2020 , 307-319	0
813	Targets, pitfalls and reference materials for liquid biopsy tests in cancer diagnostics. 2020 , 72, 100828	51
812	MicroRNA-181a exerts anti-inflammatory effects via inhibition of the ERK pathway in mice with intervertebral disc degeneration. 2020 , 235, 2676-2686	11
811	Circulating miRNA analysis for cancer diagnostics and therapy. 2020 , 72, 100825	41
810	The nanostructured secretome. 2019 , 8, 39-63	18
809	Engineering Extracellular Vesicles as Nanotherapeutics for Regenerative Medicine. 2019 , 10,	40
808	Focusing of sub-micrometer particles in microfluidic devices. 2020 , 20, 35-53	43
807	Enhanced Loading of Functional miRNA Cargo via pH Gradient Modification of Extracellular Vesicles. 2020 , 28, 975-985	48
806	Extracellular vesicles and their role in glioblastoma. 2019 , 1-26	11
805	Sequential phosphoproteomics and N-glycoproteomics of plasma-derived extracellular vesicles. 2020 , 15, 161-180	29
804	Exosomal microRNAs as liquid biopsy biomarkers in prostate cancer. 2020 , 145, 102860	47
803	Human prostasomes an extracellular vesicle - Biomarkers for male infertility and prostate cancer: The journey from identification to current knowledge. 2020 , 146, 946-958	10
802	Advances in the study of exosomal lncRNAs in tumors and the selection of research methods. 2020 , 123, 109716	18
801	Membrane-associated gamma-glutamyl transferase and alkaline phosphatase in the context of concanavalin A- and wheat germ agglutinin-reactive glycans mark seminal prostatic populations from normozoospermic and oligozoospermic men. 2020 , 125, 10-18	1
800	Fabrication of an Aptamer-Coated Liposome Complex for the Detection and Profiling of Exosomes Based on Terminal Deoxynucleotidyl Transferase-Mediated Signal Amplification. 2020 , 12, 322-329	36
799	Role of extracellular vesicles during oocyte maturation and early embryo development. 2019 , 32, 56-64	8
798	Extracellular vesicles: Potential role in osteoarthritis regenerative medicine. 2020 , 21, 73-80	27
797	Analyzing bacterial extracellular vesicles in human body fluids by orthogonal biophysical separation and biochemical characterization. 2020 , 15, 40-67	49

796	The Role of Vesicle Trafficking and Release in Oligodendrocyte Biology. 2020 , 45, 620-629		6
795	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
794	miR-10a-5p and miR-29b-3p as Extracellular Vesicle-Associated Prostate Cancer Detection Markers. 2019 , 12,		28
793	V600E Detection in Liquid Biopsies from Pediatric Central Nervous System Tumors. 2019 , 12,		17
792	New Sensors for Extracellular Vesicles: Insights on Constituent and Associated Biomarkers. 2020 , 5, 4-12		18
791	Exosomes in disease and regeneration: biological functions, diagnostics, and beneficial effects. 2020 , 319, H1162-H1180		14
790	Extracellular Vesicles as Biomarkers in Cancer Immunotherapy. 2020 , 12,		29
789	Recent Progress on the Isolation and Detection Methods of Exosomes. 2020 , 15, 3973-3982		15
788	Extracellular Vesicle miRNAs in the Promotion of Cardiac Neovascularisation. 2020 , 11, 579892		13
787	In vitro controlled release of extracellular vesicles for cardiac repair from poly(glycerol sebacate) acrylate-based polymers. 2020 , 115, 92-103		12
786	Molecular and Functional Diversity of Distinct Subpopulations of the Stressed Insulin-Secreting Cell's Vesiculome. 2020 , 11, 1814		8
785	Proteomics of Extracellular Vesicles: Update on Their Composition, Biological Roles and Potential Use as Diagnostic Tools in Atherosclerotic Cardiovascular Diseases. 2020 , 10,		7
784	Analysis of extracellular vesicles as emerging theranostic nanoplatfoms. 2020 , 424, 213506		10
783	Extracellular Vesicles: Recent Developments in Aging and Reproductive Diseases. 2020 , 8, 577084		5
782	Alpha-2-macroglobulin from circulating exosome-like vesicles is increased in women with preterm pregnancies. 2020 , 10, 16961		4
781	Simple and Fast SEC-Based Protocol to Isolate Human Plasma-Derived Extracellular Vesicles for Transcriptional Research. 2020 , 18, 723-737		10
780	An extracellular vesicle epitope profile is associated with acute myocardial infarction. 2020 , 24, 9945-9957		18
779	A novel three step protocol to isolate extracellular vesicles from plasma or cell culture medium with both high yield and purity. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1791450	16.4	31

778	Extracellular vesicles as biomarkers in liver diseases: A clinician's point of view. 2020 , 73, 1507-1525	44
777	Applying CRISPR/Cas13 to Construct Exosomal PD-L1 Ultrasensitive Biosensors for Dynamic Monitoring of Tumor Progression in Immunotherapy. 2020 , 3, 2000093	12
776	Pursuing mechanisms of extracellular vesicle formation. Effects of sample processing. 2020 , 32, 113-155	3
775	Current Perspectives on Clinical Use of Exosomes as a Personalized Contrast Media and Theranostics. 2020 , 12,	6
774	Extracellular Vesicles in Alzheimer's and Parkinson's Disease: Small Entities with Large Consequences. 2020 , 9,	16
773	Technical and Methodological Aspects of Cell-Free Nucleic Acids Analyzes. 2020 , 21,	13
772	Exosomal Long Noncoding RNAs: Insights into Emerging Diagnostic and Therapeutic Applications in Lung Cancer. 2020 , 2020, 7630197	3
771	Large Extracellular Vesicles Can be Characterised by Multiplex Labelling Using Imaging Flow Cytometry. 2020 , 21,	7
770	Indirect capillary electrophoresis immunoassay of membrane protein in extracellular vesicles. 2020 , 1629, 461513	6
769	Mechanisms of Action of EGFR Tyrosine Kinase Receptor Incorporated in Extracellular Vesicles. 2020 , 9,	4
768	Exosomes in Cardiovascular Diseases. 2020 , 10,	12
767	Extracellular vesicles in cardiovascular disease. 2021 , 103, 47-95	10
766	Emerging Role of Extracellular Vesicles in Immune Regulation and Cancer Progression. 2020 , 12,	15
765	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
764	The Role of Extracellular Vesicles in Demyelination of the Central Nervous System. 2020 , 21,	4
763	Suppression of Ovarian Cancer Cell Growth by AT-MSC Microvesicles. 2020 , 21,	0
762	Extracellular Vesicle-Based Therapeutics: Preclinical and Clinical Investigations. 2020 , 12,	25
761	Comprehensive profiling of extracellular RNA in HPV-induced cancers using an improved pipeline for small RNA-seq analysis. 2020 , 10, 19450	6

760	Quantitative Proteomic Analysis of Biogenesis-Based Classification for Extracellular Vesicles. 2020 , 8,	4
759	A review of the role of extracellular vesicles in neonatal physiology and pathology. 2021 , 90, 289-299	2
758	Small Extracellular Vesicle Regulation of Mitochondrial Dynamics Reprograms a Hypoxic Tumor Microenvironment. 2020 , 55, 163-177.e6	11
757	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
756	Isolation and Quantification of Blood Apoptotic Bodies, a Non-invasive Tool to Evaluate Apoptosis in Patients with Ischemic Stroke and Neurodegenerative Diseases. 2020 , 22, 17	10
755	Exosomal miRNAs as biomarkers for diagnostic and prognostic in lung cancer. 2020 , 9, 6909-6922	20
754	Role of tau protein in Alzheimer's disease: The prime pathological player. 2020 , 163, 1599-1617	29
753	Self-assembly of stem cell membrane-camouflaged nanocomplex for microRNA-mediated repair of myocardial infarction injury. 2020 , 257, 120256	25
752	Exosomes in Tumor Immunotherapy: Mediator, Drug Carrier, and Prognostic Biomarker. 2020 , 4, e2000061	3
751	Detection and quantification of microRNAs (miRNAs) and high-throughput miRNA profiling. 2020 , 479-493	1
750	The Application of MSCs-Derived Extracellular Vesicles in Bone Disorders: Novel Cell-Free Therapeutic Strategy. 2020 , 8, 619	14
749	Therapeutic Potentials of Extracellular Vesicles for the Treatment of Diabetes and Diabetic Complications. 2020 , 21,	8
748	Mass-Spectrometry Based Proteome Comparison of Extracellular Vesicle Isolation Methods: Comparison of ME-kit, Size-Exclusion Chromatography, and High-Speed Centrifugation. 2020 , 8,	14
747	Microvesicles in Cancer: Small Size, Large Potential. 2020 , 21,	11
746	Extracellular Vesicles as Mediators of Cellular Cross Talk in the Lung Microenvironment. 2020 , 7, 326	15
745	Lead Compounds in the Context of Extracellular Vesicle Research. 2020 , 12,	0
744	Mechanical Characterization of Liposomes and Extracellular Vesicles, a Protocol. 2020 , 7, 139	13
743	Part Two: Extracellular Vesicles as a Risk Factor in Neurodegenerative Diseases. 2020 ,	

742	Exosomes for Wound Healing: Purification Optimization and Identification of Bioactive Components. 2020 , 7, 2002596		14
741	Cancer Extracellular Vesicles: Next-Generation Diagnostic and Drug Delivery Nanotools. 2020 , 12,		11
740	Engineering extracellular vesicles for cancer therapy: recent advances and challenges in clinical translation. 2020 , 8, 6978-6991		6
739	Extracellular vesicles released by anaerobic protozoan parasites: Current situation. 2020 , 22, e13257		6
738	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
737	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo-Implications for biomarker discovery. 2020 , 15, e0236439		65
736	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
735	Extracellular Vesicle-Mediated Vascular Cell Communications in Hypertension: Mechanism Insights and Therapeutic Potential of ncRNAs. 2020 , 1		6
734	Biological functions and clinical applications of exosomal long non-coding RNAs in cancer. 2020 , 24, 11656-11666		6
733	A Protocol for Cancer-Related Mutation Detection on Exosomal DNA in Clinical Application. 2020 , 10, 558106		2
732	Extracellular Vesicles as Nanotherapeutics for Parkinson's Disease. 2020 , 10,		5
731	Experimental and Biological Insights from Proteomic Analyses of Extracellular Vesicle Cargos in Normalcy and Disease. 2020 , 4, e2000069		3
730	Specialized Cell-Free DNA Blood Collection Tubes Can Be Repurposed for Extracellular Vesicle Isolation: A Pilot Study. 2020 , 18, 462-470		4
729	Exosomes-Coated miR-34a Displays Potent Antitumor Activity in Pancreatic Cancer Both in vitro and in vivo. 2020 , 14, 3495-3507		9
728	Experimental artefacts can lead to misattribution of bioactivity from soluble mesenchymal stem cell paracrine factors to extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1807674	16.4	30
727	Exosomes: A Source for New and Old Biomarkers in Cancer. 2020 , 12,		19
726	Low-Vacuum Filtration as an Alternative Extracellular Vesicle Concentration Method: A Comparison with Ultracentrifugation and Differential Centrifugation. 2020 , 12,		3
725	Measurement and standardization challenges for extracellular vesicle therapeutic delivery vectors. 2020 , 15, 2149-2170		7

724	Mesenchymal Stem Cell-Derived Extracellular Vesicles and Their Therapeutic Potential. 2020 , 2020, 8825771	23
723	Large Extracellular Vesicles-A New Frontier of Liquid Biopsy in Oncology. 2020 , 21,	8
722	The future of Extracellular Vesicles as Theranostics - an ISEV meeting report. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1809766	16.4 23
721	Extracellular vesicles report on the MET status of their cells of origin regardless of the method used for their isolation. 2020 , 10, 19020	2
720	miR-140-5p in Small Extracellular Vesicles From Human Papilla Cells Stimulates Hair Growth by Promoting Proliferation of Outer Root Sheath and Hair Matrix Cells. 2020 , 8, 593638	6
719	Extracellular Vesicles in Hematological Malignancies: From Biomarkers to Therapeutic Tools. 2020 , 10,	11
718	Loss of exosomal miR-146a-5p from cancer-associated fibroblasts after androgen deprivation therapy contributes to prostate cancer metastasis. 2020 , 39, 282	8
717	Rigor and standardization of extracellular vesicle research: Paving the road towards robustness. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12037	16.4 15
716	Extracellular Vesicles Are Key Regulators of Tumor Neovasculature. 2020 , 8, 611039	13
715	An exploratory analysis of extracellular vesicle-associated and soluble cytokines in cancer-related fatigue in men with prostate cancer. 2020 , 9, 100140	3
714	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
713	Extracellular Vesicle Therapeutics in Regenerative Medicine. 2021 , 1312, 131-138	1
712	Enrichment of plasma extracellular vesicles for reliable quantification of their size and concentration for biomarker discovery. 2020 , 10, 21346	11
711	The Role of Exosomal Non-Coding RNAs in Coronary Artery Disease. 2020 , 11, 603104	5
710	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. 2020 , 18, 177	7
709	The Biological Function of Extracellular Vesicles during Fertilization, Early Embryo-Maternal Crosstalk and Their Involvement in Reproduction: Review and Overview. 2020 , 10,	8
708	Stem cell derived exosomes-based therapy for acute lung injury and acute respiratory distress syndrome: A novel therapeutic strategy. 2020 , 254, 117766	7
707	Differential Expression of Plasma Exo-miRNA in Neurodegenerative Diseases by Next-Generation Sequencing. 2020 , 14, 438	20

