

Reassessment of Exosome Composition

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Skeletal Muscle-Released Extracellular Vesicles: State of the Art. <i>Frontiers in Physiology</i> , 2019, 10, 929.	1.3	91
2	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. <i>Frontiers in Immunology</i> , 2019, 10, 1634.	2.2	52
3	Extracellular Vesicles as a Potential Therapy for Neonatal Conditions: State of the Art and Challenges in Clinical Translation. <i>Pharmaceutics</i> , 2019, 11, 404.	2.0	36
4	Extracellular vesicles circulating in young organisms promote healthy longevity. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1656044.	5.5	36
5	Exosomes: Revisiting their role as "garbage bags". <i>Traffic</i> , 2019, 20, 815-828.	1.3	96
6	The Challenges and Possibilities of Extracellular Vesicles as Therapeutic Vehicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 144, 50-56.	2.0	44
7	Clinical implications of extracellular vesicles in neurodegenerative diseases. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 813-824.	1.5	14
8	Extracellular miRNAs: From Biomarkers to Mediators of Physiology and Disease. <i>Cell Metabolism</i> , 2019, 30, 656-673.	7.2	511
9	Overview of Extracellular Vesicles, Their Origin, Composition, Purpose, and Methods for Exosome Isolation and Analysis. <i>Cells</i> , 2019, 8, 727.	1.8	1,706
10	Extracellular vesicles: a new communication paradigm?. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 509-510.	16.1	298
11	The biology of extracellular vesicles: The known unknowns. <i>PLoS Biology</i> , 2019, 17, e3000363.	2.6	345
12	Role of exosomes in tumour and transplant immune regulation. <i>Scandinavian Journal of Immunology</i> , 2019, 90, e12807.	1.3	21
13	Roles of exosomes in metastatic colorectal cancer. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C869-C880.	2.1	28
14	Urinary extracellular vesicles as a source of biomarkers reflecting renal cellular biology in human disease. <i>Methods in Cell Biology</i> , 2019, 154, 43-65.	0.5	7
15	Insight into the Role of Extracellular Vesicles in Lysosomal Storage Disorders. <i>Genes</i> , 2019, 10, 510.	1.0	35
16	The biological functions and clinical applications of exosomes in lung cancer. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4613-4633.	2.4	90
17	Tumor-Derived Exosomes Mediate the Instability of Cadherins and Promote Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3652.	1.8	34
18	Cell-Free Nucleic Acids and their Emerging Role in the Pathogenesis and Clinical Management of Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3662.	1.8	32

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19	Low level of exosomal long non-coding RNA <i>HOTTIP</i> is a prognostic biomarker in colorectal cancer. <i>RNA Biology</i> , 2019, 16, 1339-1345.	1.5	58
20	Contribution of Extracellular Vesicles in Rebuilding Injured Muscles. <i>Frontiers in Physiology</i> , 2019, 10, 828.	1.3	45
21	Exosome-mediated therapeutic delivery: A new horizon for human neurodegenerative disorders™ treatment (with a focus on siRNA delivery improvement). <i>Process Biochemistry</i> , 2019, 85, 164-174.	1.8	10
22	Extracellular Vesicles Enhance Multiple Myeloma Metastatic Dissemination. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3236.	1.8	38
23	Aggregated and Hyperstable Damage-Associated Molecular Patterns Are Released During ER Stress to Modulate Immune Function. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 198.	1.8	13
24	Tumor-derived extracellular vesicles: molecular parcels that enable regulation of the immune response in cancer. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	52
25	Stem Cell-Derived Extracellular Vesicles and Kidney Regeneration. <i>Cells</i> , 2019, 8, 1240.	1.8	87
26	Toward the Early Detection of Cancer by Decoding the Epigenetic and Environmental Fingerprints of Cell-Free DNA. <i>Cancer Cell</i> , 2019, 36, 350-368.	7.7	204
27	Extracellular Vesicles in Cancer Immune Microenvironment and Cancer Immunotherapy. <i>Advanced Science</i> , 2019, 6, 1901779.	5.6	179
28	Carvedilol Ameliorates Experimental Atherosclerosis by Regulating Cholesterol Efflux and Exosome Functions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5202.	1.8	17
29	UNC93B1 recruits syntenin-1 to dampen TLR7 signalling and prevent autoimmunity. <i>Nature</i> , 2019, 575, 366-370.	13.7	78
30	Beyond tumor mutational burden: potential and limitations in using exosomes to predict response to immunotherapy. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 1079-1088.	1.5	15
31	Small extracellular vesicle loading systems in cancer therapy: Current status and the way forward. <i>Cytotherapy</i> , 2019, 21, 1122-1136.	0.3	35
32	A safe ride in extracellular vesicles – small RNA trafficking between plant hosts and pathogens. <i>Current Opinion in Plant Biology</i> , 2019, 52, 140-148.	3.5	44
33	Exosomal miRNA: Small Molecules, Big Impact in Colorectal Cancer. <i>Journal of Oncology</i> , 2019, 2019, 1-18.	0.6	34
34	Mapping Subpopulations of Cancer Cell-Derived Extracellular Vesicles and Particles by Nano-Flow Cytometry. <i>ACS Nano</i> , 2019, 13, 10499-10511.	7.3	148
35	The Role of Extracellular Vesicles in Viral Infection and Transmission. <i>Vaccines</i> , 2019, 7, 102.	2.1	124
36	DNA analysis of low- and high-density fractions defines heterogeneous subpopulations of small extracellular vesicles based on their DNA cargo and topology. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1656993.	5.5	126

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37	Stem cell derived exosomes: microRNA therapy for age-related musculoskeletal disorders. <i>Biomaterials</i> , 2019, 224, 119492.	5.7	45
38	Emerging role of extracellular vesicles in liver diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G739-G749.	1.6	37
39	Technical challenges for extracellular vesicle research towards clinical translation. <i>European Heart Journal</i> , 2019, 40, 3359-3360.	1.0	2
40	The link between exosomes phenotype and mode of action in the context of cardioprotection. <i>European Heart Journal</i> , 2019, 40, 3361-3361.	1.0	2
41	Microbial regulation of microRNA expression in the brain-gut axis. <i>Current Opinion in Pharmacology</i> , 2019, 48, 120-126.	1.7	16
42	Exosomes-Associated DNA: New Marker in Pregnancy Complications?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2890.	1.8	43
43	Proteomic analysis of seminal extracellular vesicle proteins involved in asthenozoospermia by iTRAQ. <i>Molecular Reproduction and Development</i> , 2019, 86, 1094-1105.	1.0	35
44	Delivery of microRNAs by Extracellular Vesicles in Viral Infections: Could the News be Packaged?. <i>Cells</i> , 2019, 8, 611.	1.8	36
45	Emerging roles of extracellular vesicles in neurodegenerative disorders. <i>Neurobiology of Disease</i> , 2019, 130, 104512.	2.1	78
46	Extracellular vesicles in type 2 diabetes mellitus: key roles in pathogenesis, complications, and therapy. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1625677.	5.5	88
47	Salivary Extracellular Vesicle-Associated exRNA as Cancer Biomarker. <i>Cancers</i> , 2019, 11, 891.	1.7	37
48	Content release of extracellular vesicles in a cell-free extract. <i>FEBS Letters</i> , 2019, 593, 1983-1992.	1.3	39
49	Systematic review of targeted extracellular vesicles for drug delivery – Considerations on methodological and biological heterogeneity. <i>Journal of Controlled Release</i> , 2019, 306, 108-120.	4.8	95
50	Macrophage-derived exosome-mimetic hybrid vesicles for tumor targeted drug delivery. <i>Acta Biomaterialia</i> , 2019, 94, 482-494.	4.1	249
51	Hematological Malignancy-Derived Small Extracellular Vesicles and Tumor Microenvironment: The Art of Turning Foes into Friends. <i>Cells</i> , 2019, 8, 511.	1.8	26
52	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. <i>Cell Reports</i> , 2019, 27, 3062-3080.e11.	2.9	118
53	The Role of Extracellular Vesicles in Cutaneous Remodeling and Hair Follicle Dynamics. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2758.	1.8	48
54	Urinary exosomal proteins as (pan-)cancer biomarkers: insights from the proteome. <i>FEBS Letters</i> , 2019, 593, 1580-1597.	1.3	46

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55	Research progress on the composition and function of parasite-derived exosomes. <i>Acta Tropica</i> , 2019, 196, 30-36.	0.9	41
56	Challenges in the Isolation and Proteomic Analysis of Cancer Exosomes—Implications for Translational Research. <i>Proteomes</i> , 2019, 7, 22.	1.7	20
57	Extra Purified Exosomes from Human Placenta Contain an Unpredictable Small Number of Different Major Proteins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2434.	1.8	33
58	Role of extracellular vesicles in stem cell biology. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C303-C313.	2.1	44
59	Transfer of Functional Cargo in Exomeres. <i>Cell Reports</i> , 2019, 27, 940-954.e6.	2.9	255
60	Explicating Exosomes: Reclassifying the Rising Stars of Intercellular Communication. <i>Cell</i> , 2019, 177, 225-227.	13.5	123
61	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019, 177, 231-242.	13.5	152
62	The Contrasting Role of Extracellular Vesicles in Vascular Inflammation and Tissue Repair. <i>Frontiers in Pharmacology</i> , 2019, 10, 1479.	1.6	68
63	Mechanisms of nuclear content loading to exosomes. <i>Science Advances</i> , 2019, 5, eaax8849.	4.7	176
64	Neurons can upregulate Cav-1 to increase intake of endothelial cells-derived extracellular vesicles that attenuate apoptosis via miR-1290. <i>Cell Death and Disease</i> , 2019, 10, 869.	2.7	57
65	Small RNAs and extracellular vesicles: New mechanisms of cross-species communication and innovative tools for disease control. <i>PLoS Pathogens</i> , 2019, 15, e1008090.	2.1	114
66	Extracellular Vesicles From Auditory Cells as Nanocarriers for Anti-inflammatory Drugs and Pro-resolving Mediators. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 530.	1.8	20
67	Cross-Talk between Lipoproteins and Inflammation: The Role of Microvesicles. <i>Journal of Clinical Medicine</i> , 2019, 8, 2059.	1.0	12
68	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. <i>Scientific Reports</i> , 2019, 9, 17387.	1.6	17
69	Mesenchymal Stromal Cell-Based Bone Regeneration Therapies: From Cell Transplantation and Tissue Engineering to Therapeutic Secretomes and Extracellular Vesicles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 352.	2.0	92
70	Impact of extracellular vesicles on innate immunity. <i>Current Opinion in Organ Transplantation</i> , 2019, 24, 670-678.	0.8	41
71	Cancer-Derived Extracellular Vesicle-Associated MicroRNAs in Intercellular Communication: One Cell's Trash Is Another Cell's Treasure. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6109.	1.8	47
72	Sensitive Multicolor Visual Detection of Exosomes via Dual Signal Amplification Strategy of Enzyme-Catalyzed Metallization of Au Nanorods and Hybridization Chain Reaction. <i>ACS Sensors</i> , 2019, 4, 3210-3218.	4.0	87

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73	The Different Facets of Liquid Biopsy: A Kaleidoscopic View. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a037333.	2.9	24
74	Engineered extracellular vesicles and their mimetics for clinical translation. <i>Methods</i> , 2020, 177, 80-94.	1.9	26
75	Exosomal microRNAs as a promising theragnostic tool for essential hypertension. <i>Hypertension Research</i> , 2020, 43, 74-75.	1.5	9
76	Improving diagnosis of genitourinary cancers: Biomarker discovery strategies through mass spectrometry-based metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112905.	1.4	13
77	Autoantibodies in lung transplantation. <i>Transplant International</i> , 2020, 33, 41-49.	0.8	11
78	Progress in Microfluidics-Based Exosome Separation and Detection Technologies for Diagnostic Applications. <i>Small</i> , 2020, 16, e1903916.	5.2	193
79	Hepatic exosome-derived miR-130a-3p attenuates glucose intolerance via suppressing PHLPP2 gene in adipocyte. <i>Metabolism: Clinical and Experimental</i> , 2020, 103, 154006.	1.5	61
80	Natural Killer Cell-Derived Vesicular miRNAs: A New Anticancer Approach?. <i>Cancer Research</i> , 2020, 80, 17-22.	0.4	16
81	Targets, pitfalls and reference materials for liquid biopsy tests in cancer diagnostics. <i>Molecular Aspects of Medicine</i> , 2020, 72, 100828.	2.7	104
83	Methods for loading therapeutics into extracellular vesicles and generating extracellular vesicles mimetic-nanovesicles. <i>Methods</i> , 2020, 177, 103-113.	1.9	64
84	Extracellular Vesicles and Metastasis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a037275.	2.9	31
85	Extracellular vesicles for acute kidney injury in preclinical rodent models: a meta-analysis. <i>Stem Cell Research and Therapy</i> , 2020, 11, 11.	2.4	32
86	Circulating Exosomal miR-20b-5p Inhibition Restores Wnt9b Signaling and Reverses Diabetes-Associated Impaired Wound Healing. <i>Small</i> , 2020, 16, e1904044.	5.2	129
87	Chemoenzymatic Labeling of Extracellular Vesicles for Visualizing Their Cellular Internalization in Real Time. <i>Analytical Chemistry</i> , 2020, 92, 2103-2111.	3.2	13
88	A GSH Functionalized Magnetic Ultra-thin 2D-MoS ₂ nanocomposite for HILIC-based enrichment of N-glycopeptides from urine exosome and serum proteins. <i>Analytica Chimica Acta</i> , 2020, 1098, 181-189.	2.6	33
89	Real-time imaging of multivesicular body-plasma membrane fusion to quantify exosome release from single cells. <i>Nature Protocols</i> , 2020, 15, 102-121.	5.5	84
90	Extracellular vesicles and their roles in stem cell biology. <i>Stem Cells</i> , 2020, 38, 469-476.	1.4	34
91	Argonautes in Extracellular Vesicles: Artifact or Selected Cargo?. <i>Cancer Research</i> , 2020, 80, 379-381.	0.4	20

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92	Extracellular Vesicles in Non-Small-Cell Lung Cancer: Functional Role and Involvement in Resistance to Targeted Treatment and Immunotherapy. <i>Cancers</i> , 2020, 12, 40.	1.7	20
93	Tumor-derived extracellular vesicles and microRNAs: Functional roles, diagnostic, prognostic and therapeutic options. <i>Cytokine and Growth Factor Reviews</i> , 2020, 51, 75-83.	3.2	25
94	Exosomes in disease and regeneration: biological functions, diagnostics, and beneficial effects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1162-H1180.	1.5	32
95	Circulating Exosome microRNAs as Diagnostic Biomarkers of Dementia. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 580199.	1.7	17
96	The Protective Effect of Exercise in Neurodegenerative Diseases: The Potential Role of Extracellular Vesicles. <i>Cells</i> , 2020, 9, 2182.	1.8	31
97	Extracellular Vesicles as an Efficient and Versatile System for Drug Delivery. <i>Cells</i> , 2020, 9, 2191.	1.8	66
98	microRNA exchange via extracellular vesicles in cancer. <i>Cell Proliferation</i> , 2020, 53, e12877.	2.4	32
99	Altered Basal Autophagy Affects Extracellular Vesicle Release in Cells of Lagotto Romagnolo Dogs With a Variant <i><i>ATG4D</i></i> . <i>Veterinary Pathology</i> , 2020, 57, 926-935.	0.8	2
100	Recent Progress on the Isolation and Detection Methods of Exosomes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3973-3982.	1.7	44
101	Endothelial extracellular vesicles contain protective proteins and rescue ischemia-reperfusion injury in a human heart-on-chip. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	66
102	Extracellular Vesicle miRNAs in the Promotion of Cardiac Neovascularisation. <i>Frontiers in Physiology</i> , 2020, 11, 579892.	1.3	27
103	Uveal Melanoma-Derived Extracellular Vesicles Display Transforming Potential and Carry Protein Cargo Involved in Metastatic Niche Preparation. <i>Cancers</i> , 2020, 12, 2923.	1.7	25
104	Extracellular vesicles derived from KrÄ¼ppel-Like Factor 2-overexpressing endothelial cells attenuate myocardial ischemia-reperfusion injury by preventing Ly6C ^{high} monocyte recruitment. <i>Theranostics</i> , 2020, 10, 11562-11579.	4.6	26
105	Exosomal vesicles enhance immunosuppression in chronic inflammation: Impact in cellular senescence and the aging process. <i>Cellular Signalling</i> , 2020, 75, 109771.	1.7	18
106	The existence and function of mitochondrial component in extracellular vesicles. <i>Mitochondrion</i> , 2020, 54, 122-127.	1.6	26
107	<p>Exosome: A Review of Its Classification, Isolation Techniques, Storage, Diagnostic and Targeted Therapy Applications</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6917-6934.	3.3	564
108	MiRNA Profiles of Extracellular Vesicles Secreted by Mesenchymal Stromal Cellsâ€”Can They Predict Potential Off-Target Effects?. <i>Biomolecules</i> , 2020, 10, 1353.	1.8	14
109	Circulating microRNA as a Biomarker for Coronary Artery Disease. <i>Biomolecules</i> , 2020, 10, 1354.	1.8	20

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110	Exosomal Delivery of AntagomiRs Targeting Viral and Cellular MicroRNAs Synergistically Inhibits Cancer Angiogenesis. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 153-165.	2.3	31
111	Rab13 regulates sEV secretion in mutant KRAS colorectal cancer cells. <i>Scientific Reports</i> , 2020, 10, 15804.	1.6	27
112	Isolation of extracellular vesicles improves the detection of mutant DNA from plasma of metastatic melanoma patients. <i>Scientific Reports</i> , 2020, 10, 15745.	1.6	41
113	In vivo imaging of long-term accumulation of cancer-derived exosomes using a BRET-based reporter. <i>Scientific Reports</i> , 2020, 10, 16616.	1.6	17
114	Platelet Extracellular Vesicles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 87-96.	1.1	83
115	Extracellular vesicles: new players in regulating vascular barrier function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1181-H1196.	1.5	36
116	Role and mechanisms of exosomal miRNAs in IBD pathophysiology. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G646-G654.	1.6	16
117	Extracellular Vesicles: Recent Developments in Aging and Reproductive Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 577084.	1.8	8
118	Through the back door: Unconventional protein secretion. <i>Cell Surface</i> , 2020, 6, 100045.	1.5	49
119	Extracellular Vesicle-Associated Proteins in Tissue Repair. <i>Trends in Cell Biology</i> , 2020, 30, 990-1013.	3.6	91
120	Glycometabolic Regulation of the Biogenesis of Small Extracellular Vesicles. <i>Cell Reports</i> , 2020, 33, 108261.	2.9	19
121	Extracellular RNA: Emerging roles in cancer cell communication and biomarkers. <i>Cancer Letters</i> , 2020, 495, 33-40.	3.2	11
122	The Metastatic Cascade as the Basis for Liquid Biopsy Development. <i>Frontiers in Oncology</i> , 2020, 10, 1055.	1.3	27
123	Characterizing Extracellular Vesicles and Their Diverse RNA Contents. <i>Frontiers in Genetics</i> , 2020, 11, 700.	1.1	150
124	Gold nanoparticles change small extracellular vesicle attributes of mouse embryonic stem cells. <i>Nanoscale</i> , 2020, 12, 15631-15637.	2.8	10
125	Immuno-Surgical Management of Pancreatic Cancer with Analysis of Cancer Exosomes. <i>Cells</i> , 2020, 9, 1645.	1.8	5
126	Characterization of GFP-AtPEN1 as a marker protein for extracellular vesicles isolated from <i>Nicotiana benthamiana</i> leaves. <i>Plant Signaling and Behavior</i> , 2020, 15, 1791519.	1.2	10
127	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. <i>Biochimie</i> , 2020, 178, 26-38.	1.3	24

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128	Exosomes as potential sources of biomarkers in colorectal cancer. <i>Cancer Letters</i> , 2020, 476, 13-22.	3.2	124
129	Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. <i>Cell Reports</i> , 2020, 32, 107881.	2.9	130
130	Extracellular vesicles as biomarkers in liver diseases: A clinician's point of view. <i>Journal of Hepatology</i> , 2020, 73, 1507-1525.	1.8	105
131	Exosome: a significant nano-scale drug delivery carrier. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7591-7608.	2.9	108
132	Intercellular transmission of Seneca Valley virus mediated by exosomes. <i>Veterinary Research</i> , 2020, 51, 91.	1.1	7
133	Influence of species and processing parameters on recovery and content of brain tissue-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1785746.	5.5	72
134	Roles of Noncoding RNAs in Islet Biology. , 2020, 10, 893-932.		7
135	Tumor-Derived Extracellular Vesicles and the Immune System—Lessons From Immune-Competent Mouse-Tumor Models. <i>Frontiers in Immunology</i> , 2020, 11, 606859.	2.2	13
136	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. <i>Science Advances</i> , 2020, 6, .	4.7	73
137	The Protective Effects of Tripeptides VPP and IPP against Small Extracellular Vesicles from Angiotensin II-Induced Vascular Smooth Muscle Cells Mediating Endothelial Dysfunction in Human Umbilical Vein Endothelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13730-13741.	2.4	14
138	Extracellular MicroRNAs as Intercellular Mediators and Noninvasive Biomarkers of Cancer. <i>Cancers</i> , 2020, 12, 3455.	1.7	26
139	Corrected Super-Resolution Microscopy Enables Nanoscale Imaging of Autofluorescent Lung Macrophages. <i>Biophysical Journal</i> , 2020, 119, 2403-2417.	0.2	6
140	Protein Cargo of Extracellular Vesicles From Bovine Follicular Fluid and Analysis of Their Origin From Different Ovarian Cells. <i>Frontiers in Veterinary Science</i> , 2020, 7, 584948.	0.9	23
141	Extracellular Vesicles in Diagnosing Chronic Coronary Syndromes the Bumpy Road to Clinical Implementation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9128.	1.8	8
142	Harnessing the Neural Stem Cell Secretome for Regenerative Neuroimmunology. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 590960.	1.8	27
143	Peptide-Affinity Precipitation of Extracellular Vesicles and Cell-Free DNA Improves Sequencing Performance for the Detection of Pathogenic Mutations in Lung Cancer Patient Plasma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9083.	1.8	16
144	Liquid Biomarkers for Pediatric Brain Tumors: Biological Features, Advantages and Perspectives. <i>Journal of Personalized Medicine</i> , 2020, 10, 254.	1.1	12
145	Enrichment and characterization of extracellular vesicles from ex vivo one-sided human placenta perfusion. <i>American Journal of Reproductive Immunology</i> , 2021, 86, e13377.	1.2	8

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146	Isolation and characterization of exosomes for cancer research. <i>Journal of Hematology and Oncology</i> , 2020, 13, 152.	6.9	218
147	Activation of multiple receptors stimulates extracellular vesicle release from trophoblast cells. <i>Physiological Reports</i> , 2020, 8, e14592.	0.7	10
148	Human mesenchymal stromal cells and derived extracellular vesicles: Translational strategies to increase their proangiogenic potential for the treatment of cardiovascular disease. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1558-1569.	1.6	26
149	Exosomes: Beyond stem cells for cardiac protection and repair. <i>Stem Cells</i> , 2020, 38, 1387-1399.	1.4	40
150	Impact of isolation methods on the biophysical heterogeneity of single extracellular vesicles. <i>Scientific Reports</i> , 2020, 10, 13327.	1.6	30
151	Biomimetic nanovesicle design for cardiac tissue repair. <i>Nanomedicine</i> , 2020, 15, 1873-1896.	1.7	14
152	Optimized Protocol for Isolation of Small Extracellular Vesicles from Human and Murine Lymphoid Tissues. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5586.	1.8	16
153	Regulatory Role of Immune Cell-Derived Extracellular Vesicles in Cancer: The Message Is in the Envelope. <i>Frontiers in Immunology</i> , 2020, 11, 1525.	2.2	19
154	Bioactive DNA from extracellular vesicles and particles. <i>Cell Death and Disease</i> , 2020, 11, 584.	2.7	125
155	Exosome: A New Player in Translational Nanomedicine. <i>Journal of Clinical Medicine</i> , 2020, 9, 2380.	1.0	47
156	Engineering of exosome-triggered enzyme-powered DNA motors for highly sensitive fluorescence detection of tumor-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112482.	5.3	55
157	Lipidomic Analysis Reveals the Importance of GIPCs in Arabidopsis Leaf Extracellular Vesicles. <i>Molecular Plant</i> , 2020, 13, 1523-1532.	3.9	70
158	Application of exosomes as liquid biopsy in clinical diagnosis. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 144.	7.1	396
159	Cytotrophoblast extracellular vesicles enhance decidual cell secretion of immune modulators via TNF-alpha. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	12
160	Orally Administered Exosomes Suppress Mouse Delayed-Type Hypersensitivity by Delivering miRNA-150 to Antigen-Primed Macrophage APC Targeted by Exosome-Surface Anti-Peptide Antibody Light Chains. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5540.	1.8	22
161	Reply: Exosomes are Comparable to Source Adipose Stem Cells in Fat Graft Retention with Up-Regulating Early Inflammation and Angiogenesis. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 232e-233e.	0.7	19
162	Extracellular Vesicles in Acute Stroke Diagnostics. <i>Biomedicines</i> , 2020, 8, 248.	1.4	16
163	Separation and characterization of extracellular vesicles from human plasma by asymmetrical flow field-flow fractionation. <i>Analytica Chimica Acta</i> , 2020, 1127, 234-245.	2.6	41

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164	Identification of programmed death ligand-1 positive exosomes in breast cancer based on DNA amplification-responsive metal-organic frameworks. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112452.	5.3	61
165	Mud in the blood: the role of protein-mineral complexes and extracellular vesicles in biomineralisation and calcification. <i>Journal of Structural Biology</i> , 2020, 212, 107577.	1.3	38
166	The Convergence of Extracellular Vesicle and GPCR Biology. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 627-640.	4.0	21
167	The Emerging Role of Extracellular Vesicles in the Glioma Microenvironment: Biogenesis and Clinical Relevance. <i>Cancers</i> , 2020, 12, 1964.	1.7	19
168	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. <i>Cell</i> , 2020, 182, 1044-1061.e18.	13.5	691
169	Fragmentation of extracellular ribosomes and tRNAs shapes the extracellular RNAome. <i>Nucleic Acids Research</i> , 2020, 48, 12874-12888.	6.5	60
170	Focus on the morphogenesis, fate and the role in tumor progression of multivesicular bodies. <i>Cell Communication and Signaling</i> , 2020, 18, 122.	2.7	22
171	Extracellular vesicles of MSCs and cardiomyoblasts are vehicles for lipid mediators. <i>Biochimie</i> , 2020, 178, 69-80.	1.3	14
172	Exosomes as therapeutic solutions for pancreatic cancer. <i>Drug Discovery Today</i> , 2020, 25, 2245-2256.	3.2	8
173	Induction of a proliferative response in the zebrafish retina by injection of extracellular vesicles. <i>Experimental Eye Research</i> , 2020, 200, 108254.	1.2	8
174	Plasmonic Colorimetric Biosensor for Sensitive Exosome Detection via Enzyme-Induced Etching of Gold Nanobipyramid@MnO ₂ Nanosheet Nanostructures. <i>Analytical Chemistry</i> , 2020, 92, 15244-15252.	3.2	69
175	A study on the effects of tumor-derived exosomes on hepatoma cells and hepatocytes by atomic force microscopy. <i>Analytical Methods</i> , 2020, 12, 5458-5467.	1.3	6
176	Macrophage-derived extracellular vesicles: diverse mediators of pathology and therapeutics in multiple diseases. <i>Cell Death and Disease</i> , 2020, 11, 924.	2.7	97
177	Extracellular microRNA 3' end modification across diverse body fluids. <i>Epigenetics</i> , 2021, 16, 1000-1015.	1.3	7
178	Surface-Enhanced Raman Spectroscopy as a Tool for Distinguishing Extracellular Vesicles under Autophagic Conditions: A Marker for Disease Diagnostics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10952-10960.	1.2	19
179	HIF-1 α overexpression in mesenchymal stem cell-derived exosomes mediates cardioprotection in myocardial infarction by enhanced angiogenesis. <i>Stem Cell Research and Therapy</i> , 2020, 11, 373.	2.4	128
180	Exploiting Manipulated Small Extracellular Vesicles to Subvert Immunosuppression at the Tumor Microenvironment through Mannose Receptor/CD206 Targeting. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6318.	1.8	17
181	Myeloid Cell Modulation by Tumor-Derived Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6319.	1.8	26

#	ARTICLE	IF	CITATIONS
182	Extracellular vesicles from human iPSC-derived neural stem cells: miRNA and protein signatures, and anti-inflammatory and neurogenic properties. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1809064.	5.5	92
183	<p>Extracellular Vesicles â€“ Advanced Nanocarriers in Cancer Therapy: Progress and Achievements</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6485-6502.	3.3	38
184	Extracellular Vesicles as Innovative Tool for Diagnosis, Regeneration and Protection against Neurological Damage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6859.	1.8	52
185	Extracellular vesicles as natural therapeutic agents and innate drug delivery systems for cancer treatment: Recent advances, current obstacles, and challenges for clinical translation. <i>Seminars in Cancer Biology</i> , 2022, 80, 340-355.	4.3	51
186	Characterization of brain-derived extracellular vesicles reveals changes in cellular origin after stroke and enrichment of the prion protein with a potential role in cellular uptake. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1809065.	5.5	47
187	A Protocol for Cancer-Related Mutation Detection on Exosomal DNA in Clinical Application. <i>Frontiers in Oncology</i> , 2020, 10, 558106.	1.3	9
188	Extracellular Vesicles as Nanotherapeutics for Parkinsonâ€™s Disease. <i>Biomolecules</i> , 2020, 10, 1327.	1.8	19
189	Noncanonical Roles of tRNAs: tRNA Fragments and Beyond. <i>Annual Review of Genetics</i> , 2020, 54, 47-69.	3.2	126
190	Experimental and Biological Insights from Proteomic Analyses of Extracellular Vesicle Cargos in Normalcy and Disease. <i>Advanced Biology</i> , 2020, 4, e2000069.	3.0	8
191	<p>Exosomes-Coated miR-34a Displays Potent Antitumor Activity in Pancreatic Cancer Both in vitro and in vivo</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 3495-3507.	2.0	23
192	<i>In vivo</i> identification of apoptotic and extracellular vesicle-bound live cells using image-based deep learning. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1792683.	5.5	18
193	Methods for Separation and Characterization of Extracellular Vesicles: Results of a Worldwide Survey Performed by the ISEV Rigor and Standardization Subcommittee. <i>Cells</i> , 2020, 9, 1955.	1.8	205
194	Polarized human cholangiocytes release distinct populations of apical and basolateral small extracellular vesicles. <i>Molecular Biology of the Cell</i> , 2020, 31, 2463-2474.	0.9	11
195	Mastering the Tools: Natural versus Artificial Vesicles in Nanomedicine. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000731.	3.9	34
196	Internalization of trophoblastic small extracellular vesicles and detection of their miRNA cargo in Pâ€bodies. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1812261.	5.5	25
197	Induced pluripotent stem cells-derived microvesicles accelerate deep second-degree burn wound healing in mice through miR-16-5p-mediated promotion of keratinocytes migration. <i>Theranostics</i> , 2020, 10, 9970-9983.	4.6	27
198	Annexin A1â€“dependent tethering promotes extracellular vesicle aggregation revealed with singleâ€“extracellular vesicle analysis. <i>Science Advances</i> , 2020, 6, .	4.7	65
199	The crosstalk of ABCA1 and ANXA1: a potential mechanism for protection against atherosclerosis. <i>Molecular Medicine</i> , 2020, 26, 84.	1.9	29