706	Exosome-templated nanoplasmonics for multiparametric molecular profiling. 2020 , 6, eaba2556	31
705	Plasma-Derived Extracellular Vesicle Phosphoproteomics through Chemical Affinity Purification. 2020 , 19, 2563-2574	14
704	Mesenchymal stromal/stem cell-derived extracellular vesicles in tissue repair: challenges and opportunities. 2020 , 10, 5979-5997	61
703	Extracellular Vesicles in Viral Spread and Antiviral Response. 2020 , 12,	18
702	Impact of donor extracellular vesicle release on recipient cell "cross-dressing" following clinical liver and kidney transplantation. 2021 , 21, 2387-2398	8
701	Wafer-Scale Uniform Carbon Nanotube Transistors for Ultrasensitive and Label-Free Detection of Disease Biomarkers. 2020 , 14, 8866-8874	42
700	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
699	Urinary Biomarkers in Bladder Cancer: Where Do We Stand and Potential Role of Extracellular Vesicles. 2020 , 12,	19
698	Extracellular Vesicles in Diagnosis and Treatment of Pancreatic Cancer: Current State and Future Perspectives. 2020 , 12,	8
697	Extracellular Vesicles: A Therapeutic Option for Liver Fibrosis. 2020 , 21,	18
696	Diagnostic and Therapeutic Applications of Exosomes in Cancer with a Special Focus on Head and Neck Squamous Cell Carcinoma (HNSCC). 2020 , 21,	10
695	The Roles of Exosomes in Visual and Auditory Systems. 2020 , 8, 525	15
694	Analysis of Neat Biofluids Obtained During Cardiac Surgery Using Nanoparticle Tracking Analysis: Methodological Considerations. 2020 , 8, 367	4
693	Profiling Extracellular Long RNA Transcriptome in Human Plasma and Extracellular Vesicles for Biomarker Discovery. 2020 , 23, 101182	6
692	The function and clinical application of extracellular vesicles in innate immune regulation. 2020 , 17, 323-334	85
691	An emerging focus on lipids in extracellular vesicles. 2020 , 159, 308-321	134
690	A Novel Model of Cancer Drug Resistance: Oncosomal Release of Cytotoxic and Antibody-Based Drugs. 2020 , 9,	11
689	Characterization of serum small extracellular vesicles and their small RNA contents across humans, rats, and mice. 2020 , 10, 4197	16

688	Ca mediates extracellular vesicle biogenesis through alternate pathways in malignancy. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1734326	16.4	22
687	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
686	Cell Stress Induced Stressome Release Including Damaged Membrane Vesicles and Extracellular HSP90 by Prostate Cancer Cells. 2020 , 9,		29
685	Extracellular Vesicles in Feto-Maternal Crosstalk and Pregnancy Disorders. 2020 , 21,		24
684	Biomarker potential of brain-secreted extracellular vesicles in blood in Alzheimer's disease. 2020 , 12, e12001		22
683	Proteomic Analysis of Blood Exosomes from Healthy Females and Breast Cancer Patients Reveals an Association between Different Exosomal Bioactivity on Non-tumorigenic Epithelial Cell and Breast Cancer Cell Migration in Vitro. 2020 , 10,		11
682	EV-Ident: Identifying Tumor-Specific Extracellular Vesicles by Size Fractionation and Single-Vesicle Analysis. 2020 , 92, 6010-6018		13
681	Freeze-Dried Extracellular Vesicles From Adipose-Derived Stem Cells Prevent Hypoxia-Induced Muscle Cell Injury. 2020 , 8, 181		21
680	Characterization of Urinary Exosomes Purified with Size Exclusion Chromatography and Ultracentrifugation. 2020 , 19, 2217-2225		25
679	Exosomes Could Offer New Options to Combat the Long-Term Complications Inflicted by Gestational Diabetes Mellitus. 2020 , 9,		11
678	Utilization of Human Induced Pluripotent Stem Cells for Cardiac Repair. 2020 , 8, 36		16
677	Progress, opportunity, and perspective on exosome isolation - efforts for efficient exosome-based theranostics. 2020 , 10, 3684-3707		190
676	Biomarker Organization in Circulating Extracellular Vesicles: New Applications in Detecting Neurodegenerative Diseases. 2020 , 4, e1900309		5
675	Extracellular Vesicles in Cancer Metastasis: Potential as Therapeutic Targets and Materials. 2020 , 21,		15
674	A promising approach toward efficient isolation of the exosomes by core-shell PCL-gelatin electrospun nanofibers. 2020 , 43, 1961-1971		4
673	Nanomedicine and Onco-Immunotherapy: From the Bench to Bedside to Biomarkers. 2020 , 10,		13
672	MicroRNA Milk Exosomes: From Cellular Regulator to Genomic Marker. 2020 , 10,		14
671	Astrocyte- and Neuron-Derived Extracellular Vesicles from Alzheimer's Disease Patients Effect Complement-Mediated Neurotoxicity. 2020 , 9,		20

670	Technologies and Standardization in Research on Extracellular Vesicles. 2020 , 38, 1066-1098	109
669	Combination of Size-Exclusion Chromatography and Ultracentrifugation Improves the Proteomic Profiling of Plasma-Derived Small Extracellular Vesicles. 2020 , 22, 12	17
668	Highly efficient detection of cancer-derived exosomes using modified core-shell electrospun nanofibers as a capture substrate and antibody immobilized-graphene quantum dots as a signaling agent. 2020 , 12, 3670-3681	4
667	Microvesicles from Human Immortalized Cell Lines of Endothelial Progenitor Cells and Mesenchymal Stem/Stromal Cells of Adipose Tissue Origin as Carriers of Bioactive Factors Facilitating Angiogenesis. 2020 , 2020, 1289380	15
666	Exosomal Non Coding RNA in LIQUID Biopsies as a Promising Biomarker for Colorectal Cancer. 2020 , 21,	34
665	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
664	Purity Determines the Effect of Extracellular Vesicles Derived from Mesenchymal Stromal Cells. 2020 , 9,	5
663	Adipose-Derived Biogenic Nanoparticles for Suppression of Inflammation. 2020 , 16, e1904064	22
662	From laboratory to clinic: Translation of extracellular vesicle based cancer biomarkers. 2020 , 177, 58-66	25
661	Noble Metal-Assisted Surface Plasmon Resonance Immunosensors. 2020 , 20,	18
660	Double imprinting-based electrochemical detection of mimetic exosomes. 2020 , 862, 113969	2
659	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
658	Extracellular Vesicles Mediated Early Embryo-Maternal Interactions. 2020 , 21,	27
657	Investigating the Potential and Pitfalls of EV-Encapsulated MicroRNAs as Circulating Biomarkers of Breast Cancer. 2020 , 9,	15
656	Sustained release of dermal papilla-derived extracellular vesicles from injectable microgel promotes hair growth. 2020 , 10, 1454-1478	22
655	The profiles of microRNAs from urinary extracellular vesicles (EVs) prepared by various isolation methods and their correlation with serum EV microRNAs. 2020 , 160, 108010	13
654	Challenges in Using Circulating Micro-RNAs as Biomarkers for Cardiovascular Diseases. 2020 , 21,	26
653	Phenotypic analysis of extracellular vesicles: a review on the applications of fluorescence. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1710020	16.4 38

652	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
651	Microfluidic device for high-throughput affinity-based isolation of extracellular vesicles. 2020 , 20, 1762-1770		26
650	Extracellular vesicle-associated lipids in central nervous system disorders. 2020 , 159, 322-331		10
649	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
648	Long Noncoding RNA POU3F3 and β Synuclein in Plasma L1CAM Exosomes Combined with β Glucocerebrosidase Activity: Potential Predictors of Parkinson's Disease. 2020 , 17, 1104-1119		15
647	Novel Aspects of Extracellular Vesicles in the Regulation of Renal Physiological and Pathophysiological Processes. 2020 , 8, 244		9
646	Role of Exosomes in Cancer-Related Cognitive Impairment. 2020 , 21,		9
645	Mesenchymal stromal cells and their derivatives - putative therapeutics in the management of autoimmune pancreatitis. 2020 , 10, 969-978		2
644	How does temperature play a role in the storage of extracellular vesicles?. 2020 , 235, 7663-7680		19
643	Diagnostic performance of circulating exosomes in human cancer: A meta-analysis. 2020 , 34, e23341		3
642	Immunoassay-type biosensor based on magnetic nanoparticle capture and the fluorescence signal formed by horseradish peroxidase catalysis for tumor-related exosome determination. 2020 , 187, 282		19
641	Extracellular vesicles as drug delivery systems: Why and how?. 2020 , 159, 332-343		229
640	Therapeutic potential of stem cell-derived extracellular vesicles in osteoarthritis: preclinical study findings. 2020 , 36, 10		5
639	Characterization and antiproliferative activity of glioma-derived extracellular vesicles. 2020 , 15, 1001-1018		11
638	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Challenges in Clinical Applications. 2020 , 8, 149		94
637	Extracellular Vesicle Biomarkers Reveal Inhibition of Neuroinflammation by Infliximab in Association with Antidepressant Response in Adults with Bipolar Depression. 2020 , 9,		14
636	Therapeutic Use of Extracellular Vesicles for Acute and Chronic Lung Disease. 2020 , 21,		42
635	Dancing with Trojan horses: an interplay between the extracellular vesicles and viruses. 2021 , 39, 3034-3060		15

634	Synaptic and complement markers in extracellular vesicles in multiple sclerosis. 2021 , 27, 509-518	13
633	Mesenchymal stem cells derived-exosomes as a new therapeutic strategy for acute soft tissue injury. 2021 , 39, 107-115	0
632	Extracellular vesicle-based therapeutics for the regeneration of chronic wounds: current knowledge and future perspectives. 2021 , 119, 42-56	18
631	Towards analyzing the potential of exosomes to deliver microRNA therapeutics. 2021 , 236, 1529-1544	8
630	Inter-Laboratory Comparison of Extracellular Vesicle Isolation Based on Ultracentrifugation. 2021 , 48, 48-59	9
629	Extracellular Vesicles in Cancer Detection: Hopes and Hypes. 2021 , 7, 122-133	38
628	Aptamer-based CRISPR/Cas12a assay for the ultrasensitive detection of extracellular vesicle proteins. 2021 , 221, 121670	14
627	Extracellular vesicles in spontaneous preterm birth. 2021 , 85, e13353	7
626	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
625	Expression and DNA methylation profiles of EZH2-target genes in plasma exosomes and matched primary tumor tissues of the patients with diffuse large B-cell lymphoma. 2021 , 23, 1152-1166	3
624	Biological role and clinical relevance of extracellular vesicles as key mediators of cell communication in cancer. 2021 , 33, 37-117	2
623	Mesenchymal stem cell (MSC)-derived exosomes as a cell-free therapy for patients Infected with COVID-19: Real opportunities and range of promises. 2021 , 234, 105009	26
622	Spinal cord injury alters microRNA and CD81+ exosome levels in plasma extracellular nanoparticles with neuroinflammatory potential. 2021 , 92, 165-183	21
621	Plant Exosome-like Nanovesicles: Emerging Therapeutics and Drug Delivery Nanoplatforms. 2021 , 29, 13-31	43
620	Increased circulating CD31+/CD42b-EMPs in Perthes disease and inhibit HUVECs angiogenesis via endothelial dysfunction. 2021 , 265, 118749	3
619	Promising role for mesenchymal stromal cells in coronavirus infectious disease-19 (COVID-19)-related severe acute respiratory syndrome?. 2021 , 46, 100742	3
618	CD31 Extracellular Vesicles From Patients With Type 2 Diabetes Shuttle a miRNA Signature Associated With Cardiovascular Complications. 2021 , 70, 240-254	19
617	Dental Pulp Stem Cell-Derived Extracellular Vesicles Mitigate Haematopoietic Damage after Radiation. 2021 , 17, 318-331	3

616	Isolation and analysis methods of extracellular vesicles (EVs). 2021 , 2, 80-103	6
615	Emerging biogenesis technologies of extracellular vesicles for tissue regenerative therapeutics. 2021 , 12, 20417314211019015	4
614	Subpopulations of exosomes purified via different exosomal markers carry different microRNA contents. 2021 , 18, 1058-1066	3
613	Role of Exosomes for Delivery of Chemotherapeutic Drugs. 2021 , 38, 53-97	3
612	Extracellular Vesicles in Liquid Biopsies: Potential for Disease Diagnosis. 2021 , 2021, 6611244	6
611	Extracellular vesicles in bone and periodontal regeneration: current and potential therapeutic applications. 2021 , 11, 16	18
610	Isolation, Characterization, and MicroRNA Analysis of Extracellular Vesicles from Bovine Oviduct and Uterine Fluids. 2021 , 2273, 219-238	3
609	Isolation and recovery of extracellular vesicles using optically-induced dielectrophoresis on an integrated microfluidic platform. 2021 , 21, 1475-1483	8
608	Introduction to the Community of Extracellular Vesicles. 2021 , 97, 3-18	4
607	Preserving extracellular vesicles for biomedical applications: consideration of storage stability before and after isolation. 2021 , 28, 1501-1509	12
606	Study of microRNAs carried by exosomes. 2021 , 165, 187-197	0
605	Human Plasma Extracellular Vesicle Isolation and Proteomic Characterization for the Optimization of Liquid Biopsy in Multiple Myeloma. 2021 , 2261, 151-191	6
604	Bovine Milk-Derived Exosomes as a Drug Delivery Vehicle for miRNA-Based Therapy. 2021 , 22,	30
603	Brain-Derived Extracellular Vesicles in Health and Disease: A Methodological Perspective. 2021 , 22,	5
602	Exosomes in cancer. 2021 , 101, 1-40	8
601	Extracellular vesicles: Potential impact on cardiovascular diseases. 2021 , 105, 49-100	1
600	Stem Cell Based Exosomes: Are They Effective in Disease or Health?. 2021 , 1341, 45-65	
599	Composition and Clinical Significance of Exosomes in Tuberculosis: A Systematic Literature Review. 2021 , 10,	5

598	On-chip analysis of glioblastoma cell chemoresistance. 2021 , 473-490	
597	Plasma microRNA Interindividual Variability in Healthy Individuals, Pregnant Women, and an Individual with a Stably Altered Neuroendocrine Phenotype. 2021 , 67, 1676-1688	0
596	Isolation and Characterization of Shiga Toxin-Associated Microvesicles. 2021 , 2291, 207-228	1
595	Good laboratory and experimental practices for microRNA analysis in cardiovascular research. 2021 , 395-414	
594	Determination of Cholesterol and Triglyceride Concentrations in Serum Extracellular Vesicles Using Commercial Kits. 2021 , 4, e00148	
593	Cell Proliferation Is Strongly Associated with the Treatment Conditions of an ER Stress Inducer New Anti-Melanoma Drug in Melanoma Cell Lines. 2021 , 9,	2
592	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Regenerative Potential and Challenges. 2021 , 10,	6
591	Extracellular Vesicles and Exosomes: Insights From Exercise Science. 2020 , 11, 604274	31
590	Progress of exosomes in the diagnosis and treatment of lung cancer. 2021 , 134, 111111	31
589	Extracellular vesicle concentrations of glial fibrillary acidic protein and neurofilament light measured 1 year after traumatic brain injury. 2021 , 11, 3896	5
588	Extracellular Vesicles: An Emerging Nanoplatfom for Cancer Therapy. 2020 , 10, 606906	7
587	Selective loss of microvesicles is a major issue of the differential centrifugation isolation protocols. 2021 , 11, 3589	4
586	Molecular Insights into the Potential of Extracellular Vesicles Released from Mesenchymal Stem Cells and Other Cells in the Therapy of Hematologic Malignancies. 2021 , 2021, 6633386	0
585	Nano Pom-poms Prepared Highly Specific Extracellular Vesicles Expand the Detectable Cancer Biomarkers.	2
584	Extracellular vesicles as mediators and markers of acute organ injury: current concepts. 2021 , 1	4
583	Therapeutic potential of mesenchymal stem cell-derived exosomes as a cell-free therapy approach for the treatment of skin, bone, and cartilage defects. 2021 , 1-14	3
582	New multiscale characterisation methodology for effective determination of isolation-structure-function relationship of extracellular vesicles.	0
581	The influence of the R47H triggering receptor expressed on myeloid cells 2 variant on microglial exosome profiles. 2021 , 3, fcab009	1

580	Advances in Analytical Technologies for Extracellular Vesicles. 2021 , 93, 4739-4774	14
579	Overcoming biological barriers to improve solid tumor immunotherapy. 2021 , 11, 2276-2301	4
578	Importance of between and within Subject Variability in Extracellular Vesicle Abundance and Cargo when Performing Biomarker Analyses. 2021 , 10,	9
577	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. 2021 , 9,	6
576	Extracellular microvesicles promote microglia-mediated pro-inflammatory responses to ethanol. 2021 , 99, 1940-1956	13
575	Role of Exosomal miRNA in Bladder Cancer: A Promising Liquid Biopsy Biomarker. 2021 , 22,	10
574	Opto-Thermophoretic Manipulation. 2021 , 15, 5925-5943	17
573	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. 2021 , 56, 842-859.e8	8
572	Exosome-Based Delivery of Natural Products in Cancer Therapy. 2021 , 9, 650426	12
571	Human myeloma cell- and plasma-derived extracellular vesicles contribute to functional regulation of stromal cells. 2021 , 21, e2000119	4
570	Circulating exosomes in cardiovascular disease: Novel carriers of biological information. 2021 , 135, 111148	15
569	Natural IgM antibodies inhibit microvesicle-driven coagulation and thrombosis. 2021 , 137, 1406-1415	7
568	Extracellular Vesicles as Biomarkers Carriers in Bladder Cancer: Diagnosis, Surveillance, and Treatment. 2021 , 22,	3
567	Extracellular Vesicles from Mesenchymal Stromal Cells for the Treatment of Inflammation-Related Conditions. 2021 , 22,	11
566	Role of extracellular vesicles in chronic lung disease. 2021 , 76, 1047-1056	7
565	Serum exosomal microRNAs as predictive markers for EGFR mutations in non-small-cell lung cancer. 2021 , 35, e23743	4
564	Proteomic profiling in extracellular vesicles for cancer detection and monitoring. 2021 , 21, e2000094	4
563	Radiolabeled HER2-directed exosomes exhibit improved cell targeting and specificity. 2021 , 16, 553-567	1

562	HGF-Modified Dental Pulp Stem Cells Mitigate the Inflammatory and Fibrotic Responses in Paraquat-Induced Acute Respiratory Distress Syndrome. 2021 , 2021, 6662831	4
561	Immunostaining Extracellular Vesicles Based on an Aqueous Two-Phase System: For Analysis of Tetraspanins.. 2021 , 4, 3294-3303	2
560	Beyond the Extracellular Vesicles: Technical Hurdles, Achieved Goals and Current Challenges When Working on Adipose Cells. 2021 , 22,	2
559	Functional repertoire of EV-associated miRNA profiles after lipoprotein depletion via ultracentrifugation and size exclusion chromatography from autologous blood products. 2021 , 11, 5823	9
558	Lipid droplets in mammalian eggs are utilized during embryonic diapause. 2021 , 118,	6
557	Comparative Analysis of Outer Membrane Vesicle Isolation Methods With an Mutant Reveals a Hypervesiculating Phenotype With Outer-Inner Membrane Vesicle Content. 2021 , 12, 628801	9
556	Expedition into Exosome Biology: A Perspective of Progress from Discovery to Therapeutic Development. 2021 , 13,	8
555	Stem Cell-Derived Exosomes: a New Strategy of Neurodegenerative Disease Treatment. 2021 , 58, 3494-3514	15
554	Optimization of blood handling for plasma extracellular vesicle isolation. 2021 , 23, 1	0
553	Characterization of hyaluronan-coated extracellular vesicles in synovial fluid of patients with osteoarthritis and rheumatoid arthritis. 2021 , 22, 247	7
552	Characterization of Δ ARKct engineered cellular extracellular vesicles and model specific cardioprotection. 2021 , 320, H1276-H1289	4
551	The emerging role of exosomal miRNAs as a diagnostic and therapeutic biomarker in Mycobacterium tuberculosis infection. 2021 , 27, 34	8
550	Multiple-Cycle Polymeric Extracellular Vesicle Precipitation and Its Evaluation by Targeted Mass Spectrometry. 2021 , 22,	3
549	The role and potential application of extracellular vesicles in liver cancer. 2021 , 64, 1281-1294	1
548	Towards Microfluidic-Based Exosome Isolation and Detection for Tumor Therapy. 2021 , 37,	33
547	Exosomes from LPS-Stimulated hDPSCs Activated the Angiogenic Potential of HUVECs In Vitro. 2021 , 2021, 6685307	3
546	Neuronal and Astrocytic Extracellular Vesicle Biomarkers in Blood Reflect Brain Pathology in Mouse Models of Alzheimer's Disease. 2021 , 10,	7
545	Extracellular vesicles (EVs): What we know of the mesmerizing roles of these tiny vesicles in hematological malignancies?. 2021 , 271, 119177	0

544	Exosomes isolated from the miR-215-modified bone marrow mesenchymal stem cells protect HO-induced rat myoblasts via the miR-215/FABP3 pathway. 2021 , 119, 104608	1
543	Regulation of Exosomes in the Pathogenesis of Breast Cancer.	
542	Biomaterial-based extracellular vesicle delivery for therapeutic applications. 2021 , 124, 88-107	12
541	Extracellular Vesicles Derived From Canine Mesenchymal Stromal Cells in Serum Free Culture Medium Have Anti-inflammatory Effect on Microglial Cells. 2021 , 8, 633426	2
540	Mesenchymal Stem Cell-Derived Exosomes and Their Therapeutic Potential for Osteoarthritis. 2021 , 10,	8
539	Extracellular Vesicles as Promising Carriers in Drug Delivery: Considerations from a Cell Biologist's Perspective. 2021 , 10,	5
538	A study of endothelial and platelet microvesicles across different hypertension phenotypes. 2021 ,	4
537	The Mystery of Red Blood Cells Extracellular Vesicles in Sleep Apnea with Metabolic Dysfunction. 2021 , 22,	2
536	Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases: Roadmap to the Clinic. 2021 , 143, 1426-1449	42
535	Perspectives of Microscopy Methods for Morphology Characterisation of Extracellular Vesicles from Human Biofluids. 2021 , 9,	14
534	Extracellular vesicle-transferred long noncoding RNAs in bladder cancer. 2021 , 516, 34-45	1
533	Clinical applications for exosomes: Are we there yet?. 2021 , 178, 2375-2392	18
532	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12093	16.4 38
531	A Holistic Review of the State-of-the-Art Microfluidics for Exosome Separation: An Overview of the Current Status, Existing Obstacles, and Future Outlook. 2021 , 17, e2007174	15
530	Urinary Extracellular Vesicles for Diabetic Kidney Disease Diagnosis. 2021 , 10,	6
529	Exosome-Based Molecular Transfer Activity of Macrophage-Like Cells Involves Viability of Oral Carcinoma Cells: Size Exclusion Chromatography and Concentration Filter Method. 2021 , 10,	7
528	Dysfunction of the Neurovascular Unit in Ischemic Stroke: Highlights on microRNAs and Exosomes as Potential Biomarkers and Therapy. 2021 , 22,	5
527	Microvesicles and exosomes released by amnion epithelial cells under oxidative stress cause inflammatory changes in uterine cells. 2021 , 105, 464-480	6