#	ARTICLE	IF	CITATIONS
200	Extracellular Vesicles: New Endogenous Shuttles for miRNAs in Cancer Diagnosis and Therapy?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6486.	1.8	36
201	The role of extracellular vesicles in cholangiocarcinoma. <i>Cancer Cell International</i> , 2020, 20, .	1.8	7
202	Vesiclemia: counting on extracellular vesicles for glioblastoma patients. <i>Oncogene</i> , 2020, 39, 6043-6052.	2.6	21
203	The crosstalk: exosomes and lipid metabolism. <i>Cell Communication and Signaling</i> , 2020, 18, 119.	2.7	93
204	Cargo and cell-specific differences in extracellular vesicle populations identified by multiplexed immunofluorescent analysis. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1789326.	5.5	24
205	Insights Into the Proteomic Profiling of Extracellular Vesicles for the Identification of Early Biomarkers of Neurodegeneration. <i>Frontiers in Neurology</i> , 2020, 11, 580030.	1.1	29
206	Nonmuscle Myosin Heavy Chain α -Mediated Exosome Release via Regulation of the Rho-Associated Kinase 1/Myosin Light Chains/Actin Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 598592.	1.6	7
207	How to implement research studies on extracellular vesicle administration in myocardial infarction?. <i>Trends in Cardiovascular Medicine</i> , 2020, 31, 416-418.	2.3	1
208	Cellular, Extracellular and Extracellular Vesicular miRNA Profiles of Pre-Ovulatory Follicles Indicate Signaling Disturbances in Polycystic Ovaries. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9550.	1.8	17
209	Biomarkers for suicidal behavior: miRNAs and their potential for diagnostics through liquid biopsy – A systematic review. <i>Epigenomics</i> , 2020, 12, 2219-2235.	1.0	6
210	COVID-19 therapy with mesenchymal stromal cells (MSC) and convalescent plasma must consider exosome involvement: Do the exosomes in convalescent plasma antagonize the weak immune antibodies?. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12004.	5.5	43
211	Bisecting GlcNAc modification diminishes the pro-metastatic functions of small extracellular vesicles from breast cancer cells. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12005.	5.5	43
212	Methamphetamine use alters human plasma extracellular vesicles and their microRNA cargo: An exploratory study. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12028.	5.5	28
213	The proteomic landscape of small urinary extracellular vesicles during kidney transplantation. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12026.	5.5	30
214	Extracellular vesicles: Natural liver-accumulating drug delivery vehicles for the treatment of liver diseases. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12030.	5.5	79
215	Programmable Extracellular Vesicles for Macromolecule Delivery and Genome Modifications. <i>Developmental Cell</i> , 2020, 55, 784-801.e9.	3.1	56
216	Mitochondrial RNA in Alzheimer's Disease Circulating Extracellular Vesicles. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 581882.	1.8	31
217	Epigenetic Mechanisms in Immune Disease: The Significance of Toll-Like Receptor-Binding Extracellular Vesicle-Encapsulated microRNA. <i>Frontiers in Genetics</i> , 2020, 11, 578335.	1.1	5

#	ARTICLE	IF	CITATIONS
218	Considerations for the Analysis of Small Extracellular Vesicles in Physical Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 576150.	1.3	14
219	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. <i>Cell Communication and Signaling</i> , 2020, 18, 177.	2.7	13
220	Extracellular Vesicles in Head and Neck Cancer: A Potential New Trend in Diagnosis, Prognosis, and Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8260.	1.8	13
221	Biology of extracellular vesicles secreted from senescent cells as senescence-associated secretory phenotype factors. <i>Geriatrics and Gerontology International</i> , 2020, 20, 539-546.	0.7	37
222	Controlled Release of Stem Cell Secretome Attenuates Inflammatory Response against Implanted Biomaterials. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901874.	3.9	10
223	Novel potential tumor biomarkers: Circular RNAs and exosomal circular RNAs in gastrointestinal malignancies. <i>Journal of Clinical Laboratory Analysis</i> , 2020, 34, e23359.	0.9	58
224	Quantitative proteomic analysis of trypsin-treated extracellular vesicles to identify the real vesicular proteins. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1757209.	5.5	27
225	Differential Expression of Plasma Exo-miRNA in Neurodegenerative Diseases by Next-Generation Sequencing. <i>Frontiers in Neuroscience</i> , 2020, 14, 438.	1.4	45
226	Plasma-Derived Extracellular Vesicles Convey Protein Signatures That Reflect Pathophysiology in Lung and Pancreatic Adenocarcinomas. <i>Cancers</i> , 2020, 12, 1147.	1.7	20
227	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. <i>Nature Reviews Cardiology</i> , 2020, 17, 685-697.	6.1	228
228	DNA Damage Regulates Senescence-Associated Extracellular Vesicle Release via the Ceramide Pathway to Prevent Excessive Inflammatory Responses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3720.	1.8	45
229	Extracellular vesicles from genetically unstable, oncogene-driven cancer cells trigger micronuclei formation in endothelial cells. <i>Scientific Reports</i> , 2020, 10, 8532.	1.6	18
230	Arthropod exosomes as bubbles with message(s) to transmit vector-borne diseases. <i>Current Opinion in Insect Science</i> , 2020, 40, 39-47.	2.2	18
231	Plasma-derived extracellular vesicles from <i>Plasmodium vivax</i> patients signal spleen fibroblasts via NF- κ B facilitating parasite cytoadherence. <i>Nature Communications</i> , 2020, 11, 2761.	5.8	56
232	Extracellular vesicle-mediated transfer of miR-21-5p from mesenchymal stromal cells to neurons alleviates early brain injury to improve cognitive function via the PTEN/Akt pathway after subarachnoid hemorrhage. <i>Cell Death and Disease</i> , 2020, 11, 363.	2.7	63
233	Tripeptides Val-Pro-Pro (VPP) and Ile-Pro-Pro (IPP) Regulate the Proliferation and Migration of Vascular Smooth Muscle Cells by Interfering Ang II-Induced Human Umbilical Vein Endothelial Cells Derived EVs Delivering RNAs to VSMCs in the Co-culture Model. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6628-6637.	2.4	8
234	Exosome-mediated effects and applications in inflammatory bowel disease. <i>Biological Reviews</i> , 2020, 95, 1287-1307.	4.7	89
235	Mechanisms for biogenesis and release of neuronal extracellular vesicles. <i>Current Opinion in Neurobiology</i> , 2020, 63, 104-110.	2.0	20

#	ARTICLE	IF	CITATIONS
236	Extracellular Vesicles, Apoptotic Bodies and Mitochondria: Stem Cell Bioproducts for Organ Regeneration. <i>Current Transplantation Reports</i> , 2020, 7, 105-113.	0.9	21
237	RNA delivery by extracellular vesicles in mammalian cells and its applications. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 585-606.	16.1	1,010
238	Emerging technologies for profiling extracellular vesicle heterogeneity. <i>Lab on A Chip</i> , 2020, 20, 2423-2437.	3.1	54
239	Regulatory function of <scp>microRNAs</scp> in microglia. <i>Glia</i> , 2020, 68, 1631-1642.	2.5	44
240	Ectosomal PKM2 Promotes HCC by Inducing Macrophage Differentiation and Remodeling the Tumor Microenvironment. <i>Molecular Cell</i> , 2020, 78, 1192-1206.e10.	4.5	122
241	Prognostic role of extracellular vesicles in squamous cell carcinoma of the lung. <i>Thoracic Cancer</i> , 2020, 11, 1989-1995.	0.8	3
242	Growing pains: addressing the pitfalls of plant extracellular vesicle research. <i>New Phytologist</i> , 2020, 228, 1505-1510.	3.5	46
243	Human Cytomegalovirus Utilizes Extracellular Vesicles To Enhance Virus Spread. <i>Journal of Virology</i> , 2020, 94, .	1.5	21
244	The role of extracellular vesicles in COVID-19 virus infection. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104422.	1.0	170
245	Extracellular vesicles for targeted drug delivery: triumphs and challenges. <i>Future Medicinal Chemistry</i> , 2020, 12, 1285-1287.	1.1	6
246	Small RNA fingerprinting of Alzheimer's disease frontal cortex extracellular vesicles and their comparison with peripheral extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1766822.	5.5	59
247	Mesenchymal stem cell-derived exosomes suppress proliferation of T cells by inducing cell cycle arrest through p27kip1/Cdk2 signaling. <i>Immunology Letters</i> , 2020, 225, 16-22.	1.1	31
248	Composition of <i>Caenorhabditis elegans</i> extracellular vesicles suggests roles in metabolism, immunity, and aging. <i>GeroScience</i> , 2020, 42, 1133-1145.	2.1	15
249	Characterization of Human Glioblastoma versus Normal Plasma-Derived Extracellular Vesicles Preisolated by Differential Centrifugation Using Cyclical Electrical Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2020, 92, 9866-9876.	3.2	8
250	Deconstruction of Heterogeneity of Size-Dependent Exosome Subpopulations from Human Urine by Profiling N-Glycoproteomics and Phosphoproteomics Simultaneously. <i>Analytical Chemistry</i> , 2020, 92, 9239-9246.	3.2	65
251	Tumor-Derived Exosomes in Immunosuppression and Immunotherapy. <i>Journal of Immunology Research</i> , 2020, 2020, 1-11.	0.9	85
252	Migrasome and Tetraspanins in Vascular Homeostasis: Concept, Present, and Future. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 438.	1.8	31
253	Extracellular Vesicles in Diagnosis and Treatment of Pancreatic Cancer: Current State and Future Perspectives. <i>Cancers</i> , 2020, 12, 1530.	1.7	15

#	ARTICLE	IF	CITATIONS
254	miRNA subtype ratios in plasma extracellular vesicles are cell type-specific and are candidate biomarkers for inflammatory diseases. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1764213.	5.5	35
255	Characteristics and Changes of DNA in Extracellular Vesicles. <i>DNA and Cell Biology</i> , 2020, 39, 1486-1493.	0.9	11
256	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	79
257	Deep-Sequencing Identification of MicroRNA Biomarkers in Serum Exosomes for Early Pig Pregnancy. <i>Frontiers in Genetics</i> , 2020, 11, 536.	1.1	20
258	Oligodendrocytes Provide Antioxidant Defense Function for Neurons by Secreting Ferritin Heavy Chain. <i>Cell Metabolism</i> , 2020, 32, 259-272.e10.	7.2	98
259	Diversity of extracellular vesicles from different developmental stages of <i>Fasciola hepatica</i> . <i>International Journal for Parasitology</i> , 2020, 50, 663-669.	1.3	20
260	Extracellular vesicle therapy for retinal diseases. <i>Progress in Retinal and Eye Research</i> , 2020, 79, 100849.	7.3	70
261	Proteomic Analysis of Exosomes from Adipose-Derived Mesenchymal Stem Cells: A Novel Therapeutic Strategy for Tissue Injury. <i>BioMed Research International</i> , 2020, 2020, 1-10.	0.9	32
262	Liquid biopsy technologies based on membrane microfluidics: High-yield purification and selective quantification of biomarkers in nanocarriers. <i>Electrophoresis</i> , 2020, 41, 1878-1892.	1.3	16
263	The function and clinical application of extracellular vesicles in innate immune regulation. <i>Cellular and Molecular Immunology</i> , 2020, 17, 323-334.	4.8	171
264	An emerging focus on lipids in extracellular vesicles. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 308-321.	6.6	289
265	Placental small extracellular vesicles: Current questions and investigative opportunities. <i>Placenta</i> , 2020, 102, 34-38.	0.7	25
266	Fat Therapeutics: The Clinical Capacity of Adipose-Derived Stem Cells and Exosomes for Human Disease and Tissue Regeneration. <i>Frontiers in Pharmacology</i> , 2020, 11, 158.	1.6	117
267	Exosomal noncoding RNAs in Glioma: biological functions and potential clinical applications. <i>Molecular Cancer</i> , 2020, 19, 66.	7.9	218
268	Characterization of Urinary Exosomes Purified with Size Exclusion Chromatography and Ultracentrifugation. <i>Journal of Proteome Research</i> , 2020, 19, 2217-2225.	1.8	74
269	Isolation and mutational assessment of pancreatic cancer extracellular vesicles using a microfluidic platform. <i>Biomedical Microdevices</i> , 2020, 22, 23.	1.4	28
270	Urinary MicroRNAs in Environmental Health: Biomarkers of Emergent Kidney Injury and Disease. <i>Current Environmental Health Reports</i> , 2020, 7, 101-108.	3.2	5
271	Exosomes: Effectual players in rheumatoid arthritis. <i>Autoimmunity Reviews</i> , 2020, 19, 102511.	2.5	55

#	ARTICLE	IF	CITATIONS
272	Immunoregulatory Effects of Stem Cell-Derived Extracellular Vesicles on Immune Cells. <i>Frontiers in Immunology</i> , 2020, 11, 13.	2.2	75
273	Progress, opportunity, and perspective on exosome isolation - efforts for efficient exosome-based theranostics. <i>Theranostics</i> , 2020, 10, 3684-3707.	4.6	476
274	Aptamer-guided extracellular vesicle theranostics in oncology. <i>Theranostics</i> , 2020, 10, 3849-3866.	4.6	45
275	Uptake of <i>Schistosoma mansoni</i> extracellular vesicles by human endothelial and monocytic cell lines and impact on vascular endothelial cell gene expression. <i>International Journal for Parasitology</i> , 2020, 50, 685-696.	1.3	27
276	Extracellular Vesicles in Viral Infections of the Nervous System. <i>Viruses</i> , 2020, 12, 700.	1.5	22
277	Helminth genome analysis reveals conservation of extracellular vesicle biogenesis pathways but divergence of RNA loading machinery between phyla. <i>International Journal for Parasitology</i> , 2020, 50, 655-661.	1.3	12
278	Sensitive Signal Amplifying a Diagnostic Biochip Based on a Biomimetic Periodic Nanostructure for Detecting Cancer Exosomes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33473-33482.	4.0	25
279	Exosome therapeutics for lung regenerative medicine. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1785161.	5.5	59
280	Stumbling on elusive cargo: how isomiRs challenge microRNA detection and quantification, the case of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1784617.	5.5	7
281	Exosomal miR-200c-3p negatively regulates the migration and invasion of lipopolysaccharide (LPS)-stimulated colorectal cancer (CRC). <i>BMC Molecular and Cell Biology</i> , 2020, 21, 48.	1.0	24
282	Extracellular Vesicles as Delivery Vehicles of Specific Cellular Cargo. <i>Cells</i> , 2020, 9, 1601.	1.8	66
283	Show Me Your Friends and I Tell You Who You Are: The Many Facets of Prion Protein in Stroke. <i>Cells</i> , 2020, 9, 1609.	1.8	6
284	Origin of circulating free DNA in patients with lung cancer. <i>PLoS ONE</i> , 2020, 15, e0235611.	1.1	10
285	Oxidative Inactivation of the Proteasome Augments Alveolar Macrophage Secretion of Vesicular SOCS3. <i>Cells</i> , 2020, 9, 1589.	1.8	3
286	Small but significant: Insights and new perspectives of exosomes in cardiovascular disease. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8291-8303.	1.6	29
287	Extracellular Vesicles Mediate B Cell Immune Response and Are a Potential Target for Cancer Therapy. <i>Cells</i> , 2020, 9, 1518.	1.8	35
288	Combination of Size-Exclusion Chromatography and Ultracentrifugation Improves the Proteomic Profiling of Plasma-Derived Small Extracellular Vesicles. <i>Biological Procedures Online</i> , 2020, 22, 12.	1.4	42
289	Role of Extracellular Vesicles in the Pathophysiology, Diagnosis and Tracking of Non-Alcoholic Fatty Liver Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 2032.	1.0	28

#	ARTICLE	IF	CITATIONS
290	The biology , function , and biomedical applications of exosomes. <i>Science</i> , 2020, 367, .	6.0	4,742
291	Potential Applications of Extracellular Vesicles in Solid Organ Transplantation. <i>Cells</i> , 2020, 9, 369.	1.8	25
292	Oxidative stressâ€induced RAC autophagy can improve the HUVEC functions by releasing exosomes. <i>Journal of Cellular Physiology</i> , 2020, 235, 7392-7409.	2.0	29
293	M1-like macrophage-derived exosomes suppress angiogenesis and exacerbate cardiac dysfunction in a myocardial infarction microenvironment. <i>Basic Research in Cardiology</i> , 2020, 115, 22.	2.5	144
294	Chemical manipulations to facilitate membrane blebbing and vesicle shedding on the cellular cortex. <i>Biotechnology Letters</i> , 2020, 42, 1137-1145.	1.1	1
295	Location of neonatal microglia drives small extracellular vesicles content and biological functions in vitro. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1727637.	5.5	20
296	Glioma-Derived miRNA-Containing Extracellular Vesicles Induce Angiogenesis by Reprogramming Brain Endothelial Cells. <i>Cell Reports</i> , 2020, 30, 2065-2074.e4.	2.9	105
298	Extracellular tRNAs and tRNA-derived fragments. <i>RNA Biology</i> , 2020, 17, 1149-1167.	1.5	52
299	Subpopulations of extracellular vesicles from human metastatic melanoma tissue identified by quantitative proteomics after optimized isolation. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1722433.	5.5	130
300	A CRISPR-Cas9-based reporter system for single-cell detection of extracellular vesicle-mediated functional transfer of RNA. <i>Nature Communications</i> , 2020, 11, 1113.	5.8	99
301	Leukobiopsy â€“ A Possible New Liquid Biopsy Platform for Detecting Oncogenic Mutations. <i>Frontiers in Pharmacology</i> , 2019, 10, 1608.	1.6	6
302	Inclusion Biogenesis, Methods of Isolation and Clinical Application of Human Cellular Exosomes. <i>Journal of Clinical Medicine</i> , 2020, 9, 436.	1.0	115
303	Plasma Exosome-derived MicroRNAs as Novel Biomarkers of Traumatic Brain Injury in Rats. <i>International Journal of Medical Sciences</i> , 2020, 17, 437-448.	1.1	24
304	The LC3-conjugation machinery specifies the loading of RNA-binding proteins into extracellular vesicles. <i>Nature Cell Biology</i> , 2020, 22, 187-199.	4.6	300
305	Cell-to-Cell Communication in Learning and Memory: From Neuro- and Glio-Transmission to Information Exchange Mediated by Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 266.	1.8	41
306	From tumor microenvironment communicants to biomarker discovery: Selectively packaged extracellular vesicular cargoes in pancreatic cancer. <i>Cytokine and Growth Factor Reviews</i> , 2020, 51, 61-68.	3.2	11
307	microRNA and exosome profiling in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 599-604.	1.4	46
308	Unraveling the mechanisms that specify molecules for secretion in extracellular vesicles. <i>Methods</i> , 2020, 177, 15-26.	1.9	50

#	ARTICLE	IF	CITATIONS
309	Unique microRNA Signals in Plasma Exosomes from Pregnancies Complicated by Preeclampsia. <i>Hypertension</i> , 2020, 75, 762-771.	1.3	92
310	Biosensing extracellular vesicles: contribution of biomolecules in affinity-based methods for detection and isolation. <i>Analyst</i> , 2020, 145, 1997-2013.	1.7	15
311	Dissecting intercellular signaling with mass spectrometry-based proteomics. <i>Current Opinion in Cell Biology</i> , 2020, 63, 20-30.	2.6	13
312	Packaging RNA drugs into extracellular vesicles. <i>Nature Biomedical Engineering</i> , 2020, 4, 6-8.	11.6	6
313	Proteomic analysis of two populations of <i>Schistosoma mansoni</i> -derived extracellular vesicles: 15k pellet and 120k pellet vesicles. <i>Molecular and Biochemical Parasitology</i> , 2020, 236, 111264.	0.5	42
314	Extracellular Vesicles and Cancer: A Focus on Metabolism, Cytokines, and Immunity. <i>Cancers</i> , 2020, 12, 171.	1.7	38
315	Fourier-transform Infrared (FTIR) spectroscopy fingerprints subpopulations of extracellular vesicles of different sizes and cellular origin. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1741174.	5.5	43
316	5-FU-Induced Upregulation of Exosomal PD-L1 Causes Immunosuppression in Advanced Gastric Cancer Patients. <i>Frontiers in Oncology</i> , 2020, 10, 492.	1.3	33
317	Liquid biopsies for multiple myeloma in a time of precision medicine. <i>Journal of Molecular Medicine</i> , 2020, 98, 513-525.	1.7	18
318	Transfection of maternal cells with placental extracellular vesicles in preeclampsia. <i>Medical Hypotheses</i> , 2020, 141, 109721.	0.8	1
319	Protein Synthesis by Day 16 Bovine Conceptuses during the Time of Maternal Recognition of Pregnancy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2870.	1.8	10
320	Circulating MicroRNA Levels Indicate Platelet and Leukocyte Activation in Endotoxemia Despite Platelet P2Y12 Inhibition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2897.	1.8	17
321	How does temperature play a role in the storage of extracellular vesicles?. <i>Journal of Cellular Physiology</i> , 2020, 235, 7663-7680.	2.0	35
322	Surface functionalization strategies of extracellular vesicles. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4552-4569.	2.9	57
323	Recent advances of aptasensors for exosomes detection. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112213.	5.3	86
324	Mesenchymal Stem Cell Derived Extracellular Vesicles for Tissue Engineering and Regenerative Medicine Applications. <i>Cells</i> , 2020, 9, 991.	1.8	178
325	Exosomal miRNAs in tumor microenvironment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 67.	3.5	110
326	Extracellular Vesicles After Allogeneic Hematopoietic Cell Transplantation: Emerging Role in Post-Transplant Complications. <i>Frontiers in Immunology</i> , 2020, 11, 422.	2.2	16

#	ARTICLE	IF	CITATIONS
327	Role of Extracellular Vesicles in the Diagnosis and Pathogenesis of Barrett's Esophagus: A Mini-Review. <i>Digestive Diseases and Sciences</i> , 2021, 66, 705-713.	1.1	3
328	The Landscape of Coding and Noncoding RNAs in Platelets. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1200-1216.	2.5	14
329	The role of extracellular vesicles in skeletal muscle and systematic adaptation to exercise. <i>Journal of Physiology</i> , 2021, 599, 845-861.	1.3	76
330	Is circulating exosome carry Staphylococcal nuclease domain-containing protein 1, a component of RNA-induced silencing complex?. <i>Genes and Diseases</i> , 2021, 8, 115-116.	1.5	2
331	Angiotensin-converting Enzyme 2-containing Small Extracellular Vesicles and Exosomes Bind the Severe Acute Respiratory Syndrome Coronavirus 2 Spike Protein. <i>Gastroenterology</i> , 2021, 160, 958-961.e3.	0.6	42
332	DNA in extracellular vesicles: biological and clinical aspects. <i>Molecular Oncology</i> , 2021, 15, 1701-1714.	2.1	102
333	Deciphering the messages carried by extracellular vesicles in hematological malignancies. <i>Blood Reviews</i> , 2021, 46, 100734.	2.8	21
334	Microscopy approaches to study extracellular vesicles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129752.	1.1	17
335	Extracellular vesicles and their potential role inducing changes in maternal insulin sensitivity during gestational diabetes mellitus. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13361.	1.2	21
336	Exosomes and extracellular vesicles as liquid biopsy biomarkers in diffuse large B-cell lymphoma: Current state of the art and unmet clinical needs. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 284-294.	1.1	12
337	IKK β activation promotes amphisome formation and extracellular vesicle secretion in tumor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118857.	1.9	20
338	Immunomodulatory properties of extracellular vesicles in the dialogue between placental and immune cells. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13383.	1.2	16
339	Photonic Technologies for Liquid Biopsies: Recent Advances and Open Research Challenges. <i>Laser and Photonics Reviews</i> , 2021, 15, .	4.4	10
340	Shedding Light on Extracellular Vesicle Biogenesis and Bioengineering. <i>Advanced Science</i> , 2021, 8, 2003505.	5.6	192
341	Mass spectrometry-based proteomic exploration of the small urinary extracellular vesicles in ANCA-associated vasculitis in comparison with total urine. <i>Journal of Proteomics</i> , 2021, 233, 104067.	1.2	12
342	The main sources of circulating cell-free DNA: Apoptosis, necrosis and active secretion. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 157, 103166.	2.0	49
343	Role of Exosomes in Biological Communication Systems. , 2021, , .		10
344	The Yin and Yang of tumour-derived extracellular vesicles in tumour immunity. <i>Journal of Biochemistry</i> , 2021, 169, 155-161.	0.9	2

#	ARTICLE	IF	CITATIONS
345	Bovine serum miR-21 expression affected by mastitis. <i>Research in Veterinary Science</i> , 2021, 135, 290-292.	0.9	10
346	LAPTM4B controls the sphingolipid and ether lipid signature of small extracellular vesicles. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158855.	1.2	8
347	Spinal cord injury alters microRNA and CD81+ exosome levels in plasma extracellular nanoparticles with neuroinflammatory potential. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 165-183.	2.0	62
348	Importance of extracellular vesicles in hypertension. <i>Experimental Biology and Medicine</i> , 2021, 246, 342-353.	1.1	15
349	Plant Exosome-like Nanovesicles: Emerging Therapeutics and Drug Delivery Nanoplatforms. <i>Molecular Therapy</i> , 2021, 29, 13-31.	3.7	211
350	Label-free detection of exosomes based on ssDNA-modulated oxidase-mimicking activity of CuCo2O4 nanorods. <i>Analytica Chimica Acta</i> , 2021, 1145, 9-16.	2.6	28
351	Polarized cells display asymmetric release of extracellular vesicles. <i>Traffic</i> , 2021, 22, 98-110.	1.3	12
352	Phosphoproteomics identify arachidonic-acid-regulated signal transduction pathways modulating macrophage functions with implications for ovarian cancer. <i>Theranostics</i> , 2021, 11, 1377-1395.	4.6	22
353	Modern isolation and separation techniques for extracellular vesicles. <i>Journal of Chromatography A</i> , 2021, 1636, 461773.	1.8	239
354	Novel factor in olfactory ensheathing <i>cell</i> astrocyte crosstalk: <i>Anti-inflammatory</i> protein <i>crystallin</i> . <i>B. Glia</i> , 2021, 69, 1022-1036.	2.5	12
355	Embryonic Stem Cell-Derived Extracellular Vesicles Maintain ESC Stemness by Activating FAK. <i>Developmental Cell</i> , 2021, 56, 277-291.e6.	3.1	43
356	The forces driving cancer extracellular vesicle secretion. <i>Neoplasia</i> , 2021, 23, 149-157.	2.3	43
357	Emerging mechanisms contributing to mast cell-mediated pathophysiology with therapeutic implications. , 2021, 220, 107718.		32
358	Small extracellular vesicles (sEVs): discovery, functions, applications, detection methods and various engineered forms. <i>Expert Opinion on Biological Therapy</i> , 2021, 21, 371-394.	1.4	20
359	Trophoblastic extracellular vesicles and viruses: Friends or foes?. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13345.	1.2	4
360	RAB31 marks and controls an ESCRT-independent exosome pathway. <i>Cell Research</i> , 2021, 31, 157-177.	5.7	212
361	Stomatin is highly expressed in exosomes of different origin and is a promising candidate as an exosomal marker. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 100-115.	1.2	16
362	Synergistically Bifunctional Paramagnetic Separation Enables Efficient Isolation of Urine Extracellular Vesicles and Downstream Phosphoproteomic Analysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3622-3630.	4.0	29

#	ARTICLE	IF	CITATIONS
363	Astrocyte-Derived Extracellular Vesicles (ADEVs): Deciphering their Influences in Aging. , 2021, 12, 1462.		11
364	Radiolabelling of Extracellular Vesicles for PET and SPECT imaging. Nanotheranostics, 2021, 5, 256-274.	2.7	27
365	A magnetic surface-enhanced Raman scattering platform for performing successive breast cancer exosome isolation and analysis. Journal of Materials Chemistry B, 2021, 9, 2709-2716.	2.9	34
366	Host-derived extracellular vesicles for antimicrobial defense. MicroLife, 2021, 2, .	1.0	22
367	Role of Exosomes for Delivery of Chemotherapeutic Drugs. Critical Reviews in Therapeutic Drug Carrier Systems, 2021, 38, 53-97.	1.2	35
368	Exosome-inflammasome crosstalk and their roles in inflammatory responses. Theranostics, 2021, 11, 4436-4451.	4.6	83
369	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. Lab on A Chip, 2021, 21, 3219-3243.	3.1	39
370	Extracellular vesicle-associated repetitive element DNAs as candidate Osteosarcoma biomarkers. Scientific Reports, 2021, 11, 94.	1.6	25
371	Isolation and characterization of extracellular vesicle subpopulations from tissues. Nature Protocols, 2021, 16, 1548-1580.	5.5	191
372	Human obese white adipose tissue sheds depot-specific extracellular vesicles and reveals candidate biomarkers for monitoring obesity and its comorbidities. Translational Research, 2022, 239, 85-102.	2.2	34
373	Extracellular Vesicles in Neuroinflammation. Frontiers in Cell and Developmental Biology, 2020, 8, 623039.	1.8	34
374	Extracellular Vesicle Mediated Vascular Pathology in Glioblastoma. Sub-Cellular Biochemistry, 2021, 97, 247-273.	1.0	5
375	Single-cell analysis reveals transcriptomic remodellings in distinct cell types that contribute to human prostate cancer progression. Nature Cell Biology, 2021, 23, 87-98.	4.6	209
376	Exosomes derived from macrophages upon Zn ion stimulation promote osteoblast and endothelial cell functions. Journal of Materials Chemistry B, 2021, 9, 3800-3807.	2.9	11
377	Unbiased RNA-Seq-driven identification and validation of reference genes for quantitative RT-PCR analyses of pooled cancer exosomes. BMC Genomics, 2021, 22, 27.	1.2	19
378	Diverse roles of EV-RNA in cancer progression. Seminars in Cancer Biology, 2021, 75, 127-135.	4.3	10
379	Recombinant extracellular vesicles as biological reference material for method development, data normalization and assessment of (pre-)analytical variables. Nature Protocols, 2021, 16, 603-633.	5.5	23
380	Extracellular Vesicles in Viral Pathogenesis: A Case of Dr. Jekyll and Mr. Hyde. Life, 2021, 11, 45.	1.1	10