526	Exosomes Derived from Non-Classic Sources for Treatment of Post-Traumatic Osteoarthritis and Cartilage Injury of the Knee: In Vivo Review. 2021 , 10,	3
525	Extracellular vesicle interplay in cardiovascular pathophysiology. 2021 , 320, H1749-H1761	7
524	Extracellular Vesicles as a Therapeutic Tool for Kidney Disease: Current Advances and Perspectives. 2021 , 22,	5
523	Plasma Extracellular Vesicle β -Synuclein Level in Patients with Parkinson's Disease. 2021 , 11,	2
522	Placenta-Derived Exosomes as a Modulator in Maternal Immune Tolerance During Pregnancy. 2021 , 12, 671093	12
521	Emerging Role of Exosomes in Liquid Biopsy for Monitoring Prostate Cancer Invasion and Metastasis. 2021 , 9, 679527	14
520	Application of multi-omics data integration and machine learning approaches to identify epigenetic and transcriptomic differences between in vitro and in vivo produced bovine embryos. 2021 , 16, e0252096	3
519	Understanding extracellular vesicle and nanoparticle heterogeneity: Novel methods and considerations. 2021 , 21, e2000118	11
518	Multifluorescence Single Extracellular Vesicle Analysis by Time-Sequential Illumination and Tracking. 2021 ,	4
517	New Multiscale Characterization Methodology for Effective Determination of Isolation-Structure-Function Relationship of Extracellular Vesicles. 2021 , 9, 669537	1
516	The Role of Extracellular Vesicles in Disease Progression and Detection of Hepatocellular Carcinoma. 2021 , 13,	5
515	Administration of Purified Exosome Product in a Rat Sciatic Nerve Reverse Autograft Model. 2021 , 148, 200e-211e	1
514	Critical Review of the Evolution of Extracellular Vesicles' Knowledge: From 1946 to Today. 2021 , 22,	12
513	Potential and challenges of specifically isolating extracellular vesicles from heterogeneous populations. 2021 , 11, 11585	13
512	Recent Advances in the Label-Free Characterization of Exosomes for Cancer Liquid Biopsy: From Scattering and Spectroscopy to Nanoindentation and Nanodevices. 2021 , 11,	7
511	Stem cell-free therapy for glaucoma to preserve vision.	2
510	Circulating small extracellular vesicles increase after an acute bout of moderate-intensity exercise in pregnant compared to non-pregnant women. 2021 , 11, 12615	2
509	The Application Potential and Advance of Mesenchymal Stem Cell-Derived Exosomes in Myocardial Infarction. 2021 , 2021, 5579904	10

508	EV Cargo Sorting in Therapeutic Development for Cardiovascular Disease. 2021 , 10,	4
507	Exosomes as Naturally Occurring Vehicles for Delivery of Biopharmaceuticals: Insights from Drug Delivery to Clinical Perspectives. 2021 , 11,	15
506	Development and Clinical Application of Tumor-derived Exosomes in Patients with Cancer. 2021 ,	1
505	Nucleic acid delivery with extracellular vesicles. 2021 , 173, 89-111	15
504	Nanomedicine at the crossroads - A quick guide for IVIVC. 2021 , 179, 113829	7
503	Analytical Technologies for Liquid Biopsy of Subcellular Materials. 2021 , 14, 207-229	1
502	Quantitative Capillary Electrophoresis for Analysis of Extracellular Vesicles (EVqCE). 2021 , 8, 110	0
501	Mechanism of miR-204-5p in exosomes derived from bronchoalveolar lavage fluid on the progression of pulmonary fibrosis via AP1S2. 2021 , 9, 1068	0
500	Lyophilization Preserves the Intrinsic Cardioprotective Activity of Bioinspired Cell-Derived Nanovesicles. 2021 , 13,	2
499	Separation, characterization, and standardization of extracellular vesicles for drug delivery applications. 2021 , 174, 348-368	26
498	Emerging technologies and commercial products in exosome-based cancer diagnosis and prognosis. 2021 , 183, 113176	16
497	Progress in the research of nanomaterial-based exosome bioanalysis and exosome-based nanomaterials tumor therapy. 2021 , 274, 120873	8
496	Proficiency of Carboxymethylcellulose as a Cryoprotectant. Clinical and Histological Evaluation of Cryopreserved Heterogenous Mesenchymal Stem Cell-Exosomal Hydrogel on Critical Size Skin Wounds in Dogs.. 2021 , 15, 178-191	
495	Extracellular Vesicles in the Cornea: Insights from Other Tissues. 2021 , 2021, 9983900	6
494	Protein glycosylation in extracellular vesicles: Structural characterization and biological functions. 2021 , 135, 226-246	8
493	Enhancing the Stabilization Potential of Lyophilization for Extracellular Vesicles. 2021 , e2100538	10
492	Mesenchymal Stromal Cell-Derived Tailored Exosomes Treat Bacteria-Associated Diabetes Foot Ulcers: A Customized Approach From Bench to Bed. 2021 , 12, 712588	4
491	Biophotonics for diagnostic detection of extracellular vesicles. 2021 , 174, 229-249	3

490	Periodontal and Dental Pulp Cell-Derived Small Extracellular Vesicles: A Review of the Current Status. 2021 , 11,	4
489	Increased activity of procoagulant factors in patients with small cell lung cancer. 2021 , 16, e0253613	3
488	Role of Extracellular Vesicle-Derived Biomarkers in Drug Metabolism and Disposition. 2021 , 49, 961-971	5
487	Freeze-drying of nanoparticles: How to overcome colloidal instability by formulation and process optimization. 2021 , 165, 345-360	11
486	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. 2021 , 6, 300	7
485	Therapeutic Effects of Hyaluronic Acid Against Cytotoxic Extracellular Vesicles Released During Pseudomonas Aeruginosa Pneumonia. 2021 ,	
484	Tissue factor and its procoagulant activity on cancer-associated thromboembolism in pancreatic cancer. 2021 , 112, 4679-4691	4
483	The roles of small extracellular vesicles in lung cancer: Molecular pathology, mechanisms, diagnostics, and therapeutics. 2021 , 1876, 188539	2
482	Optimizing extracellular vesicles' isolation from chronic lymphocytic leukemia patient plasma and cell line supernatant. 2021 , 6,	1
481	Exosomes in Post-Ischemic Brain.	
480	Coupling size exclusion chromatography to ultracentrifugation improves detection of exosomal proteins from human plasma by LC-MS. 2021 , 26, e00241	3
479	Mesenchymal Stem Cell-Derived Exosomes: Applications in Regenerative Medicine. 2021 , 10,	25
478	Matrix-assisted laser desorption ionization mass spectrometry profiling of plasma exosomes evaluates osteosarcoma metastasis. 2021 , 24, 102906	1
477	Extracellular vesicle associated and soluble immune marker profiles of psychoneurological symptom clusters in men with prostate cancer: an exploratory study. 2021 , 11, 440	1
476	Extracellular vesicle-associated miRNAs are an adaptive response to gestational diabetes mellitus. 2021 , 19, 360	8
475	A New Role for Extracellular Vesicles in Cardiac Tissue Engineering and Regenerative Medicine.. 2021 , 1, 2100047	2
474	The role of extracellular vesicles in regulating local and systemic inflammation in cardiovascular disease. 2021 , 170, 105692	2
473	Optimisation and comparison of orthogonal methods for separation and characterisation of extracellular vesicles to investigate how representative infant milk formula is of milk. 2021 , 353, 129309	4

472	CD63-mediated cloaking of VEGF in small extracellular vesicles contributes to anti-VEGF therapy resistance. 2021 , 36, 109549	2
471	Liposomes: An Emerging Approach for the Treatment of Cancer. 2021 , 27, 2398-2414	1
470	Exosomes in Lung Cancer: Actors and Heralds of Tumor Development. 2021 , 13,	1
469	MiR-195-5p and miR-205-5p in extracellular vesicles isolated from diabetic foot ulcer wound fluid decrease angiogenesis by inhibiting VEGFA expression. 2021 , 13, 19805-19821	4
468	Extracellular vesicles as a drug delivery system: A systematic review of preclinical studies. 2021 , 175, 113801	24
467	Translational Potential of RNA Derived From Extracellular Vesicles in Multiple Myeloma. 2021 , 11, 718502	0
466	Extracellular Vesicles in Regeneration and Rehabilitation Recovery after Stroke. 2021 , 10,	0
465	Characterization of RNA in Extracellular Vesicles. 2021 , 11, 7520	1
464	The Yin and Yang of exosome isolation methods: conventional practice, microfluidics, and commercial kits. 2021 , 54, 107814	13
463	Extracellular Vesicles: New Tools for Early Diagnosis of Breast and Genitourinary Cancers. 2021 , 22,	2
462	Label-Free Quantitative Phase Imaging Reveals Spatial Heterogeneity of Extracellular Vesicles in Select Colon Disorders. 2021 , 191, 2147-2171	3
461	Extracellular vesicles in urological malignancies. 2021 , 1876, 188570	2
460	Secreted retrovirus-like GAG-domain-containing protein PEG10 is regulated by UBE3A and is involved in Angelman syndrome pathophysiology. 2021 , 2, 100360	6
459	The mini player with diverse functions: extracellular vesicles in cell biology, disease, and therapeutics. 2021 , 1	14
458	Challenges and opportunities in the study of extracellular vesicles: Global institutional context and national state of the art. 2021 , 41, 555-589	
457	Exosomes and extracellular vesicles: Rethinking the essential values in cancer biology. 2021 , 74, 79-91	9
456	Therapeutic effects of high molecular weight hyaluronic acid in severe pneumonia in ex vivo perfused human lungs. 2021 , 321, L827-L836	1
455	A simple immunoassay for extracellular vesicle liquid biopsy in microliters of non-processed plasma.	

454	Establishment of a simplified dichotomic size-exclusion chromatography for isolating extracellular vesicles toward clinical applications. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12145	16.4	11
453	Biosensor-based assay of exosome biomarker for early diagnosis of cancer. 2021 , 1		5
452	Nanoscale Extracellular Vesicles Carry the Mechanobiology Signatures of Breast Cancer Cells. 2021 , 4, 9876-9885		1
451	Bacterial Outer Membrane Vesicles as Antibiotic Delivery Vehicles. 2021 , 12, 733064		7
450	Characterization and Therapeutic Use of Extracellular Vesicles Derived from Platelets. 2021 , 22,		4
449	Extracellular vesicles, the cornerstone of next-generation cancer diagnosis?. 2021 , 74, 105-120		9
448	PSMA-positive membranes secreted from prostate cancer cells have potency to transform vascular endothelial cells into an angiogenic state. 2021 , 81, 1390-1401		2
447	Identifying extracellular vesicle populations from single cells. 2021 , 118,		9
446	EV Translational Horizons as Viewed Across the Complex Landscape of Liquid Biopsies. 2021 , 9, 556837		1
445	Exosomes as natural delivery carriers for programmable therapeutic nucleic acid nanoparticles (NANPs). 2021 , 176, 113835		9
444	Extracellular Vesicles: Emerging Therapeutics in Cutaneous Lesions. 2021 , 16, 6183-6202		2
443	Extracellular vesicles: the key for precision medicine in glioblastoma. 2021 ,		3
442	Plasma extracellular vesicles tau and β -amyloid as biomarkers of cognitive dysfunction of Parkinson's disease. 2021 , 35, e21895		3
441	Harnessing the therapeutic potential of extracellular vesicles for cancer treatment. 2021 , 74, 92-104		4
440	The role of stem cell-derived exosomes in the repair of cutaneous and bone tissue. 2021 ,		0
439	The Potential of Milk-Derived Exosomes for Drug Delivery. 2021 , 18, 688-699		1
438	Comparison of methods for pre-processing, exosome isolation, and RNA extraction in unpasteurized bovine and human milk. 2021 , 16, e0257633		4
437	Application of Extracellular Vesicles in Aquatic Animals: A Review of the Latest Decade. 1-20		1

436	ATR-FTIR spectroscopy for the routine quality control of exosome isolations. 2021 , 217, 104401	3
435	Emerging immunoassay technologies for the rapid detection of exosomes. 2021 , 345, 130336	2
434	Perspectives and challenges in extracellular vesicles untargeted metabolomics analysis. 2021 , 143, 116382	7
433	High-quality milk exosomes as oral drug delivery system. 2021 , 277, 121126	7
432	Extracellular Vesicle Proteomes Shed Light on the Evolutionary, Interactive, and Functional Divergence of Their Biogenesis Mechanisms. 2021 , 9, 734950	1
431	Extracellular vesicles and immunogenic stress in cancer. 2021 , 12, 894	1
430	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. 2021 , 191, 113465	14
429	Emerging biosensing platforms for quantitative detection of exosomes as diagnostic biomarkers. 2021 , 446, 214111	6
428	Small extracellular vesicles in cancer. 2021 , 6, 3705-3743	21
427	Recent advances of emerging microfluidic chips for exosome mediated cancer diagnosis. 2021 , 2, 158-171	3
426	Exosome isolation using nanostructures and microfluidic devices. 2021 , 16, 022005	6
425	Circulating Exosomes of Neuronal Origin as Potential Early Biomarkers for Development of Stroke. 2021 , 25, 163-180	4
424	An Immunocapture-Based Assay for Detecting Multiple Antigens in Melanoma-Derived Extracellular Vesicles. 2021 , 2265, 323-344	2
423	Nanoparticles from culture media are internalized by γ -produced bovine embryos and its depletion affect expression of pluripotency genes. 2021 , 18, e20200028	1
422	Extracellular vesicles and female reproduction. 2021 , 38, 549-557	2
421	A simple, high-throughput method of protein and label removal from extracellular vesicle samples. 2021 , 13, 3737-3745	
420	The characterization of exosomes from fibrosarcoma cell and the useful usage of Dynamic Light Scattering (DLS) for their evaluation. 2021 , 16, e0231994	8
419	Engineered exosomes: desirable target-tracking characteristics for cerebrovascular and neurodegenerative disease therapies. 2021 , 11, 8926-8944	9

418	Exploiting Microfluidics for Extracellular Vesicle Isolation and Characterization: Potential Use for Standardized Embryo Quality Assessment. 2020 , 7, 620809	9
417	Direct isolation of circulating extracellular vesicles from blood for vascular risk profiling in type 2 diabetes mellitus. 2021 , 21, 2511-2523	7
416	Preservation of small extracellular vesicles for functional analysis and therapeutic applications: a comparative evaluation of storage conditions. 2021 , 28, 162-170	24
415	Comprehensive evaluation of methods for small extracellular vesicles separation from human plasma, urine and cell culture medium. <i>Journal of Extracellular Vesicles</i> , 2020 , 10, e12044	16.4 36
414	Cancer Exosomes for Early Pancreatic Cancer Diagnosis and Role in Metastasis. 2017 , 1-17	1
413	Isolation and Characterization of Extracellular Vesicles in Stem Cell-Related Studies. 2017 , 205-223	1
412	Techniques Associated with Exosome Isolation for Biomarker Development: Liquid Biopsies for Ovarian Cancer Detection. 2020 , 2055, 181-199	5
411	Isolation/Analysis of Extracellular Microvesicles from HSV-1-Infected Cells. 2020 , 2060, 305-317	4
410	Liquid Biopsy in Hepatocellular Carcinoma. 2019 , 125-141	3
409	Circulating miRNAs as Biomarker in Cancer. 2020 , 215, 277-298	19
408	The Potential of Factors Released from Mesenchymal Stromal Cells as Therapeutic Agents in the Lung. 2019 , 57-70	1
407	Technical Aspects Related to the Analysis of Circulating microRNAs. 2015 , 106, 55-71	7
406	Extracellular Vesicles in Multiple Sclerosis as Possible Biomarkers: Dream or Reality?. 2017 , 958, 1-9	5
405	Recent Advances in Experimental Models of Breast Cancer Exosome Secretion, Characterization and Function. 2020 , 25, 305-317	3
404	Quantification of mtDNA in extracellular vesicles. 2020 , 645, 119-140	0
403	The bright and dark side of extracellular vesicles in the senescence-associated secretory phenotype. 2020 , 189, 111263	23
402	Epstein-Barr virus-infected cells release Fas ligand in exosomal fractions and induce apoptosis in recipient cells via the extrinsic pathway. 2015 , 96, 3646-3659	27
401	Molecular and functional diversity of distinct subpopulations of extracellular vesicles from stressed pancreatic beta cells: implications for autoimmunity.	4

400	Conserved and Divergent Modulation of Calcification in Atherosclerosis and Aortic Valve Disease by Tissue Extracellular Vesicles.	2
399	Enhanced recovery of CD9-positive extracellular vesicles from human specimens by chelating reagent.	1
398	Comparison of methods for milk pre-processing, exosome isolation, and RNA extraction in bovine and human milk.	1
397	EVQuant; high-throughput quantification and characterization of extracellular vesicle (sub)populations.	3
396	Programmable Modulation for Extracellular Vesicles.	7
395	Isolation and characterisation of watermelon (<i>Citrullus lanatus</i>) extracellular vesicles and their cargo.	4
394	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. 2019 , 4,	53
393	Exosomes: isolation methods and specific markers. 5,	34
392	Avoiding false positive antigen detection by flow cytometry on blood cell derived microparticles: the importance of an appropriate negative control. 2015 , 10, e0127209	15
391	Immunophenotypic Profiling of Erythroid Progenitor-Derived Extracellular Vesicles in Diamond-Blackfan Anaemia: A New Diagnostic Strategy. 2015 , 10, e0138200	7
390	Flow Cytometric Quantification of Peripheral Blood Cell Adrenergic Receptor Density and Urinary Endothelial Cell-Derived Microparticles in Pulmonary Arterial Hypertension. 2016 , 11, e0156940	15
389	Polymer-based precipitation preserves biological activities of extracellular vesicles from an endometrial cell line. 2017 , 12, e0186534	52
388	Aqueous two-phase system to isolate extracellular vesicles from urine for prostate cancer diagnosis. 2018 , 13, e0194818	19
387	Analysis of RNA yield in extracellular vesicles isolated by membrane affinity column and differential ultracentrifugation. 2020 , 15, e0238545	11
386	Effect of collection matrix, platelet depletion, and storage conditions on plasma extracellular vesicles and extracellular vesicle-associated miRNAs measurements. 2021 , 59, 893-903	4
385	EXTRACELLULAR VESICLES: CLASSIFICATION, FUNCTIONS AND CLINICAL RELEVANCE. 2014 , 7, 102-108	4
384	[Isolation and characterization of exosomes from blood plasma of breast cancer and colorectal cancer patients]. 2017 , 63, 165-169	12
383	The functions and clinical applications of tumor-derived exosomes. 2016 , 7, 60736-60751	60

382	MiR-21-5p in urinary extracellular vesicles is a novel biomarker of urothelial carcinoma. 2017 , 8, 24668-24678	51
381	Tumour-associated circulating microparticles: A novel liquid biopsy tool for screening and therapy monitoring of colorectal carcinoma and other epithelial neoplasia. 2016 , 7, 30867-75	27
380	Exosomal lncRNAs: the newest promising liquid biopsy.. 2019 , 2, 1002-1017	6
379	Extracellular vesicles: emerging mediators of intercellular communication and tumor angiogenesis. 2017 , 5, 59	6
378	Nexus between extracellular vesicles, immunomodulation and tissue remodeling: for good or for bad?. 2017 , 5, 139	9
377	Quality Assessment and Comparison of Plasma-Derived Extracellular Vesicles Separated by Three Commercial Kits for Prostate Cancer Diagnosis. 2020 , 15, 10241-10256	4
376	Extracellular Vesicles as Drug Delivery Systems - Methods of Production and Potential Therapeutic Applications. 2019 , 25, 132-154	28
375	Intercellular Crosstalk Via Extracellular Vesicles in Tumor Milieu as Emerging Therapies for Cancer Progression. 2019 , 25, 1980-2006	5
374	Blood Circulating Exosomes Contain Distinguishable Fractions of Free and Cell-Surface-Associated Vesicles. 2019 , 19, 273-285	16
373	Exosome: An Emerging Source of Biomarkers for Human Diseases. 2019 , 19, 387-394	15
372	A Pilot Study of Exenatide Actions in Alzheimer's Disease. 2019 , 16, 741-752	30
371	Potential application of mesenchymal stem cell-derived exosomes as a novel therapeutic drug. 2014 , 29, 140-151	1
370	MicroRNA-34a-5p expression in the plasma and in its extracellular vesicle fractions in subjects with Parkinson's disease: An exploratory study. 2021 , 47, 533-546	15
369	Reduced expression of exosomal miR-29s in peritoneal fluid is a useful predictor of peritoneal recurrence after curative resection of gastric cancer with serosal involvement. 2020 , 43, 1081-1088	13
368	The role of exosomes in peripheral nerve regeneration. 2015 , 10, 743-7	36
367	Multifunctional role of microRNAs in mesenchymal stem cell-derived exosomes in treatment of diseases. 2020 , 12, 1276-1294	16
366	Protein contaminations impact quantification and functional analysis of extracellular vesicle preparations from mesenchymal stromal cells. 2015 , 11, 44-7	6
365	Extracellular Vesicles as a Source of Urological Biomarkers: Lessons Learned From Advances and Challenges in Clinical Applications to Major Diseases. 2017 , 21, 83-96	10

- 364 Extracellular vesicles as mediators of vascular inflammation in kidney disease. **2016**, 5, 125-38 18
- 363 Texosome-based drug delivery system for cancer therapy: from past to present. **2015**, 12, 150-62 10
- 362 Human perivascular stem cell-derived extracellular vesicles mediate bone repair. **2019**, 8, 37
- 361 Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey With a Focus on Transferred microRNAs. **2021**, 9, 766371 1
- 360 Current Technologies for RNA-Directed Liquid Diagnostics. **2021**, 13, 2
- 359 The Origin of Plasma-Derived Bacterial Extracellular Vesicles in Healthy Individuals and Patients with Inflammatory Bowel Disease: A Pilot Study. **2021**, 12, 3
- 358 Comparison of exosome isolation methods for biomedical research. **2021**, 17, 76-79
- 357 Urinary extracellular vesicles: Assessment of pre-analytical variables and development of a quality control with focus on transcriptomic biomarker research. *Journal of Extracellular Vesicles*, **2021**, 10, e12158¹⁶⁴ 7
- 356 Roles of Microvesicles in Tumor Progression and Clinical Applications. **2021**, 16, 7071-7090 7
- 355 Extracellular Vesicle Enriched miR-625-3p Is Associated with Survival of Malignant Mesothelioma Patients. **2021**, 11, 0
- 354 Mesenchymal Stromal Cells and Extracellular Vesicles. **2022**, 171-193 0
- 353 Application of extracellular vesicles in the diagnosis and treatment of prostate cancer: Implications for clinical practice. **2021**, 167, 103495 3
- 352 Techniques for increasing the yield of stem cell-derived exosomes: what factors may be involved?. **2021**, 1 4
- 351 Extracellular vesicle-associated small heat shock proteins as therapeutic agents in neurodegenerative diseases and beyond. **2021**, 179, 114009 1
- 350 Bladder cancer exosomes: Getting the message across. **2016**, 5, 18
- 349 Proteomic Analysis of Extracellular Vesicles in Neurological Diseases. **2017**, 245-253
- 348 Is advanced Coupling Methods best fitted in Biosensing of Microparticles?. **2017**, 1, 054-060
- 347 Identification of potential blood-derived extracellular vesicles biomarkers to diagnose and predict distant metastases in ER+ breast cancer patients. 3

- 346 Circulating Molecular and Cellular Biomarkers in Cancer. 607-656 1
- 345 Endogenous Radionanomedicine: Biodistribution and Imaging. **2018**, 153-165 1
- 344 Standardization of Sampling for Isolation of Exosome-Like Small-Extracellular Vesicles from Peripheral Blood from Reproductive-Aged Women. **2018**, 08, 1063-1070
- 343 miRNA profiling of primate cervicovaginal lavage and extracellular vesicles reveals miR-186-5p as a potential retroviral restriction factor in macrophages.
- 342 Blood-derived extracellular vesicle proteins as potential biomarkers for the diagnosis of early ER+ breast cancer and detection of lymph node involvement. **2018**, 7, 283 1
- 341 Blood-derived extracellular proteins as potential biomarkers for the diagnosis of early ER+ breast cancer and detection of lymph node involvement. 7, 283
- 340 Blood-derived non-extracellular vesicle proteins as potential biomarkers for the diagnosis of early ER+ breast cancer and detection of lymph node involvement. **2018**, 7, 283 1
- 339 Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-inflammatory Effects. **2019**, 89-123 1
- 338 Mesenchymal Stem (Stromal) Cell Communications in Their Niche and Beyond: The Role of Extracellular Vesicles and Organelle Transfer in Lung Regeneration. **2019**, 229-229
- 337 Role of Altered Extracellular Signalling in Cellular Senescence. **2019**,
- 336 Future Perspectives of Bone Tissue Engineering with Special Emphasis on Extracellular Vesicles. **2019**, 159-169
- 335 Isolation and quantification of blood apoptotic bodies in neurological patients. 1
- 334 The Landscape of PPM Informatics and the Future of Medicine. **2020**, 333-343
- 333 Liquid Biopsy Diagnosis of CNS Metastases. **2020**, 73-86
- 332 Optimisation and comparison of orthogonal methods for separation and characterisation of extracellular vesicles to investigate how representative infant milk formula is of milk.
- 331 A simple, high-throughput method of protein and label removal from extracellular vesicle samples.
- 330 Composition, isolation, identification and function of adipose tissue-derived exosomes. **2021**, 10, 587-604 3
- 329 Extracellular vesicles as a new hope for diagnosis and therapeutic intervention for hepatocellular carcinoma. **2021**, 10, 8253-8271 2