#	ARTICLE	IF	CITATIONS
382	Osteoarthritic Subchondral Bone Release Exosomes That Promote Cartilage Degeneration. <i>Cells</i> , 2021, 10, 251.	1.8	30
383	Extracellular Vesicles as Novel Diagnostic and Prognostic Biomarkers for Parkinson's Disease. , 2021, 12, 1494.		21
384	Brain-Derived Extracellular Vesicles in Health and Disease: A Methodological Perspective. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1365.	1.8	17
385	Exosomes in cancer. <i>Advances in Clinical Chemistry</i> , 2021, 101, 1-40.	1.8	13
386	DNA-Loaded Extracellular Vesicles in Liquid Biopsy: Tiny Players With Big Potential?. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 622579.	1.8	20
387	Diagnostic and Therapeutic Applications of Extracellular Vesicles in Interstitial Lung Diseases. <i>Diagnostics</i> , 2021, 11, 87.	1.3	5
388	Engineering exosomes for targeted drug delivery. <i>Theranostics</i> , 2021, 11, 3183-3195.	4.6	576
389	Exosomes in atherosclerosis: performers, bystanders, biomarkers, and therapeutic targets. <i>Theranostics</i> , 2021, 11, 3996-4010.	4.6	70
390	Up-regulation of the expressions of MiR-149-5p and MiR-99a-3p in exosome inhibits the progress of pituitary adenomas. <i>Cell Biology and Toxicology</i> , 2021, 37, 633-651.	2.4	20
391	Phosphatidylserine-exposing tumor-derived microparticles exacerbate coagulation and cancer cell transendothelial migration in triple-negative breast cancer. <i>Theranostics</i> , 2021, 11, 6445-6460.	4.6	12
392	General and mild modification of food-derived extracellular vesicles for enhanced cell targeting. <i>Nanoscale</i> , 2021, 13, 3061-3069.	2.8	16
393	Involvement of small extracellular vesicle-derived TIE-1 in the chemoresistance of ovarian cancer cells. <i>Cancer Treatment and Research Communications</i> , 2021, 27, 100364.	0.7	2
394	Study of NSCLC cell migration promoted by NSCLC-derived extracellular vesicle using atomic force microscopy. <i>Analytical Methods</i> , 2021, 13, 1455-1462.	1.3	1
395	Crosstalk between exosomes and autophagy: A review of molecular mechanisms and therapies. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2297-2308.	1.6	49
396	Plasma Extracellular Vesicle Subtypes May be Useful as Potential Biomarkers of Immune Activation in People With HIV. <i>Pathogens and Immunity</i> , 2021, 6, 1-28.	1.4	14
397	High-Throughput Simultaneous mRNA Profiling Using nCounter Technology Demonstrates That Extracellular Vesicles Contain Different mRNA Transcripts Than Their Parental Prostate Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 3717-3725.	3.2	15
398	Applications of cell resealing to reconstitute microRNA loading to extracellular vesicles. <i>Scientific Reports</i> , 2021, 11, 2900.	1.6	3
399	The Emerging Role of Small Extracellular Vesicles in Inflammatory Airway Diseases. <i>Diagnostics</i> , 2021, 11, 222.	1.3	5

#	ARTICLE	IF	CITATIONS
400	TREM2 sustains macrophage-hepatocyte metabolic coordination in nonalcoholic fatty liver disease and sepsis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	109
401	Diverse Populations of Extracellular Vesicles with Opposite Functions during Herpes Simplex Virus 1 Infection. <i>Journal of Virology</i> , 2021, 95, .	1.5	24
402	Autophagy Blockade Limits HER2+ Breast Cancer Tumorigenesis by Perturbing HER2 Trafficking and Promoting Release Via Small Extracellular Vesicles. <i>Developmental Cell</i> , 2021, 56, 341-355.e5.	3.1	25
404	Identification of small extracellular vesicle subtypes in follicular fluid: Insights into the function and miRNA profiles. <i>Journal of Cellular Physiology</i> , 2021, 236, 5633-5645.	2.0	10
405	MicroRNA-29a-3p delivery via exosomes derived from engineered human mesenchymal stem cells exerts tumour suppressive effects by inhibiting migration and vasculogenic mimicry in glioma. <i>Aging</i> , 2021, 13, 5055-5068.	1.4	37
406	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. <i>Nature Plants</i> , 2021, 7, 342-352.	4.7	153
407	Exosomes in Breast Cancer – Mechanisms of Action and Clinical Potential. <i>Molecular Cancer Research</i> , 2021, 19, 935-945.	1.5	18
408	Panax ginseng-Derived Extracellular Vesicles Facilitate Anti-Senescence Effects in Human Skin Cells: An Eco-Friendly and Sustainable Way to Use Ginseng Substances. <i>Cells</i> , 2021, 10, 486.	1.8	40
409	Gain-of-function p53 protein transferred via small extracellular vesicles promotes conversion of fibroblasts to a cancer-associated phenotype. <i>Cell Reports</i> , 2021, 34, 108726.	2.9	27
410	Extracellular Vesicles in Oncology: from Immune Suppression to Immunotherapy. <i>AAPS Journal</i> , 2021, 23, 30.	2.2	22
411	Selective loss of microvesicles is a major issue of the differential centrifugation isolation protocols. <i>Scientific Reports</i> , 2021, 11, 3589.	1.6	19
413	Inhibition of PDE1-B by Vinpocetine Regulates Microglial Exosomes and Polarization Through Enhancing Autophagic Flux for Neuroprotection Against Ischemic Stroke. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 616590.	1.8	29
414	Analysis of extracellular vesicle mRNA derived from plasma using the nCounter platform. <i>Scientific Reports</i> , 2021, 11, 3712.	1.6	21
415	Pentapartite fractionation of particles in oral fluids by differential centrifugation. <i>Scientific Reports</i> , 2021, 11, 3326.	1.6	12
416	Syntenin-knock out reduces exosome turnover and viral transduction. <i>Scientific Reports</i> , 2021, 11, 4083.	1.6	19
417	Comparative evaluation of methods for isolating small extracellular vesicles derived from pancreatic cancer cells. <i>Cell and Bioscience</i> , 2021, 11, 37.	2.1	15
418	Role of Tumor-Derived Extracellular Vesicles in Glioblastoma. <i>Cells</i> , 2021, 10, 512.	1.8	12
419	Mitovesicles are a novel population of extracellular vesicles of mitochondrial origin altered in Down syndrome. <i>Science Advances</i> , 2021, 7, .	4.7	127

#	ARTICLE	IF	CITATIONS
420	Proteomic Analysis of Plasma sEVs Reveals That TNFAIP8 Is a New Biomarker of Cell Proliferation in Diabetic Retinopathy. <i>Journal of Proteome Research</i> , 2021, 20, 1770-1782.	1.8	11
421	Advances in Analytical Technologies for Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 4739-4774.	3.2	53
422	Small EVs-Associated DNA as Complementary Biomarker to Circulating Tumor DNA in Plasma of Metastatic Colorectal Cancer Patients. <i>Pharmaceuticals</i> , 2021, 14, 128.	1.7	6
423	Role of Site-Specific Glycosylation in the I-Like Domain of Integrin $\alpha 1$ in Small Extracellular Vesicle-Mediated Malignant Behavior and FAK Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1770.	1.8	6
424	Overview and Update on Methods for Cargo Loading into Extracellular Vesicles. <i>Processes</i> , 2021, 9, 356.	1.3	57
425	The endogenous exposome of the pregnant mother: Placental extracellular vesicles and their effect on the maternal system. <i>Molecular Aspects of Medicine</i> , 2022, 87, 100955.	2.7	20
426	Insights into epithelial cell senescence from transcriptome and secretome analysis of human oral keratinocytes. <i>Aging</i> , 2021, 13, 4747-4777.	1.4	13
427	Importance of between and within Subject Variability in Extracellular Vesicle Abundance and Cargo when Performing Biomarker Analyses. <i>Cells</i> , 2021, 10, 485.	1.8	18
428	Why Cells and Viruses Cannot Survive without an ESCRT. <i>Cells</i> , 2021, 10, 483.	1.8	16
429	Mesenchymal stem cell-derived exosomes: therapeutic opportunities and challenges for spinal cord injury. <i>Stem Cell Research and Therapy</i> , 2021, 12, 102.	2.4	95
430	Challenges and advances in clinical applications of mesenchymal stromal cells. <i>Journal of Hematology and Oncology</i> , 2021, 14, 24.	6.9	247
431	Role of Exosomal miRNA in Bladder Cancer: A Promising Liquid Biopsy Biomarker. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1713.	1.8	36
432	Small Extracellular Vesicles Control Dendritic Spine Development through Regulation of HDAC2 Signaling. <i>Journal of Neuroscience</i> , 2021, 41, 3799-3807.	1.7	7
433	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. <i>Developmental Cell</i> , 2021, 56, 842-859.e8.	3.1	30
434	Extracellular vesicles in immunomodulation and tumor progression. <i>Nature Immunology</i> , 2021, 22, 560-570.	7.0	233
435	Human myeloma cell- and plasma-derived extracellular vesicles contribute to functional regulation of stromal cells. <i>Proteomics</i> , 2021, 21, e2000119.	1.3	13
436	The ins and outs of microvesicles. <i>FASEB BioAdvances</i> , 2021, 3, 399-406.	1.3	60
437	The functional impact of nuclear reorganization in cellular senescence. <i>Briefings in Functional Genomics</i> , 2022, 21, 24-34.	1.3	21

#	ARTICLE	IF	CITATIONS
438	Stem Cells-Derived Extracellular Vesicles: Potential Therapeutics for Wound Healing in Chronic Inflammatory Skin Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3130.	1.8	19
439	Proteomic and phospholipidomic characterization of extracellular vesicles inducing tumor microenvironment in Epstein-Barr virus-associated lymphomas. <i>FASEB Journal</i> , 2021, 35, e21505.	0.2	10
440	Serum Derived Extracellular Vesicles Mediated Delivery of Synthetic miRNAs in Human Endothelial Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 636587.	1.6	9
441	Toward next-generation advanced therapies: extracellular vesicles and cell therapy – partners or competitors?. <i>Regenerative Medicine</i> , 2021, 16, 215-218.	0.8	7
442	Multiparametric Profiling of Single Nanoscale Extracellular Vesicles by Combined Atomic Force and Fluorescence Microscopy: Correlation and Heterogeneity in Their Molecular and Biophysical Features. <i>Small</i> , 2021, 17, e2008155.	5.2	31
443	Emerging roles for the autophagy machinery in extracellular vesicle biogenesis and secretion. <i>FASEB BioAdvances</i> , 2021, 3, 377-386.	1.3	44
444	LncRNA SPOCD1-AS from ovarian cancer extracellular vesicles remodels mesothelial cells to promote peritoneal metastasis via interacting with G3BP1. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 101.	3.5	23
445	Selective packaging of mitochondrial proteins into extracellular vesicles prevents the release of mitochondrial DAMPs. <i>Nature Communications</i> , 2021, 12, 1971.	5.8	142
446	Changes in Oviductal Cells and Small Extracellular Vesicles miRNAs in Pregnant Cows. <i>Frontiers in Veterinary Science</i> , 2021, 8, 639752.	0.9	19
447	Rab27a-Dependent Paracrine Communication Controls Dendritic Spine Formation and Sensory Responses in the Barrel Cortex. <i>Cells</i> , 2021, 10, 622.	1.8	4
448	Effect of a Chloroacetyl Modification on the Suppression of Dissociation of a Fluorescent Molecule from Cells for Antigen-Specific Cell Staining. <i>Analytical Sciences</i> , 2021, 37, 529-532.	0.8	0
449	Beyond the Extracellular Vesicles: Technical Hurdles, Achieved Goals and Current Challenges When Working on Adipose Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3362.	1.8	6
450	Platelet-Derived Extracellular Vesicles Increase Col8a1 Secretion and Vascular Stiffness in Intimal Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641763.	1.8	12
451	Quantitative characterization of extracellular vesicle uptake and content delivery within mammalian cells. <i>Nature Communications</i> , 2021, 12, 1864.	5.8	126
452	Exosome-derived miR-196b-5p facilitates intercellular interaction in infantile hemangioma via down-regulating CDKN1B. <i>Annals of Translational Medicine</i> , 2021, 9, 394-394.	0.7	11
453	Isolation and characterization of extracellular vesicles produced by cell lines. <i>STAR Protocols</i> , 2021, 2, 100295.	0.5	29
454	Autophagy in Human T-Cell Leukemia Virus Type 1 (HTLV-1) Induced Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 641269.	1.3	9
455	Genomics-Guided Drawing of Molecular and Pathophysiological Components of Malignant Regulatory Signatures Reveals a Pivotal Role in Human Diseases of Stem Cell-Associated Retroviral Sequences and Functionally-Active hESC Enhancers. <i>Frontiers in Oncology</i> , 2021, 11, 638363.	1.3	6

#	ARTICLE	IF	CITATIONS
456	Annexin A1 Is Required for Efficient Tumor Initiation and Cancer Stem Cell Maintenance in a Model of Human Breast Cancer. <i>Cancers</i> , 2021, 13, 1154.	1.7	7
457	Cyclic tangential flow filtration system for isolation of extracellular vesicles. <i>APL Bioengineering</i> , 2021, 5, 016103.	3.3	31
458	Cerebellar Kv3.3 potassium channels activate TANK-binding kinase 1 to regulate trafficking of the cell survival protein Hax-1. <i>Nature Communications</i> , 2021, 12, 1731.	5.8	12
459	Placenta-Derived MicroRNAs in the Pathophysiology of Human Pregnancy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 646326.	1.8	28
460	ALIX and ceramide differentially control polarized small extracellular vesicle release from epithelial cells. <i>EMBO Reports</i> , 2021, 22, e51475.	2.0	57
461	Unbiased proteomic profiling of host cell extracellular vesicle composition and dynamics upon HIV-1 infection. <i>EMBO Journal</i> , 2021, 40, e105492.	3.5	36
462	Extracellular Vesicles and Renal Fibrosis: An Odyssey toward a New Therapeutic Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3887.	1.8	7
463	Exosomes: a new perspective in EGFR-mutated lung cancer. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 589-601.	2.7	19
464	Kinetics and Topology of DNA Associated with Circulating Extracellular Vesicles Released during Exercise. <i>Genes</i> , 2021, 12, 522.	1.0	23
465	Clodronate-loaded liposomal and fibroblast-derived exosomal hybrid system for enhanced drug delivery to pulmonary fibrosis. <i>Biomaterials</i> , 2021, 271, 120761.	5.7	76
466	Disentangling the complexity of tumor-derived extracellular vesicles. <i>Cell Reports</i> , 2021, 35, 108960.	2.9	20
467	Exosomal therapy—a new frontier in regenerative medicine. <i>Stem Cell Investigation</i> , 2021, 8, 7-7.	1.3	55
468	A call for Rigor and standardization in plant extracellular vesicle research. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12048.	5.5	66
469	Exosomal miRNAs in urine associated with children's cardiorenal parameters: a cross-sectional study. <i>Epigenomics</i> , 2021, 13, 499-512.	1.0	3
470	The role and potential application of extracellular vesicles in liver cancer. <i>Science China Life Sciences</i> , 2021, 64, 1281-1294.	2.3	10
471	Seminal Plasma: Relevant for Fertility?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4368.	1.8	56
472	ExoSTING, an extracellular vesicle loaded with STING agonists, promotes tumor immune surveillance. <i>Communications Biology</i> , 2021, 4, 497.	2.0	73
473	Delivery of oligonucleotide-based therapeutics: challenges and opportunities. <i>EMBO Molecular Medicine</i> , 2021, 13, e13243.	3.3	181