328	Extracellular Vesicles Deliver Mitochondria and HSP27 Protein to Protect the Blood-Brain Barrier.	0
327	Plant and animal small RNA communications between cells and organisms. 2021 ,	13
326	Advances in extracellular vesicles analysis. 2020 , 97, 73-116	2
325	Isolation and Characterization of T Lymphocyte-Exosomes Using Mass Spectrometry. 2020 , 2184, 91-102	2
324	Adsorption of extracellular vesicles onto the tube walls during storage in solution. 2020 , 15, e0243738	9
323	Cell-Derived Nanovesicles as Exosome-Mimetics for Drug Delivery Purposes: Uses and Recommendations. 2021 , 2211, 147-170	2
322	Role of reproductive fluids and extracellular vesicles in embryo–maternal interaction during early pregnancy in cattle.. 2021 , 34, 117-138	
321	Sensitivity of Extracellular Vesicles from Human Blood Serum to Various Detergents. 2020 , 3, e00143	1
320	Extracellular Vesicles: The Next Frontier in Regenerative Medicine and Drug Delivery. 2020 , 1249, 143-160	0
319	Adipocyte lipolysis and lipid-derived metabolite signaling. 2020 , 115-129	
318	Moderne Techniken in der angewandten Zellkultur. 2020 , 311-351	
317	Large extracellular vesicles can be characterised by multiplex labelling using imaging flow cytometry.	0
316	Astrocyte- and neuron-derived extracellular vesicles from Alzheimer–disease patients effect complement-mediated neurotoxicity.	2
315	NcRNAs in Vascular and Valvular Intercellular Communication. 2021 , 8, 749681	1
314	Hypoxia preconditioned mesenchymal stem cell-derived exosomes induce ex vivo expansion of umbilical cord blood hematopoietic stem cells CD133+ by stimulation of Notch signaling pathway. 2021 , e3222	3
313	Exosomes: Natural Nanoparticles with Therapeutic Potential. 2020 , 15, 415-427	
312	Hemolysis-free plasma miR-214 as novel biomarker of gastric cancer and is correlated with distant metastasis. 2015 , 5, 821-9	18
311	Application of a clot-based assay to measure the procoagulant activity of stored allogeneic red blood cell concentrates. 2018 , 16, 163-172	2

310	[Research Progress of Exosomes in Lung Cancer Diagnosis and Treatment]. 2016 , 19, 778-783	1
309	Exosomal long non-coding RNAs as biomarkers in human diseases. 2019 , 30, 224-236	30
308	Focus on exosomes: novel pathogenic components of leukemia. 2019 , 9, 1815-1829	15
307	[Progress and analysis methods of clinical application of extracellular vesicles]. 2017 , 37, 1559-inside back cover	
306	Optimization of urinary small extracellular vesicle isolation protocols: implications in early diagnosis, stratification, treatment and prognosis of diseases in the era of personalized medicine. 2020 , 12, 6302-6313	2
305	Extracellular vesicles and its advances in female reproduction. 2020 , 16, 31-38	2
304	Exosomes in osteosarcoma research and preclinical practice. 2021 , 13, 882-897	5
303	Diez años de investigación en vesículas extracelulares de células mesenquimales para tratar enfermedades pulmonares. 2021 , 80, 179-187	
302	Extracellular Vesicles and Alveolar Epithelial-Capillary Barrier Disruption in Acute Respiratory Distress Syndrome: Pathophysiological Role and Therapeutic Potential. 2021 , 12, 752287	1
301	CD24 and IgM Stimulation of B Cells Triggers Transfer of Functional B Cell Receptor to B Cell Recipients Via Extracellular Vesicles. 2021 ,	0
300	Special delEVery: Extracellular Vesicles as Promising Delivery Platform to the Brain. 2021 , 9,	5
299	Plasma-Derived Extracellular Vesicles Reveal Galectin-3 Binding Protein as Potential Biomarker for Early Detection of Glioma.. 2021 , 11, 778754	0
298	Emerging on-chip electrokinetic based technologies for purification of circulating cancer biomarkers towards liquid biopsy: A review. 2021 , 43, 288	1
297	A systematic update to circulating extracellular vesicles proteome; transcriptome and small RNA-ome as glioma diagnostic, prognostic and treatment-response biomarkers.. 2021 , 30, 100490	0
296	Application of Stem Cell-Derived Extracellular Vesicles as an Innovative Theranostics in Microbial Diseases.. 2021 , 12, 785856	1
295	Chondrogenic differentiation induced by extracellular vesicles bound to a nanofibrous substrate. 2021 , 6, 79	2
294	Extracellular vesicles as a source of prostate cancer biomarkers in liquid biopsies: a decade of research. 2021 ,	0
293	Extracellular Vesicles for the Diagnosis of Cancers. 2100096	0

292	Molecular Profile Study of Extracellular Vesicles for the Identification of Useful Small Biomarkers in Cancer Diagnosis. 2021 , 11, 10787	0
291	Mesenchymal Stem Cell-Derived Exosomes: The New Frontier for the Treatment of Intervertebral Disc Degeneration. 2021 , 11, 11222	0
290	Advances in Biosensors Technology for Detection and Characterization of Extracellular Vesicles. 2021 , 21,	2
289	Extracellular Vesicles in Osteosarcoma: Antagonists or Therapeutic Agents?. 2021 , 22,	1
288	Blood Nanoparticles - Influence on Extracellular Vesicle Isolation and Characterization. 2021 , 12, 773844	6
287	Extracellular Vesicles in Lung Cancer Metastasis and Their Clinical Applications. 2021 , 13,	3
286	The Past, the Present, and the Future of the Size Exclusion Chromatography in Extracellular Vesicles Separation. 2021 , 13,	3
285	Extracellular Vesicles in Kidney Transplantation: A State of the Art Review. 2021 ,	3
284	Exosomes and Exosomal Non-coding RNAs Are Novel Promises for the Mechanism-Based Diagnosis and Treatments of Atrial Fibrillation.. 2021 , 8, 782451	0
283	[Pathogenesis and morphological changes in the lung in COVID-19]. 2021 , 83, 54-59	
282	Precise Molecular Profiling of Circulating Exosomes Using a Metal-Organic Framework-Based Sensing Interface and an Enzyme-Based Electrochemical Logic Platform.. 2022 ,	5
281	Isolation of small extracellular vesicles from a drop of plasma via EXODUS and their fingerprint proteomics profiling by MALDI-TOF MS. 2022 , 10, 100099	0
280	Microfluidic Approaches and Methods Enabling Extracellular Vesicle Isolation for Cancer Diagnostics.. 2022 , 13,	1
279	Benchmarking a Microfluidic-Based Filtration for Isolating Biological Particles.. 2022 ,	2
278	Methodologies to Isolate and Purify Clinical Grade Extracellular Vesicles for Medical Applications.. 2022 , 11,	6
277	Application of Magnetic Nanoparticles for Rapid Detection and In Situ Diagnosis in Clinical Oncology.. 2022 , 14,	4
276	miRNAs derived from plasma small extracellular vesicles predict organo-tropic metastasis of gastric cancer.. 2022 , 25, 360	3
275	Small Extracellular Vesicles from Human Amniotic Fluid Samples as Promising Theranostics.. 2022 , 23,	0

274	Extracellular vesicles in ovarian cancer chemoresistance, metastasis, and immune evasion.. 2022 , 13, 64		4
273	Exosome as a Delivery Vehicle for Cancer Therapy.. 2022 , 11,		5
272	The impact of storage on extracellular vesicles: A systematic study.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12162	16.4	11
271	Exosomes: Biological Pharmaceutical Nanovectors for Theranostics.. 2021 , 9, 808614		7
270	A novel approach for enumeration of extracellular vesicles from crude and purified cell culture samples.. 2022 , 22, 334-343		1
269	Utilising extracellular vesicles for early cancer diagnostics: benefits, challenges and recommendations for the future.. 2022 ,		2
268	Nanomaterials-Based Urinary Extracellular Vesicles Isolation and Detection for Non-invasive Auxiliary Diagnosis of Prostate Cancer.. 2021 , 8, 800889		1
267	Characterization of surface markers on extracellular vesicles isolated from lymphatic exudate from patients with breast cancer.. 2022 , 22, 50		3
266	Exosomes and exosome-mimetics as targeted drug carriers: Where we stand and what the future holds?. 2022 , 68, 103057		
265	Biomedical application of small extracellular vesicles in cancer treatment.. 2022 , 114117		2
264	MSCs-exosomes in regeneration medicine: Current evidence and future perspectives. 2022 , 46, 1459-1463		0
263	Irreversible alteration of extracellular vesicle and cell-free messenger RNA profiles in human plasma associated with blood processing and storage.. 2022 , 12, 2099		2
262	Extracellular Vesicles in Transplantation.. 2022 , 13, 800018		1
261	A simple immunoassay for extracellular vesicle liquid biopsy in microliters of non-processed plasma.. 2022 , 20, 72		0
260	A brief history of nearly EV-erything - The rise and rise of extracellular vesicles.. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12144	16.4	18
259	Recent advances in liquid biopsy technologies for cancer biomarker detection.		4
258	Exosomes as Radiation Biomarkers. 2022 , 125-136		
257	Cell culture metabolomics and lipidomics. 2022 , 415-456		

256	MicroRNAs and exosomes: promising new biomarkers in acute myeloid leukemias?. 2022 , 20, eRB5954		
255	Early Prediction of Preeclampsia: Serum and Exosomal Biomarkers.		
254	Extracellular vesicles in gestational diabetes mellitus: A scoping review.. 2022 , 19, 14791641221093901		1
253	A modular microfluidic platform for serial enrichment and harvest of pure extracellular vesicles.. 2022 ,		0
252	Approaches to incorporate extracellular vesicles into exposure science, toxicology, and public health research.. 2022 ,		0
251	Exosomes and Other Extracellular Vesicles with High Therapeutic Potential: Their Applications in Oncology, Neurology, and Dermatology.. 2022 , 27,		2
250	Exosomes in the Pathogenesis, Progression, and Treatment of Osteoarthritis.. 2022 , 9,		2
249	AN IMAGING FLOW CYTOMETRY-BASED METHODOLOGY FOR THE ANALYSIS OF SINGLE EXTRACELLULAR VESICLES IN UNPROCESSED HUMAN PLASMA.		
248	Skeletal muscle-derived extracellular vesicles are altered with chronic contractile activity.		1
247	Using extracellular vesicles derived from human umbilical cord mesenchymal stem cells for a topical coating promotes oral mucositis healing in rats.. 2022 , 10, 290		
246	Plasma extracellular vesicle derived protein profile predicting and monitoring immunotherapeutic outcomes of gastric cancer.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12209	16.4	1
245	Challenges in the Development of Drug Delivery Systems Based on Small Extracellular Vesicles for Therapy of Brain Diseases.. 2022 , 13, 839790		2
244	Potential clinical applications of exosomes in the diagnosis, treatment, and prognosis of cardiovascular diseases: a narrative review.. 2022 , 10, 372		2
243	L1CAM-associated extracellular vesicles: A systematic review of nomenclature, sources, separation, and characterization.. 2022 , 1,		2
242	Beneficial Effects of Bovine Milk Exosomes in Metabolic Interorgan Cross-Talk.. 2022 , 14,		4
241	Quality Management Tools on the Stage: Old but New Allies for Rigor and Standardization of Extracellular Vesicle Studies.. 2022 , 10, 826252		0
240	Extracellular Vesicles in Type 1 Diabetes: A Versatile Tool.. 2022 , 9,		1
239	Exosomes as Promising Nanostructures in Diabetes Mellitus: From Insulin Sensitivity to Ameliorating Diabetic Complications.. 2022 , 17, 1229-1253		1

238	Bioactivity and miRNome Profiling of Native Extracellular Vesicles in Human Induced Pluripotent Stem Cell-Cardiomyocyte Differentiation.. 2022 , e2104296	2
237	Role of Exosomal miR-223 in Chronic Skeletal Muscle Inflammation.. 2022 ,	0
236	Importance of Extracellular Vesicle Derived RNAs as Critical Colorectal Cancer Biomarkers.	1
235	microRNA-148a in Exosomes Derived from Bone Marrow Mesenchymal Stem Cells Alleviates Cardiomyocyte Apoptosis in Atrial Fibrillation by Inhibiting SMOC2.. 2022 , 1	0
234	Exosomes - Spectacular role in reproduction.. 2022 , 148, 112752	1
233	Therapeutic properties of stem cell-derived exosomes in ischemic heart disease.. 2022 , 920, 174839	1
232	A systematic review on the role of MSC-derived exosomal miRNAs in the treatment of heart failure.. 2022 , 1	0
231	Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations.. 2022 , 9, 021903	3
230	Tackling the effects of extracellular vesicles in fibrosis.. 2022 , 101, 151221	1
229	Comparative analysis of extracellular vesicles isolated from human mesenchymal stem cells by different isolation methods and visualisation of their uptake.. 2022 , 414, 113097	2
228	Extracellular Vesicles as Intercellular Communication Vehicles in Regenerative Medicine.	
227	Extracellular Vesicles: Potential Role in Remote Signaling and Inflammation in -Triggered Disease.. 2021 , 9, 798054	3
226	Small Extracellular Vesicles Derived from Human Chorionic MSCs as Modern Perspective towards Cell-Free Therapy.. 2021 , 22,	1
225	A Novel Flow Cytometric Approach for the Quantification and Quality Control of Preparations.. 2021 , 10,	0
224	Isolation and characterization of fucosylated extracellular vesicles based on a novel GlyExo-Capture technique.	
223	Technological Approaches in the Analysis of Extracellular Vesicle Nucleotide Sequences.. 2021 , 9, 787551	0
222	Plasma Exosomal Mir-423-5p Is Involved in the Occurrence and Development of Bicuspid Aortopathy TGF- β /SMAD2 Pathway.. 2021 , 12, 759035	2
221	Therapeutic applications of exosomes in various diseases: A review.. 2021 , 112579	0

220	Transient Focal Cerebral Ischemia Leads to miRNA Alterations in Different Brain Regions, Blood Serum, Liver, and Spleen.. 2021 , 23,	2
219	The Role of Exosomes in Cancer Progression.. 2021 , 23,	2
218	Comparison of the capillary-channeled polymer (C-CP) fiber spin-down tip approach to traditional methods for the isolation of extracellular vesicles from human urine.. 2022 , 414, 3813	0
217	Circular RNA Fbxl5 Regulates Cardiomyocyte Apoptosis During Ischemia Reperfusion Injury via Sponging microRNA-146a.. 2022 , 15, 2539-2550	0
216	Role of extracellular vesicles in severe pneumonia and sepsis.. 2022 ,	1
215	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. 2022 , 463, 214538	2
214	Data_Sheet_1.PDF. 2020 ,	
213	Table_1.XLS. 2020 ,	
212	Table_2.XLS. 2020 ,	
211	Table_3.XLS. 2020 ,	
210	Table_4.XLS. 2020 ,	
209	Table_5.XLS. 2020 ,	
208	Table_6.XLS. 2020 ,	
207	Table_7.XLS. 2020 ,	
206	presentation_1.PDF. 2018 ,	
205	Data_Sheet_1.zip. 2020 ,	
204	Presentation_1.pptx. 2020 ,	
203	Data_Sheet_1.DOCX. 2018 ,	

202 Image_1.JPEG. 2018,

201 Image_2.JPEG. 2018,

200 Image_3.JPEG. 2018,

199 Image_4.JPEG. 2018,

198 Image_5.JPEG. 2018,

197 Image_6.JPEG. 2018,

196 Image_7.JPEG. 2018,

195 Data_Sheet_1.PDF. 2020,

194 Data_Sheet_2.PDF. 2020,

193 Image_1.TIFF. 2020,

192 Image_1.tif. 2018,

191 Data_Sheet_1.PDF. 2019,

190 Video_1.MP4. 2019,

189 Video_2.MP4. 2019,

188 Data_Sheet_1.docx. 2020,

187 Image_1.pdf. 2018,

186 Image_2.tif. 2018,

185 Image_3.tif. 2018,

184 Table_1.DOC. 2018,

183 Data_Sheet_1.pdf. 2018,

182 Image_1.JPEG. 2018,

181 Image_2.JPEG. 2018,

180 Image_3.JPEG. 2018,

179 Image_4.JPEG. 2018,

178 Image_5.JPEG. 2018,

177 Table_1.DOCX. 2018,

176 Data_Sheet_1.PDF. 2020,

175 Data_Sheet_2.PDF. 2020,

174 Data_Sheet_3.PDF. 2020,

173 Data_Sheet_4.PDF. 2020,

172 Data_Sheet_5.PDF. 2020,

171 Data_Sheet_6.PDF. 2020,

170 Table_1.XLSX. 2020,

169 Table_2.XLSX. 2020,

168 Table_3.XLSX. 2020,

167 Table_4.XLSX. 2020,

166 Table_5.XLSX. 2020,

165 Table_6.XLSX. 2020,

164 Data_Sheet_1.pdf. 2018,

163 Table_1.docx. 2018,

162 Data_Sheet_1.PDF. 2019,

161 Table_1.xlsx. 2019,

160 Table_2.xlsx. 2019,

159 Table_3.xlsx. 2019,

158 Isolation and Characterization of Urinary Extracellular Vesicles for MicroRNA Biomarker Signature Development with Reference to MISEV Compliance.. 2022, 2504, 113-133

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

156 Oral administration of turmeric-derived exosome-like nanovesicles with anti-inflammatory and pro-resolving bioactions for murine colitis therapy.. 2022, 20, 206

1

155 EV (Extracellular Vesicle)-associated miRNAs as Biomarkers of Toxicity. 2022, 37-62

154 Description and optimization of a multiplex bead-based flow cytometry method (MBFCM) to characterize extracellular vesicles in serum samples from patients with hematological malignancies.. 2022,

2

153 The Role of Cell Derived Microparticles in Cardiovascular Diseases: Current Concepts. 2022, 28,

0

152 Targeted Delivery Platforms for the Treatment of Multiple Sclerosis.. 2022,

0

151 Tetraspanins distinguish separate extracellular vesicle subpopulations in human serum and plasma - Contributions of platelet extracellular vesicles in plasma samples.. *Journal of Extracellular Vesicles*, 2022, 11, e12213

16.4 3

150 Recent progress on microfluidic devices with incorporated 1D nanostructures for enhanced extracellular vesicle (EV) separation. 1

1

149 Conventional and Nonconventional Sources of Exosomes-Isolation Methods and Influence on Their Downstream Biomedical Application.. 2022, 9, 846650

1

148	Impact of Storage Conditions on EV Integrity/Surface Markers and Cargos. 2022 , 12, 697	1
147	Circulating miRNAs in Breast Cancer Diagnosis and Prognosis.. 2022 , 14,	2
146	Extracellular Vesicles from Steatotic Hepatocytes Provoke Pro-Fibrotic Responses in Cultured Stellate Cells. 2022 , 12, 698	
145	An Emerging Frontier in Intercellular Communication: Extracellular Vesicles in Regeneration. 2022 , 10,	1
144	Updates in Sertoli Cell-Mediated Signaling During Spermatogenesis and Advances in Restoring Sertoli Cell Function. 2022 , 13,	0
143	Effective Separation of Cancer-Derived Exosomes in Biological Samples for Liquid Biopsy: Classic Strategies and Innovative Development. 2100131	
142	Engineered extracellular vesicles and their mimics in cardiovascular diseases.. 2022 , 347, 27-43	4
141	ZIF-8 nanoparticles coated with macrophage-derived microvesicles for sustained, targeted delivery of dexamethasone to arthritic joints.. 2022 , 1-27	0
140	Risk stratification of patients with SARS-CoV-2 by tissue factor expression in circulating extracellular vesicles. 2022 , 145, 106999	1
139	Extracellular Vesicles Including Exosomes for Hair Follicle Regeneration. 2022 , 205-218	1
138	Classification of Extracellular Vesicles based on Surface Glycan Structures by Spongy-like Separation Media.	
137	Extracellular Vesicle-Associated MicroRNA-138-5p Regulates Embryo Implantation and Early Pregnancy by Adjusting GPR124. 2022 , 14, 1172	1
136	Circulating extracellular vesicles exhibit a differential miRNA profile in gestational diabetes mellitus pregnancies. 2022 , 17, e0267564	1
135	A Comparison of Blood Plasma Small Extracellular Vesicle Enrichment Strategies for Proteomic Analysis. 2022 , 10, 19	0
134	An estimate of extracellular vesicle secretion rates of human blood cells. 2022 , 1,	0
133	Neuropilin-1 is present on Foxp3+ T regulatory cell-derived small extracellular vesicles and mediates immunity against skin transplantation. <i>Journal of Extracellular Vesicles</i> , 2022 , 11,	16.4 0
132	Extracellular Vesicles in Pathogenesis and Treatment of Metabolic Associated Fatty Liver Disease. 13,	0
131	Recent Advances on the Function and Purification of Milk Exosomes: A Review. 9,	0

130	EVs predict the outcomes in patients with acute myocardial infarction. 2022 , 101857	
129	Potentiality of Exosomal Proteins as Novel Cancer Biomarkers for Liquid Biopsy. 13,	0
128	Size Separation of Exosomes and Microvesicles Using Flow Field-Flow Fractionation/Multiangle Light Scattering and Lipidomic Comparison.	1
127	Identification of storage conditions stabilizing extracellular vesicles preparations. <i>Journal of Extracellular Vesicles</i> , 2022 , 11,	16.4 2
126	Affinity-based isolation of extracellular vesicles and the effects on downstream molecular analysis.	0
125	Theragnostic Applications of Mammal and Plant-Derived Extracellular Vesicles: Latest Findings, Current Technologies, and Prospects. 2022 , 27, 3941	0
124	Recent advances in optically induced di-electrophoresis and its biomedical applications. 2022 , 24,	
123	An imaging flow cytometry-based methodology for the analysis of single extracellular vesicles in unprocessed human plasma. 2022 , 5,	1
122	Extracellular vesicles: Emerging frontiers in wound healing.	1
121	Nano pom-poms prepared exosomes enable highly specific cancer biomarker detection. 2022 , 5,	2
120	Extracellular Vesicles from BMSCs Prevent Glucocorticoid-Induced BMECs Injury by Regulating Autophagy via the PI3K/Akt/mTOR Pathway. 2022 , 11, 2104	1
119	Effect of Pre-Processing Storage Condition of Cell Culture-Conditioned Medium on Extracellular Vesicles Derived from Human Umbilical Cord-Derived Mesenchymal Stromal Cells. 2022 , 23, 7716	0
118	Engineered exosomes for studies in tumor immunology.	2
117	A review on comparative studies addressing exosome isolation methods from body fluids.	1
116	Recommendations for extracellular vesicle miRNA biomarker research in the endometrial cancer context. 2022 , 23, 101478	1
115	Extracellular vesicles for renal therapeutics: State of the art and future perspective. 2022 , 349, 32-50	1
114	Knowledge Mapping of Exosomes in Autoimmune Diseases: A Bibliometric Analysis (2002-2021). 13,	0
113	Extracellular vesicle mimetics: preparation from top-down approaches and biological functions. 2200142	0

112	Molecular mechanisms and clinical applications of exosomes in prostate cancer. 2022 , 10,	2
111	Utility of Exosomes in Ischemic and Hemorrhagic Stroke Diagnosis and Treatment. 2022 , 23, 8367	1
110	Extracellular Vesicles for Regenerative Medicine Applications. 2022 , 12, 7472	0
109	Current challenges and best practices for cell-free long RNA biomarker discovery. 2022 , 10,	1
108	Matrix Bound Nanovesicles have Tissue Specific Characteristics that Suggest a Regulatory Role.	0
107	Red Blood Cell-Derived Microparticles Exert No Cancer Promoting Effects on Colorectal Cancer Cells In Vitro. 2022 , 23, 9323	0
106	Insights on prospects of nano-siRNA based approaches in treatment of Cancer. 13,	0
105	Current status and outlook of advances in exosome isolation.	0
104	Novel secretion modification region (SMR) peptide exhibits anti-metastatic properties in human breast cancer cells. 2022 , 12,	1
103	A systematic review of EV-piRNA in human body fluid and its role in disease progression.	1
102	Exosomal miRNAs in the plasma of <i>Cynoglossus semilaevis</i> infected with <i>Vibrio harveyi</i> : Pleiotropic regulators and potential biomarkers involved in inflammatory and immune responses. 13,	0
101	Comparison of EV-free fraction, EVs, and total secretome of amniotic mesenchymal stromal cells for their immunomodulatory potential: a translational perspective. 13,	0
100	Exosomes at the crossroad between therapeutic targets and therapy resistance in head and neck squamous cell carcinoma. 2022 , 188784	0
99	Asymmetric depth-filtration: A versatile and scalable method for high-yield isolation of extracellular vesicles with low contamination. 2022 , 11,	0
98	Biomarker and therapeutic potential of peripheral extracellular vesicles in Alzheimer's disease. 2022 , 114486	0
97	Overcoming the blood-brain barrier: Exosomes as theranostic nanocarriers for precision neuroimaging. 2022 , 349, 902-916	1
96	Extracellular vesicle contents as non-invasive biomarkers in ovarian malignancies. 2022 , 26, 347-359	0
95	Efficient extracellular vesicles freeze-dry method for direct formulations preparation and use. 2022 , 218, 112745	0