#	ARTICLE	IF	CITATIONS
474	Velocity Gradient Separation Reveals a New Extracellular Vesicle Population Enriched in miR-155 and Mitochondrial DNA. <i>Pathogens</i> , 2021, 10, 526.	1.2	6
475	The Role of Extracellular Vesicles in the Progression of Human Neuroblastoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3964.	1.8	11
476	Quantitative proteomic analysis of extracellular vesicle subgroups isolated by an optimized method combining polymer-based precipitation and size exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12087.	5.5	55
477	Mechanism of idiosyncratic drug induced liver injury (DILI): unresolved basic issues. <i>Annals of Translational Medicine</i> , 2021, 9, 730-730.	0.7	27
478	Hypoxic glioma-derived exosomes promote M2-like macrophage polarization by enhancing autophagy induction. <i>Cell Death and Disease</i> , 2021, 12, 373.	2.7	93
479	The Role of Adipose Stem Cells in Bone Regeneration and Bone Tissue Engineering. <i>Cells</i> , 2021, 10, 975.	1.8	26
480	Examining the evidence for extracellular RNA function in mammals. <i>Nature Reviews Genetics</i> , 2021, 22, 448-458.	7.7	41
481	Specimen-specific drift of densities defines distinct subclasses of extracellular vesicles from human whole saliva. <i>PLoS ONE</i> , 2021, 16, e0249526.	1.1	7
482	Distinct mRNAs in Cancer Extracellular Vesicles Activate Angiogenesis and Alter Transcriptome of Vascular Endothelial Cells. <i>Cancers</i> , 2021, 13, 2009.	1.7	5
483	Triggering receptor expressed on myeloid Cells-2 (TREM2) inhibits steroidogenesis in adrenocortical cell by macrophage-derived exosomes in lipopolysaccharide-induced septic shock. <i>Molecular and Cellular Endocrinology</i> , 2021, 525, 111178.	1.6	9
484	Insights Into Exosomal Non-Coding RNAs Sorting Mechanism and Clinical Application. <i>Frontiers in Oncology</i> , 2021, 11, 664904.	1.3	24
485	Visualizing Extracellular Vesicles and Their Function in 3D Tumor Microenvironment Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4784.	1.8	17
486	Combination of Urine Exosomal mRNAs and lncRNAs as Novel Diagnostic Biomarkers for Bladder Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 667212.	1.3	18
487	Toward an Understanding of Extracellular tRNA Biology. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 662620.	1.6	15
488	The exosome journey: from biogenesis to uptake and intracellular signalling. <i>Cell Communication and Signaling</i> , 2021, 19, 47.	2.7	606
491	Metabolomic Analysis of Small Extracellular Vesicles Derived from Pancreatic Cancer Cells Cultured under Normoxia and Hypoxia. <i>Metabolites</i> , 2021, 11, 215.	1.3	16
492	Emerging Role of Exosomes in Tuberculosis: From Immunity Regulations to Vaccine and Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 628973.	2.2	17
493	Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases. <i>Circulation</i> , 2021, 143, 1426-1449.	1.6	116

#	ARTICLE	IF	CITATIONS
494	Extracellular vesicles from monocyte/platelet aggregates modulate human atherosclerotic plaque reactivity. <i>Journal of Extracellular Vesicles</i> , 2021, 10, 12084.	5.5	32
495	Highly efficient exosome purification from human plasma by tangential flow filtration based microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129563.	4.0	51
496	The tissue origin effect of extracellular vesicles on cartilage and bone regeneration. <i>Acta Biomaterialia</i> , 2021, 125, 253-266.	4.1	72
497	Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021, 19, e3001166.	2.6	95
498	Serial profiling of cell-free DNA and nucleosome histone modifications in cell cultures. <i>Scientific Reports</i> , 2021, 11, 9460.	1.6	23
500	Novel Insights into the Potential Diagnostic Value of Circulating Exosomal lncRNA-Related Networks in Large Artery Atherosclerotic Stroke. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682769.	1.6	6
501	Extracellular Vesicles in neural cell interaction and CNS homeostasis. <i>FASEB BioAdvances</i> , 2021, 3, 577-592.	1.3	45
502	Characterization of ALTO-encoding circular RNAs expressed by Merkel cell polyomavirus and trichodysplasia spinulosa polyomavirus. <i>PLoS Pathogens</i> , 2021, 17, e1009582.	2.1	17
503	Intratracheal administration of mesenchymal stem cell-derived extracellular vesicles reduces lung injuries in a chronic rat model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L688-L704.	1.3	29
504	Stem cell-derived exosomes for wound healing: current status and promising directions. <i>Minerva Medica</i> , 2021, 112, 384-400.	0.3	60
506	Exploring the molecular content of CHO exosomes during bioprocessing. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3673-3689.	1.7	21
507	Preparation of a CaTiO ₃ /Al ₃ ⁺ /Pr ₃ ⁺ /Sm ₃ ⁺ nanocomposite for enrichment of exosomes in human serum. <i>Talanta</i> , 2021, 226, 122186.	2.9	6
508	Proteome reprogramming of endometrial epithelial cells by human trophoblastic small extracellular vesicles reveals key insights into embryo implantation. <i>Proteomics</i> , 2021, 21, e2000210.	1.3	18
509	Proteome characterisation of extracellular vesicles isolated from heart. <i>Proteomics</i> , 2021, 21, e2100026.	1.3	28
510	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2021, 133, 13582-13587.	1.6	5
511	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13470-13475.	7.2	27
512	Alteration of payload in extracellular vesicles by crosstalk with mesenchymal stem cells from different origin. <i>Journal of Nanobiotechnology</i> , 2021, 19, 148.	4.2	5
513	Exosomes provide unappreciated carrier effects that assist transfers of their miRNAs to targeted cells; I. They are "The Elephant in the Room". <i>RNA Biology</i> , 2021, 18, 1-16.	1.5	8

#	ARTICLE	IF	CITATIONS
514	Engineering of Extracellular Vesicles Based on Payload Changes for Tissue Regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 485-497.	1.6	9
515	CD9 inhibition reveals a functional connection of extracellular vesicle secretion with mitophagy in melanoma cells. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12082.	5.5	27
516	A versatile platform for generating engineered extracellular vesicles with defined therapeutic properties. <i>Molecular Therapy</i> , 2021, 29, 1729-1743.	3.7	152
517	Exosomes: Innocent Bystanders or Critical Culprits in Neurodegenerative Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 635104.	1.8	34
518	Cancer stem cell marker DCLK1 reprograms small extracellular vesicles toward migratory phenotype in gastric cancer cells. <i>Proteomics</i> , 2021, 21, e2000098.	1.3	15
519	Non-canonical argonaute loading of extracellular vesicle-derived exogenous single-stranded miRNA in recipient cells. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	14
520	Emerging methods in biomarker identification for extracellular vesicle-based liquid biopsy. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12090.	5.5	77
521	Changes in the proteome of extracellular vesicles shed by rat liver after subtoxic exposure to acetaminophen. <i>Electrophoresis</i> , 2021, 42, 1388-1398.	1.3	1
522	Understanding extracellular vesicle and nanoparticle heterogeneity: Novel methods and considerations. <i>Proteomics</i> , 2021, 21, e2000118.	1.3	38
523	MicroRNA panel in serum reveals novel diagnostic biomarkers for prostate cancer. <i>PeerJ</i> , 2021, 9, e11441.	0.9	8
524	Mesenchymal stem cell-derived extracellular vesicles in the failing heart: past, present, and future. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1999-H2010.	1.5	18
525	Mastocytosis-derived extracellular vesicles deliver miR-23a and miR-30a into pre-osteoblasts and prevent osteoblastogenesis and bone formation. <i>Nature Communications</i> , 2021, 12, 2527.	5.8	38
526	Regulation of Nrf2 signaling pathway in heart failure: Role of extracellular vesicles and non-coding RNAs. <i>Free Radical Biology and Medicine</i> , 2021, 167, 218-231.	1.3	30
527	Biogenesis, Membrane Trafficking, Functions, and Next Generation Nanotherapeutics Medicine of Extracellular Vesicles. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3357-3383.	3.3	54
528	Extracellular vesicles as novel assay tools to study cellular interactions of anti-infective compounds – A perspective. <i>Advanced Drug Delivery Reviews</i> , 2021, 173, 492-503.	6.6	6
529	Plant extracellular vesicles: Trojan horses of cross-kingdom warfare. <i>FASEB BioAdvances</i> , 2021, 3, 657-664.	1.3	29
530	Extracellular Vesicles in Immune System Regulation and Type 1 Diabetes: Cell-to-Cell Communication Mediators, Disease Biomarkers, and Promising Therapeutic Tools. <i>Frontiers in Immunology</i> , 2021, 12, 682948.	2.2	23
531	Dissecting the multi-omics atlas of the exosomes released by human lung adenocarcinoma stem-like cells. <i>Npj Genomic Medicine</i> , 2021, 6, 48.	1.7	18

#	ARTICLE	IF	CITATIONS
532	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , 2021, 5, 678-689.	11.6	90
533	Extracellular vesicles in neuroinflammation: Pathogenesis, diagnosis, and therapy. <i>Molecular Therapy</i> , 2021, 29, 1946-1957.	3.7	30
534	Cell-Secreted Vesicles: Novel Opportunities in Cancer Diagnosis, Monitoring and Treatment. <i>Diagnostics</i> , 2021, 11, 1118.	1.3	5
535	Message in a Bubble: Shuttling Small RNAs and Proteins Between Cells and Interacting Organisms Using Extracellular Vesicles. <i>Annual Review of Plant Biology</i> , 2021, 72, 497-524.	8.6	85
536	Exosomes: A Friend or Foe for Osteoporotic Fracture?. <i>Frontiers in Endocrinology</i> , 2021, 12, 679914.	1.5	6
537	Exosomal miR-2276-5p in Plasma Is a Potential Diagnostic and Prognostic Biomarker in Glioma. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671202.	1.8	27
538	Mesenchymal stem cells-derived extracellular vesicles ameliorate Alzheimer's disease in rat models via the microRNA-29c-3p/BACE1 axis and the Wnt/ β -catenin pathway. <i>Aging</i> , 2021, 13, 15285-15306.	1.4	40
539	Extracellular vesicle and particle-mediated communication shapes innate and adaptive immune responses. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	47
540	Exosomes in Intestinal Inflammation. <i>Frontiers in Pharmacology</i> , 2021, 12, 658505.	1.6	24
541	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. <i>Small</i> , 2021, 17, e2007971.	5.2	79
542	Quantitative proteomics identifies the core proteome of exosomes with syntenin-1 as the highest abundant protein and a putative universal biomarker. <i>Nature Cell Biology</i> , 2021, 23, 631-641.	4.6	213
543	Phospholipase A2 Drives Tumorigenesis and Cancer Aggressiveness through Its Interaction with Annexin A1. <i>Cells</i> , 2021, 10, 1472.	1.8	44
544	An Improved Detection of Circulating Tumor DNA in Extracellular Vesicles-Depleted Plasma. <i>Frontiers in Oncology</i> , 2021, 11, 691798.	1.3	3
545	Revisiting Extracellular RNA Release, Processing, and Function. <i>Trends in Biochemical Sciences</i> , 2021, 46, 438-445.	3.7	46
546	Human Mesenchymal Stromal Cell-Derived Exosomes Promote In Vitro Wound Healing by Modulating the Biological Properties of Skin Keratinocytes and Fibroblasts and Stimulating Angiogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6239.	1.8	46
547	No small matter: emerging roles for exosomal miRNAs in the immune system. <i>FEBS Journal</i> , 2022, 289, 4021-4037.	2.2	10
549	Do miRNAs Have a Role in Platelet Function Regulation?. <i>Hamostaseologie</i> , 2021, 41, 217-224.	0.9	4
550	A Fluorescence Assay for Exosome Detection Based on Bivalent Cholesterol Anchor Triggered Target Conversion and Enzyme-Free Signal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 8493-8500.	3.2	53

#	ARTICLE	IF	CITATIONS
551	Pulsed Focal Ultrasound as a Non-Invasive Method to Deliver Exosomes in the Brain/Stroke. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1170-1183.	0.5	6
552	Standardized Methodologies to Utilize Exosome Treatment as Potential Nano Substances in Hearing Loss. <i>Journal of Otorhinolaryngology Hearing and Balance Medicine</i> , 2021, 2, 6.	0.2	1
553	Review of Methodological Approaches to Human Milk Small Extracellular Vesicle Proteomics. <i>Biomolecules</i> , 2021, 11, 833.	1.8	8
554	Profiling of Extracellular Small RNAs Highlights a Strong Bias towards Non-Vesicular Secretion. <i>Cells</i> , 2021, 10, 1543.	1.8	11
555	SiRNA in MSC-derived exosomes silences CTGF gene for locomotor recovery in spinal cord injury rats. <i>Stem Cell Research and Therapy</i> , 2021, 12, 334.	2.4	29
556	Extracellular vesicles' incorporated microRNA signature as biomarker and diagnosis of prediabetes state and its complications. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 309-332.	2.6	11
559	Glycolipid-Anchored Proteins on Bioengineered Extracellular Vesicles for Lipopolysaccharide Neutralization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29313-29324.	4.0	3
560	Distinct Extracellular RNA Profiles in Different Plasma Components. <i>Frontiers in Genetics</i> , 2021, 12, 564780.	1.1	7
561	Impact of chemically defined culture media formulations on extracellular vesicle production by amniotic epithelial cells. <i>Proteomics</i> , 2021, 21, 2000080.	1.3	9
562	Role of Microparticles in Cardiovascular Disease: Implications for Endothelial Dysfunction, Thrombosis, and Inflammation. <i>Hypertension</i> , 2021, 77, 1825-1844.	1.3	26
563	The Potential of Serum Exosomal hsa_circ_0028861 as the Novel Diagnostic Biomarker of HBV-Derived Hepatocellular Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 703205.	1.1	17
564	DC-Derived Exosomes for Cancer Immunotherapy. <i>Cancers</i> , 2021, 13, 3667.	1.7	43
565	Exosomal miR-4443 promotes cisplatin resistance in non-small cell lung carcinoma by regulating FSP1 m6A modification-mediated ferroptosis. <i>Life Sciences</i> , 2021, 276, 119399.	2.0	123
566	Exosomes derived from macrophages upon cobalt ion stimulation promote angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111742.	2.5	8
567	The Biogenesis, Biological Functions, and Applications of Macrophage-Derived Exosomes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 715461.	1.6	30
568	Plant transfer RNA-derived fragments: Biogenesis and functions. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1399-1409.	4.1	16
569	WT1 and ACE mRNAs of blood extracellular vesicle as biomarkers of diabetic nephropathy. <i>Journal of Translational Medicine</i> , 2021, 19, 299.	1.8	8
570	Extracellular vesicles produced by primary human keratinocytes in response to TLR agonists induce stimulus-specific responses in antigen-presenting cells. <i>Cellular Signalling</i> , 2021, 83, 109994.	1.7	9