94	Urinary Exosomes: A Promising Biomarker for Disease Diagnosis.	0
93	Apoptotic bodies for advanced drug delivery and therapy. 2022 , 351, 394-406	2
92	Stem Cell Exosomes Improve Survival of Neural Stem Cells after Radiation Exposure. 2022 , 173, 544-552	0
91	Research Development on Exosome Separation Technology.	1
90	Extracellular Vesicles in Tissue Engineering: Biology and Engineered Strategy. 2201384	0
89	Liver-originated small extracellular vesicles with TM4SF5 target brown adipose tissue for homeostatic glucose clearance. 2022 , 11,	1
88	Exosomes and cancer - Diagnostic and prognostic biomarkers and therapeutic vehicle. 2022 , 11,	4
87	Plasticity towards Rigidity: A Macrophage Conundrum in Pulmonary Fibrosis. 2022 , 23, 11443	2
86	Microfluidic Technology for the Isolation and Analysis of Exosomes. 2022 , 13, 1571	2
85	Exosomal lipids from membrane organization to biomarkers: Focus on an endolysosomal-specific lipid. 2022 ,	1
84	Extracellular Vesicle Molecular Profiling for Diagnostic Purposes: An Application of Phage Display Technology. 2023 , 237-247	0
83	Isolation and Lipidomic Screening of Human Milk Extracellular Vesicles. 2023 , 177-188	0
82	The role of exosomal survivin in the diagnosis of breast cancer. 2022 , 9, 254-259	0
81	Stem Cell-derived Extracellular Vesicles: A Promising Nano Delivery Platform to the Brain?.	1
80	The OSE complotype and its clinical potential. 13,	0
79	Advanced research on extracellular vesicles based oral drug delivery systems. 2022 , 351, 560-572	1
78	Tailored point-of-care biosensors for liquid biopsy in the field of oncology.	1
77	Advancement and obstacles in microfluidics-based isolation of extracellular vesicles.	1

76	The dark side of foetal bovine serum in extracellular vesicle studies. 2022 , 11, 12271	0
75	Surface protein profiling of milk and serum extracellular vesicles unveil body fluid and cell-type signatures and insights on vesicle biogenesis.	0
74	The salivary exosomal microRNA as a potential biomarker in patients with periodontitis and oral cancers.	0
73	EV-ADD, a database for EV-associated DNA in human liquid biopsy samples. 2022 , 11,	0
72	The role of milk-derived exosomes in the treatment of diseases. 13,	2
71	Advances of engineered extracellular vesicles-based therapeutics strategy. 2022 , 23, 655-681	0
70	Brain Microvascular Endothelial Cell-Derived Exosomes Protect Neurons from Ischemia/Reperfusion Injury in Mice. 2022 , 15, 1287	0
69	Endothelial cell-derived exosomes boost and maintain repair-related phenotypes of Schwann cells via miR199-5p to promote nerve regeneration.	0
68	High-Yield, Magnetic Harvesting of Extracellular Outer-Membrane Vesicles from Escherichia coli. 2204350	0
67	Highly efficient TiO ₂ -based one-step strategy for micro volume plasma-derived extracellular vesicles isolation and multiomics sample preparation. 2022 , 116971	0
66	Identification of exosomal biomarkers and its optimal isolation and detection method for the diagnosis of Parkinson's disease: A systematic review and meta-analysis. 2022 , 82, 101764	0
65	Emerging Raman spectroscopy and saliva-based diagnostics: from challenges to applications. 1-38	1
64	EV Fingerprinting: Resolving extracellular vesicle heterogeneity using multi-parametric flow cytometry.	0
63	Extracellular Vesicles as an Endocrine Mechanism Connecting Distant Cells. 2022 , 45, 771-780	0
62	Megakaryocyte- and Platelet-Derived Microparticles as Novel Diagnostic and Prognostic Biomarkers for Immune Thrombocytopenia. 2022 , 11, 6776	1
61	The diagnostic, prognostic role and molecular mechanism of miR-328 in human cancer. 2023 , 157, 114031	0
60	Production and purification of bacterial membrane vesicles for biotechnology applications: Challenges and opportunities.	1
59	Advances in exosome analysis. 2022 ,	0

58	Emerging role of mesenchymal stem cell-derived extracellular vesicles in oral and craniomaxillofacial tissue regenerative medicine. 10,	0
57	Comparison of Different Isolation Methods for Plasma-Derived Extracellular Vesicles in Patients with Hyperlipidemia. 2022 , 12, 1942	0
56	Article Review: Biochemical Aspect of Survivin Hormone. 2022 , 1, 1-15	0
55	Research landscape of exosomes in platelets from 2000 to 2022: A bibliometric analysis. 9,	0
54	Extracellular Vesicles Role in the Pathophysiology and as Biomarkers in Cystic Fibrosis and COPD. 2023 , 24, 228	0
53	Comparison of two methods for extracting exosomes from the nucleus accumbens in mice. 2022 , 137017	0
52	Comparison of qNANO results from the isolation of extracellular microvesicles with the theoretical model. 2022 , 18, 171-179	1
51	Classification of Extracellular Vesicles Based on Surface Glycan Structures by Spongy-like Separation Media. 2022 , 94, 18025-18033	0
50	Targeting and delivery of microRNA-targeting antisense oligonucleotides in cardiovascular diseases. 2022 ,	1
49	Exosomes based advancements for application in medical aesthetics. 10,	1
48	Assessment of Small Cellular Particles from Four Different Natural Sources and Liposomes by Interferometric Light Microscopy. 2022 , 23, 15801	3
47	Nanofiber formation as a promising technology for preservation and easy storage of extracellular vesicles. 2022 , 12,	1
46	A promising future for endometriosis diagnosis and therapy: extracellular vesicles - a systematic review. 2022 , 20,	0
45	Evaluation of EV Storage Buffer for Efficient Preservation of Engineered Extracellular Vesicles.	0
44	Exosomes derived from lung cancer cells: isolation, characterization, and stability studies. 2022 , 106369	0
43	Dynamic release of neuronal extracellular vesicles containing miR-21a-5p is induced by hypoxia. 2023 , 12, 12297	1
42	Sonic hedgehog N-terminal level correlates with adiponectin level and insulin resistance in adolescents. 2023 ,	0
41	Recombinant human chorionic gonadotropin and gonadotropin-releasing hormone agonist differently affect the profile of extracellular vesicle microRNAs in human follicular fluid.	0

40	Endothelial cell-derived exosomes boost and maintain repair-related phenotypes of Schwann cells via miR199-5p to promote nerve regeneration. 2023 , 21,	o
39	Extracellular Vesicles and Particles Modulate Proton Secretion in a Model of Human Parietal Cells. 2023 , 8, 2213-2226	o
38	Mitochondria-containing extracellular vesicles (EV) reduce mouse brain infarct sizes and EV/HSP27 protect ischemic brain endothelial cultures. 2023 , 354, 368-393	o
37	Impact of acute moderate-intensity aerobic exercise on circulating extracellular vesicles in pregnant and non-pregnant women.	1
36	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	o
35	In vitro diagnostic technologies for the detection of extracellular vesicles: current status and future directions. 20220011	1
34	Exosomes: Recent advances and challenges as targeted therapeutic delivery vesicles. 2022 ,	o
33	Urinary Extracellular Vesicles in Chronic Kidney Disease: From Bench to Bedside?. 2023 , 13, 443	o
32	Exosomes: The Role in Tumor Tolerance and the Potential Strategy for Tumor Therapy. 2023 , 15, 462	o
31	Extracellular Vesicles as Therapeutic Resources in the Clinical Environment. 2023 , 24, 2344	o
30	Extracellular Vesicles: New Players in the Mechanisms of Sepsis- and COVID-19-Related Thromboinflammation. 2023 , 24, 1920	o
29	Advanced micro-/nanotechnologies for exosome encapsulation and targeting in regenerative medicine.	1
28	Non-Coding RNAs Derived from Extracellular Vesicles Promote Pre-Metastatic Niche Formation and Tumor Distant Metastasis. 2023 , 15, 2158	o
27	Extracellular Vesicles of Pseudomonas: Friends and Foes. 2023 , 12, 703	o
26	Current progress of mesenchymal stem cell membrane-camouflaged nanoparticles for targeted therapy. 2023 , 161, 114451	1
25	Isolation of Extracellular Vesicles from Human Follicular Fluid: Size-Exclusion Chromatography versus Ultracentrifugation. 2023 , 13, 278	o
24	Do Circulating Extracellular Vesicles Strictly Reflect Bronchoalveolar Lavage Extracellular Vesicles in COPD?. 2023 , 24, 2966	o
23	Extracellular Vesicles in Aging: An Emerging Hallmark?. 2023 , 12, 527	o

- 22 Proteome encoded determinants of protein sorting into extracellular vesicles. ○
- 21 Manufacture of extracellular vesicles derived from mesenchymal stromal cells. **2023**, ○
- 20 Assessment of the mixed origin of the gastric epithelial extracellular vesicles in acellular transfer of Helicobacter pylori toxins and a systematic review. **2023**, 177, 106024 ○
- 19 The role of extracellular vesicles in intercellular communication in human reproduction. **2023**, 137, 281-301 ○
- 18 A novel isolation method for spontaneously released extracellular vesicles from brain tissue and its implications for stress-driven brain pathology. **2023**, 21, 1
- 17 Potential Avenues for Exosomal Isolation and Detection Methods to Enhance Small-Cell Lung Cancer Analysis. ○
- 16 Recent advances of small extracellular vesicle biomarkers in breast cancer diagnosis and prognosis. **2023**, 22, ○
- 15 Extracellular Vesicles in Liquid Biopsies as Biomarkers for Solid Tumors. **2023**, 15, 1307 ○
- 14 Injectable hydrogels for sustained delivery of extracellular vesicles in cartilage regeneration. **2023**, 355, 685-708 ○
- 13 A novel purity analysis method of bovine milk-derived exosomes by two-dimensional high-performance liquid chromatography. ○
- 12 Bioengineered MSC-derived exosomes in skin wound repair and regeneration. 11, ○
- 11 Extracellular vesicles derived from mesenchymal stem cells as novel therapeutic tool in infectious diseases. **2023**, 43, ○
- 10 The Proteome of Circulating Large Extracellular Vesicles in Diabetes and Hypertension. **2023**, 24, 4930 ○
- 9 Extracellular Vesicles as Drug Delivery Systems in Organ Transplantation: The Next Frontier. **2023**, 15, 891 ○
- 8 Emerging role of extracellular vesicles in multiple sclerosis: From cellular surrogates to pathogenic mediators and beyond. **2023**, 377, 578064 ○
- 7 Therapeutic potential of small extracellular vesicles derived from mesenchymal stem cells for spinal cord and nerve injury. 11, ○
- 6 Neural stem cell-derived extracellular vesicles favour neuronal differentiation and plasticity under stress conditions. 16, ○
- 5 Neuron-derived Extracellular Vesicles in Blood Reveal Effects of Exercise in Alzheimer's Disease. ○

- 4 Clinical Application of Exosome Components. ○
- 3 Advances in mesenchymal stem/stromal cell-based therapy and their extracellular vesicles for skin wound healing. ○
- 2 Aqueous Two-Phase Systems as Multipurpose Tools to Improve Biomarker Analysis. **2023**, 123875 ○
- 1 Mesenchymal Stem Cell-Derived Extracellular Vesicles: Hype or Hope for Skeletal Muscle Anti-Frailty. **2023**, 24, 7833 ○