#	ARTICLE	IF	CITATIONS
571	Proteomic identification of the contents of small extracellular vesicles from in vivo Plasmodium yoelii infection. <i>International Journal for Parasitology</i> , 2022, 52, 35-45.	1.3	6
572	Cancer spheroids derived exosomes reveal more molecular features relevant to progressed cancer. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 101026.	0.7	11
573	Separation, characterization, and standardization of extracellular vesicles for drug delivery applications. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 348-368.	6.6	66
574	Metformin facilitates mesenchymal stem cell-derived extracellular nanovesicles release and optimizes therapeutic efficacy in intervertebral disc degeneration. <i>Biomaterials</i> , 2021, 274, 120850.	5.7	67
576	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2195-2209.	3.0	31
577	Specificities of exosome versus small ectosome secretion revealed by live intracellular tracking of CD63 and CD9. <i>Nature Communications</i> , 2021, 12, 4389.	5.8	342
578	Aptamer-Based DNA Materials for the Separation and Analysis of Biological Particles. <i>Transactions of Tianjin University</i> , 2021, 27, 450.	3.3	0
579	Boneâ€œPetite: Engineering Exosomes towards Bone, Osteochondral, and Cartilage Repair. <i>Small</i> , 2021, 17, e2101741.	5.2	79
580	Extracellular vesicles-mediated interaction within intestinal microenvironment in inflammatory bowel disease. <i>Journal of Advanced Research</i> , 2022, 37, 221-233.	4.4	45
581	Targeting Inflammation after Myocardial Infarction: A Therapeutic Opportunity for Extracellular Vesicles?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7831.	1.8	23
582	Characteristics and Clinical Application of Extracellular Vesicle-Derived DNA. <i>Cancers</i> , 2021, 13, 3827.	1.7	22
583	Controlled release of MSC-derived small extracellular vesicles by an injectable Diels-Alder crosslinked hyaluronic acid/PEG hydrogel for osteoarthritis improvement. <i>Acta Biomaterialia</i> , 2021, 128, 163-174.	4.1	37
584	Exosomal annexin A6 induces gemcitabine resistance by inhibiting ubiquitination and degradation of EGFR in triple-negative breast cancer. <i>Cell Death and Disease</i> , 2021, 12, 684.	2.7	27
585	Toward a better understanding of inflammatory microvesicles in alcohol use disorder. <i>Journal of Neuroscience Research</i> , 2021, 99, 2364-2366.	1.3	0
586	A Small Vimentin-Binding Molecule Blocks Cancer Exosome Release and Reduces Cancer Cell Mobility. <i>Frontiers in Pharmacology</i> , 2021, 12, 627394.	1.6	13
587	Bone marrow mesenchymal stem cell-derived exosomes attenuate cerebral ischemia-reperfusion injury-induced neuroinflammation and pyroptosis by modulating microglia M1/M2 phenotypes. <i>Experimental Neurology</i> , 2021, 341, 113700.	2.0	140
588	Oncogene-regulated release of extracellular vesicles. <i>Developmental Cell</i> , 2021, 56, 1989-2006.e6.	3.1	37
589	Emerging Exosomes and Exosomal MiRNAs in Spinal Cord Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 703989.	1.8	44

#	ARTICLE	IF	CITATIONS
590	Exosomal hsa_circRNA_104484 and hsa_circRNA_104670 may serve as potential novel biomarkers and therapeutic targets for sepsis. <i>Scientific Reports</i> , 2021, 11, 14141.	1.6	25
591	Friends and foes: Extracellular vesicles in aging and rejuvenation. <i>FASEB BioAdvances</i> , 2021, 3, 787-801.	1.3	15
592	Diagnostic potential of serum extracellular vesicles expressing prostate-specific membrane antigen in urologic malignancies. <i>Scientific Reports</i> , 2021, 11, 15000.	1.6	9
593	Application of Data Science in Circulating Tumor DNA Detection: A Promising Avenue Towards Liquid Biopsy. <i>Frontiers in Oncology</i> , 2021, 11, 692322.	1.3	4
594	Fast and Ultrasensitive Visual Detection of Exosomes in Body Fluids for Point-of-Care Disease Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 10372-10377.	3.2	11
595	Exosomal Components and Modulators in Colorectal Cancer: Novel Diagnosis and Prognosis Biomarkers. <i>Biomedicines</i> , 2021, 9, 931.	1.4	12
596	Deregulation of Exo70 Facilitates Innate and Acquired Cisplatin Resistance in Epithelial Ovarian Cancer by Promoting Cisplatin Efflux. <i>Cancers</i> , 2021, 13, 3467.	1.7	9
597	Role of Extracellular Vesicle-Derived Biomarkers in Drug Metabolism and Disposition. <i>Drug Metabolism and Disposition</i> , 2021, 49, 961-971.	1.7	10
598	Current Applications and Discoveries Related to the Membrane Components of Circulating Tumor Cells and Extracellular Vesicles. <i>Cells</i> , 2021, 10, 2221.	1.8	5
599	Extracellular Vesicles and Thrombosis: Update on the Clinical and Experimental Evidence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9317.	1.8	35
600	Extracellular vesicles in obesity and its associated inflammation. <i>International Reviews of Immunology</i> , 2022, 41, 30-44.	1.5	12
601	Annexin A1 as a Regulator of Immune Response in Cancer. <i>Cells</i> , 2021, 10, 2245.	1.8	42
602	Pericentromeric noncoding RNA changes DNA binding of CTCF and inflammatory gene expression in senescence and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	38
603	Type 1 Diabetes and Associated Cardiovascular Damage: Contribution of Extracellular Vesicles in Tissue Crosstalk. <i>Antioxidants and Redox Signaling</i> , 2021, , .	2.5	0
604	Beyond Autophagy: The Expanding Roles of ATG8 Proteins. <i>Trends in Biochemical Sciences</i> , 2021, 46, 673-686.	3.7	68
605	CRISPR/Cas-Based In Vitro Diagnostic Platforms for Cancer Biomarker Detection. <i>Analytical Chemistry</i> , 2021, 93, 11899-11909.	3.2	54
606	Communication is key: extracellular vesicles as mediators of infection and defence during host-microbe interactions in animals and plants. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	33
607	EVAtlas: a comprehensive database for ncRNA expression in human extracellular vesicles. <i>Nucleic Acids Research</i> , 2022, 50, D111-D117.	6.5	27

#	ARTICLE	IF	CITATIONS
608	A Novel Microfluidic Chip for Fast, Sensitive Quantification of Plasma Extracellular Vesicles as Biomarkers in Patients With Osteosarcoma. <i>Frontiers in Oncology</i> , 2021, 11, 709255.	1.3	6
609	Small extracellular vesicles released by infused mesenchymal stromal cells target M2 macrophages and promote TGF β ² upregulation, microvascular stabilization and functional recovery in a rodent model of severe spinal cord injury. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12137.	5.5	71
610	Extracellular miRNAs and Cell-Cell Communication: Problems and Prospects. <i>Trends in Biochemical Sciences</i> , 2021, 46, 640-651.	3.7	67
611	Mesenchymal stromal cell-derived syndecan-2 regulates the immune response during sepsis to foster bacterial clearance and resolution of inflammation. <i>FEBS Journal</i> , 2022, 289, 417-435.	2.2	8
612	Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2021, 16, 52.	4.4	19
613	Soybean-Derived Antihypertensive Peptide LSW (Leu-Ser-Trp) Antagonizes the Damage of Angiotensin II to Vascular Endothelial Cells through the Trans-vesicular Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10536-10549.	2.4	16
614	Exosomes in Dogs and Cats: An Innovative Approach to Neoplastic and Non-Neoplastic Diseases. <i>Pharmaceuticals</i> , 2021, 14, 766.	1.7	9
615	Longitudinal stability of urinary extracellular vesicle protein patterns within and between individuals. <i>Scientific Reports</i> , 2021, 11, 15629.	1.6	6
616	In vivo imaging of EVs in zebrafish: New perspectives from the waterside. <i>FASEB BioAdvances</i> , 2021, 3, 918-929.	1.3	7
617	Extracellular Vesicles in Acute Kidney Injury and Clinical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8913.	1.8	15
618	Mycosis fungoides-derived exosomes promote cell motility and are enriched with microRNA-155 and microRNA-1246, and their plasma cell-free expression may serve as a potential biomarker for disease burden. <i>British Journal of Dermatology</i> , 2021, 185, 999-1012.	1.4	5
619	Dual-Aptamer-Assisted AND Logic Gate for Cyclic Enzymatic Signal Amplification Electrochemical Detection of Tumor-Derived Small Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 11298-11304.	3.2	48
620	Hepatic Clearance of Cell-Free DNA: Possible Impact on Early Metastasis Diagnosis. <i>Molecular Diagnosis and Therapy</i> , 2021, 25, 677-682.	1.6	7
621	Characterization of RNA in Extracellular Vesicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7520.	1.3	7
622	The Yin and Yang of exosome isolation methods: conventional practice, microfluidics, and commercial kits. <i>Biotechnology Advances</i> , 2022, 54, 107814.	6.0	77
623	Exosomes: Potential Disease Biomarkers and New Therapeutic Targets. <i>Biomedicines</i> , 2021, 9, 1061.	1.4	46
624	Itraconazole inhibits nuclear delivery of extracellular vesicle cargo by disrupting the entry of late endosomes into the nucleoplasmic reticulum. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12132.	5.5	11
625	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , 2021, 18, 1013-1026.	9.0	163

#	ARTICLE	IF	CITATIONS
626	How does the boar epididymis regulate the emission of fertile spermatozoa?. <i>Animal Reproduction Science</i> , 2022, 246, 106829.	0.5	10
627	Advanced Nanotechnologies for Extracellular Vesicle-Based Liquid Biopsy. <i>Advanced Science</i> , 2021, 8, e2102789.	5.6	46
628	Ovarian-Cancer-Associated Extracellular Vesicles: Microenvironmental Regulation and Potential Clinical Applications. <i>Cells</i> , 2021, 10, 2272.	1.8	17
629	Exosomes and extracellular vesicles: Rethinking the essential values in cancer biology. <i>Seminars in Cancer Biology</i> , 2021, 74, 79-91.	4.3	65
630	Extracellular Vesicles in Lung Cancer: Prospects for Diagnostic and Therapeutic Applications. <i>Cancers</i> , 2021, 13, 4604.	1.7	10
631	Ultracentrifugal separation, characterization, and functional study of extracellular vesicles derived from serum-free cell culture. <i>STAR Protocols</i> , 2021, 2, 100625.	0.5	6
632	Extracellular vesicles in the tumor immune microenvironment. <i>Cancer Letters</i> , 2021, 516, 48-56.	3.2	25
633	Extracellular Vesicles: Emerging Players in Plant Defense Against Pathogens. <i>Frontiers in Plant Science</i> , 2021, 12, 757925.	1.7	24
634	Extracellular miRNAs in redox signaling: Health, disease and potential therapies. <i>Free Radical Biology and Medicine</i> , 2021, 173, 170-187.	1.3	15
638	Development of Extracellular Vesicle Therapeutics: Challenges, Considerations, and Opportunities. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734720.	1.8	75
639	Schwann cell-derived exosomes: Janus-faced mediators of regeneration and disease. <i>Glia</i> , 2022, 70, 20-34.	2.5	15
640	Nanoscale Extracellular Vesicles Carry the Mechanobiology Signatures of Breast Cancer Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 9876-9885.	2.4	9
641	Apoptotic Extracellular Vesicles Ameliorate Multiple Myeloma by Restoring Fas-Mediated Apoptosis. <i>ACS Nano</i> , 2021, 15, 14360-14372.	7.3	47
642	The role and therapeutic potential of exosomes in ischemic stroke. <i>Neurochemistry International</i> , 2021, 151, 105194.	1.9	20
643	Identifying extracellular vesicle populations from single cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	38
644	Nanotube-like processes facilitate material transfer between photoreceptors. <i>EMBO Reports</i> , 2021, 22, e53732.	2.0	42
645	The biology, function, and applications of exosomes in cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2783-2797.	5.7	209
646	Mesenchymal Stem Cell-Derived Exosomes and Their Potential Agents in Hematological Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	13

#	ARTICLE	IF	CITATIONS
647	Bardet-Biedl syndrome proteins modulate the release of bioactive extracellular vesicles. <i>Nature Communications</i> , 2021, 12, 5671.	5.8	23
648	The Role of Extracellular Vesicles in the Developing Brain: Current Perspective and Promising Source of Biomarkers and Therapy for Perinatal Brain Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 744840.	1.4	7
649	Delivery of Oligonucleotide Therapeutics: Chemical Modifications, Lipid Nanoparticles, and Extracellular Vesicles. <i>ACS Nano</i> , 2021, 15, 13993-14021.	7.3	74
650	Opportunities and Pitfalls of Fluorescent Labeling Methodologies for Extracellular Vesicle Profiling on High-Resolution Single-Particle Platforms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10510.	1.8	18
652	Secret messengers: Extracellular RNA communication in the immune system*. <i>Immunological Reviews</i> , 2021, 304, 62-76.	2.8	12
653	Extracellular Vesicles in Reprogramming of the Ewing Sarcoma Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 726205.	1.8	7
654	Points of View on the Tools for Genome/Gene Editing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9872.	1.8	10
656	tiRNA signaling via stress-regulated vesicle transfer in the hematopoietic niche. <i>Cell Stem Cell</i> , 2021, 28, 2090-2103.e9.	5.2	20
657	Extracellular vesicles in seminal fluid and effects on male reproduction. An overview in farm animals and pets. <i>Animal Reproduction Science</i> , 2022, 246, 106853.	0.5	20
658	Burn Injury Induces Proinflammatory Plasma Extracellular Vesicles That Associate with Length of Hospital Stay in Women: CRP and SAA1 as Potential Prognostic Indicators. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10083.	1.8	9
659	Extracellular vesicles in anti-tumor immunity. <i>Seminars in Cancer Biology</i> , 2022, 86, 64-79.	4.3	21
660	Bovine milk processing impacts characteristics of extracellular vesicle isolates obtained by size-exclusion chromatography. <i>International Dairy Journal</i> , 2022, 127, 105212.	1.5	5
661	Comparison of methods for pre-processing, exosome isolation, and RNA extraction in unpasteurized bovine and human milk. <i>PLoS ONE</i> , 2021, 16, e0257633.	1.1	37
662	Application of Extracellular Vesicles in Aquatic Animals: A Review of the Latest Decade. <i>Reviews in Fisheries Science and Aquaculture</i> , 2022, 30, 447-466.	5.1	4
663	KRAS-dependent cancer cells promote survival by producing exosomes enriched in Survivin. <i>Cancer Letters</i> , 2021, 517, 66-77.	3.2	22
664	Exosome-mediated mRNA delivery in vivo is safe and can be used to induce SARS-CoV-2 immunity. <i>Journal of Biological Chemistry</i> , 2021, 297, 101266.	1.6	64
665	Small extracellular vesicle-mediated bidirectional crosstalk between neutrophils and tumor cells. <i>Cytokine and Growth Factor Reviews</i> , 2021, 61, 16-26.	3.2	18
666	CD151 enrichment in exosomes of luminal androgen receptor breast cancer cell line contributes to cell invasion. <i>Biochimie</i> , 2021, 189, 65-75.	1.3	4

#	ARTICLE	IF	CITATIONS
667	Tissue-derived extracellular vesicles: Research progress from isolation to application. <i>Pathology Research and Practice</i> , 2021, 226, 153604.	1.0	10
668	Extracellular vesicles are the primary source of blood-borne tumour-derived mutant <i>KRAS</i> DNA early in pancreatic cancer. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12142.	5.5	21
669	Extracellular Vesicle-Based Therapy for COVID-19: Promises, Challenges and Future Prospects. <i>Biomedicines</i> , 2021, 9, 1373.	1.4	33
670	Extracellular Vesicle Proteomes Shed Light on the Evolutionary, Interactive, and Functional Divergence of Their Biogenesis Mechanisms. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734950.	1.8	7
671	Mesenchymal stem cell-derived exosome microRNA as therapy for cardiac ischemic injury. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112118.	2.5	30
672	Small extracellular vesicles in cancer. <i>Bioactive Materials</i> , 2021, 6, 3705-3743.	8.6	61
673	Combinatorial therapy in tumor microenvironment: Where do we stand?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188585.	3.3	48
674	ExoSD chips for high-purity immunomagnetic separation and high-sensitivity detection of gastric cancer cell-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113594.	5.3	39
675	Molecular profiling of extracellular vesicles via charge-based capture using oxide nanowire microfluidics. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113589.	5.3	15
676	Bioinspired therapeutic platform based on extracellular vesicles for prevention of arterial wall remodeling in hypertension. <i>Bioactive Materials</i> , 2022, 8, 494-504.	8.6	9
677	The emerging world of subcellular biological medicine: extracellular vesicles as novel biomarkers, targets, and therapeutics. <i>Neural Regeneration Research</i> , 2022, 17, 1020.	1.6	6
678	Postlymphadenectomy Analysis of Exosomes from Lymphatic Exudate/Exudative Seroma of Melanoma Patients. <i>Methods in Molecular Biology</i> , 2021, 2265, 345-359.	0.4	0
679	<i>In situ</i> detection of plasma exosomal microRNA for lung cancer diagnosis using duplex-specific nuclease and MoS ₂ nanosheets. <i>Analyst, The</i> , 2021, 146, 1924-1931.	1.7	27
680	A Protocol for Isolation, Purification, Characterization, and Functional Dissection of Exosomes. <i>Methods in Molecular Biology</i> , 2021, 2261, 105-149.	0.4	33
681	Extracellular vesicles deposit <i>PCNA</i> to rejuvenate aged bone marrow-derived mesenchymal stem cells and slow age-related degeneration. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	65
682	Biomolecules in cell-derived extracellular vesicle chariots as warriors to repair damaged tissues. <i>Nanoscale</i> , 2021, 13, 16017-16033.	2.8	8
683	The role of Exosomes in the Pathogenesis of Nasopharyngeal Carcinoma and the involved Clinical Application. <i>International Journal of Biological Sciences</i> , 2021, 17, 2147-2156.	2.6	14
684	Self-limiting self-assembly of supraparticles for potential biological applications. <i>Nanoscale</i> , 2021, 13, 2302-2311.	2.8	8

#	ARTICLE	IF	CITATIONS
685	Genome-wide methylation profiling of glioblastoma cell-derived extracellular vesicle DNA allows tumor classification. <i>Neuro-Oncology</i> , 2021, 23, 1087-1099.	0.6	59
686	Emerging Roles of Urine-Derived Components for the Management of Bladder Cancer: One Man's Trash Is Another Man's Treasure. <i>Cancers</i> , 2021, 13, 422.	1.7	15
687	Characterization and Fine Structure of Exosomes. , 2021, , 27-75.		2
688	Recent Advances in Experimental Models of Breast Cancer Exosome Secretion, Characterization and Function. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2020, 25, 305-317.	1.0	11
689	Imaging intercellular interaction and extracellular vesicle exchange in a co-culture model of chronic lymphocytic leukemia and stromal cells by lattice light-sheet fluorescence microscopy. <i>Methods in Enzymology</i> , 2020, 645, 79-107.	0.4	6
690	DLC-1 down-regulation via exosomal miR-106b-3p exchange promotes CRC metastasis by the epithelial-to-mesenchymal transition. <i>Clinical Science</i> , 2020, 134, 955-959.	1.8	11
691	Potential role of extracellular vesicles in the pathophysiology of glomerular diseases. <i>Clinical Science</i> , 2020, 134, 2741-2754.	1.8	6
692	The EVTRACK summary add-on: integration of experimental information in databases to ensure comprehensive interpretation of biological knowledge on extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1699367.	5.5	25
693	The RNA binding protein FMR1 controls selective exosomal miRNA cargo loading during inflammation. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	87
694	Simultaneous detection of multiple exosomal microRNAs for exosome screening based on rolling circle amplification. <i>Nanotechnology</i> , 2021, 32, 085504.	1.3	14
703	Recent advances in understanding mesenchymal stromal cells. <i>F1000Research</i> , 2020, 9, 156.	0.8	22
704	Oligodendrocytes support axonal transport and maintenance via exosome secretion. <i>PLoS Biology</i> , 2020, 18, e3000621.	2.6	85
705	Glutamine deprivation alters the origin and function of cancer cell exosomes. <i>EMBO Journal</i> , 2020, 39, e103009.	3.5	64
706	Cancer-secreted miRNAs regulate amino acid-induced mTORC1 signaling and fibroblast protein synthesis. <i>EMBO Reports</i> , 2021, 22, e51239.	2.0	17
707	RAB27A-mediated melanoma exosomes: promoters of invasion and metastasis. <i>Translational Cancer Research</i> , 2019, 8, 732-735.	0.4	4
708	Methods for the Determination of the Purity of Exosomes. <i>Current Pharmaceutical Design</i> , 2020, 25, 4464-4485.	0.9	15
709	Rapid Nickel-based Isolation of Extracellular Vesicles from Different Biological Fluids. <i>Bio-protocol</i> , 2020, 10, e3512.	0.2	7
710	Next-Generation Cancer Biomarkers: Extracellular Vesicle DNA as a Circulating Surrogate of Tumor DNA. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 622048.	1.8	29

#	ARTICLE	IF	CITATIONS
711	Comparison of Circulating Tumour DNA and Extracellular Vesicle DNA by Low-Pass Whole-Genome Sequencing Reveals Molecular Drivers of Disease in a Breast Cancer Patient. <i>Biomedicines</i> , 2021, 9, 14.	1.4	13
712	The Role and Impact of Extracellular Vesicles in the Modulation and Delivery of Cytokines during Autoimmunity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7096.	1.8	18
713	MicroRNA-34a expression in the plasma and in its extracellular vesicle fractions in subjects with Parkinson's disease: An exploratory study. <i>International Journal of Molecular Medicine</i> , 2020, 47, 533-546.	1.8	49
714	Multifunctional role of microRNAs in mesenchymal stem cell-derived exosomes in treatment of diseases. <i>World Journal of Stem Cells</i> , 2020, 12, 1276-1294.	1.3	28
715	Distinct mechanisms of microRNA sorting into cancer cell-derived extracellular vesicle subtypes. <i>ELife</i> , 2019, 8, .	2.8	164
716	Analysis of Annotated and Unannotated Long Noncoding RNAs from Exosome Subtypes Using Next-Generation RNA Sequencing. <i>Methods in Molecular Biology</i> , 2021, 2254, 195-218.	0.4	1
717	Amelioration of systemic inflammation via the display of two different decoy protein receptors on extracellular vesicles. <i>Nature Biomedical Engineering</i> , 2021, 5, 1084-1098.	11.6	41
718	The miR-223-3p Regulates Pyroptosis Through NLRP3-Caspase 1-GSDMD Signal Axis in Periodontitis. <i>Inflammation</i> , 2021, 44, 2531-2542.	1.7	23
719	Tumor-Derived Extracellular Vesicles: A Means of Co-opting Macrophage Polarization in the Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 746432.	1.8	14
720	Nucleic Acid Drugs' Current Status, Issues, and Expectations for Exosomes. <i>Cancers</i> , 2021, 13, 5002.	1.7	42
721	Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey With a Focus on Transferred microRNAs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 766371.	1.8	6
722	Crosstalk between autophagy inhibitors and endosome-related secretory pathways: a challenge for autophagy-based treatment of solid cancers. <i>Molecular Cancer</i> , 2021, 20, 140.	7.9	36
723	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: a position paper from the EU-CardioRNA COST action CA17129. <i>Cardiovascular Research</i> , 2022, 118, 3183-3197.	1.8	18
724	Impact of native and external factors on exosome release: understanding reactive exosome secretion and its biogenesis. <i>Molecular Biology Reports</i> , 2021, 48, 7559-7573.	1.0	9
725	Exosome-Mediated Crosstalk Between Tumor and Tumor-Associated Macrophages. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 764222.	1.6	25
726	Macrophage-tumor chimeric exosomes accumulate in lymph node and tumor to activate the immune response and the tumor microenvironment. <i>Science Translational Medicine</i> , 2021, 13, eabb6981.	5.8	84
728	Glycocalyx Curving the Membrane: Forces Emerging from the Cell Exterior. <i>Annual Review of Cell and Developmental Biology</i> , 2021, 37, 257-283.	4.0	19
729	Perspectives of bovine and human milk exosomics as health biomarkers for advancing systemic therapeutic potential. <i>Food Biotechnology</i> , 2021, 35, 273-309.	0.6	1

#	ARTICLE	IF	CITATIONS
730	Can Soluble Immune Checkpoint Molecules on Exosomes Mediate Inflammation?. <i>Journal of NeuroImmune Pharmacology</i> , 2021, , 1.	2.1	2
731	Neddylation of Coro1a determines the fate of multivesicular bodies and biogenesis of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12153.	5.5	25
732	The Emerging Roles and Therapeutic Potential of Extracellular Vesicles in Infertility. <i>Frontiers in Endocrinology</i> , 2021, 12, 758206.	1.5	6
733	Extracellular Vesicles Regulated by Viruses and Antiviral Strategies. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 722020.	1.8	15
734	Reassessment of the Proteomic Composition and Function of Extracellular Vesicles in the Seminal Plasma. <i>Endocrinology</i> , 2022, 163, .	1.4	12
735	Rolling Circle Amplification-Assisted Flow Cytometry Approach for Simultaneous Profiling of Exosomal Surface Proteins. <i>ACS Sensors</i> , 2021, 6, 3611-3620.	4.0	31
736	Blockade of Exosome Release Suppresses Atrial Fibrillation by Alleviating Atrial Fibrosis in Canines With Prolonged Atrial Pacing. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 699175.	1.1	9
738	Molecular Determinants for RNA Release into Extracellular Vesicles. <i>Cells</i> , 2021, 10, 2674.	1.8	8
739	Extracellular vesicles in cardiovascular disease: Biological functions and therapeutic implications. , 2022, 233, 108025.		50
740	Intercellular transfer of mitochondrial DNA carrying metastasis-enhancing pathogenic mutations from high- to low-metastatic tumor cells and stromal cells via extracellular vesicles. <i>BMC Molecular and Cell Biology</i> , 2021, 22, 52.	1.0	18
741	Exosomal miR-181a-5p reduce <i>Mycoplasma gallisepticum</i> (HS strain) infection in chicken by targeting PPM1B and activating the TLR2-mediated MyD88/NF- κ B signaling pathway. <i>Molecular Immunology</i> , 2021, 140, 144-157.	1.0	17
746	Extracellular RNA in human health and disease. , 2020, , 139-161.		0
752	Extracellular Vesicles and Their Roles in Cancer Progression. <i>Methods in Molecular Biology</i> , 2021, 2174, 143-170.	0.4	82
754	Detection of disease-associated microRNAs â€” application for autism spectrum disorders. <i>Reviews in the Neurosciences</i> , 2020, 31, 757-769.	1.4	4
757	The membrane associated accessory protein is an adeno-associated viral egress factor. <i>Nature Communications</i> , 2021, 12, 6239.	5.8	30
758	Cellâ€™Matrix Interactions Regulate Functional Extracellular Vesicle Secretion from Mesenchymal Stromal Cells. <i>ACS Nano</i> , 2021, 15, 17439-17452.	7.3	20
759	Epithelial-Cell-Derived Extracellular Vesicles in Pathophysiology of Epithelial Injury and Repair in Chronic Rhinosinusitis: Connecting Immunology in Research Lab to Biomarkers in Clinics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11709.	1.8	7
760	RNA and Protein Delivery by Cellâ€™Secreted and Bioengineered Extracellular Vesicles. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101557.	3.9	5

#	ARTICLE	IF	CITATIONS
761	Active cargo loading into extracellular vesicles: Highlights the heterogeneous encapsulation behaviour. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12163.	5.5	53
762	Advances in extracellular vesicles analysis. <i>Advances in Clinical Chemistry</i> , 2020, 97, 73-116.	1.8	7
765	The role of cell free DNA and liquid biopsies in haematological conditions. , 2020, 3, 521-531.		2
766	Buoyant Density Fractionation of Small Extracellular Vesicle Sub-populations Derived from Mammalian Cells. <i>Bio-protocol</i> , 2020, 10, e3706.	0.2	5
771	Effective methods for isolation and purification of extracellular vesicles from plants. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 2020-2030.	4.1	42
772	Biological Roles and Clinical Significance of Exosome-Derived Noncoding RNAs in Bladder Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 704703.	1.3	10
773	Novel Quantification of Extracellular Vesicles with Unaltered Surface Membranes Using an Internalized Oligonucleotide Tracer and Applied Pharmacokinetic Multiple Compartment Modeling. <i>Pharmaceutical Research</i> , 2021, 38, 1677-1695.	1.7	3
774	Hallmarks of Exosomes. <i>Future Science OA</i> , 2022, 8, FSO764.	0.9	14
775	GPI-80 Augments NF- κ B Activation in Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12027.	1.8	8
776	Exosomes: Promising nanocarrier for cancer therapy. <i>Nano Select</i> , 0, , .	1.9	3
777	Platelet extracellular vesicles in COVID-19: Potential markers and makers. <i>Journal of Leukocyte Biology</i> , 2021, 111, 63-74.	1.5	26
778	<i>Dendrobium officinale</i> Polysaccharide Alleviates Intestinal Inflammation by Promoting Small Extracellular Vesicle Packaging of miR-433-3p. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13510-13523.	2.4	21
779	Construction of the amniotic fluid-derived exosomal ceRNA network associated with ventricular septal defect. <i>Genomics</i> , 2021, 113, 4293-4302.	1.3	7
780	Advances in surface plasmon resonance-based biosensor technologies for cancer biomarker detection. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113767.	5.3	72
785	Treatment with adipose-derived regenerative cells enhances ischemia-induced angiogenesis via exosomal microRNA delivery in mice. <i>Nagoya Journal of Medical Science</i> , 2021, 83, 465-476.	0.6	3
786	Circulating Exosome Involves in the Pathogenesis of Autoimmune Thyroid Diseases Through Immunomodulatory Proteins. <i>Frontiers in Immunology</i> , 2021, 12, 730089.	2.2	4
787	The Role of Exosomes in Viral Hepatitis and Its Associated Liver Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 782485.	1.2	5
788	Proteomic dissection of large extracellular vesicle surfaceome unravels interactive surface platform. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12164.	5.5	40

#	ARTICLE	IF	CITATIONS
789	Roles and mechanisms of exosomal non-coding RNAs in human health and diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 383.	7.1	143
790	Molecular Mediators of RNA Loading into Extracellular Vesicles. <i>Cells</i> , 2021, 10, 3355.	1.8	33
791	Behind the scenes of extracellular vesicle therapy for skin injuries and disorders. <i>Advances in Wound Care</i> , 2021, , .	2.6	1
792	The Roles of Exosomes in Immunoregulation and Autoimmune Thyroid Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 757674.	2.2	16
793	Role of Cell-Free DNA and Deoxyribonucleases in Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12246.	1.8	11
794	Progress in Nanomaterials-Based Optical and Electrochemical Methods for the Assays of Exosomes. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7575-7608.	3.3	13
795	Cell-derived extracellular vesicles and membranes for tissue repair. <i>Journal of Nanobiotechnology</i> , 2021, 19, 368.	4.2	10
796	Prospects of Extracellular Vesicles in Otorhinolaryngology, Head and Neck Surgery. <i>Journal of Nanotheranostics</i> , 2021, 2, 208-223.	1.7	1
797	IFN-Gamma and TNF-Alpha as a Priming Strategy to Enhance the Immunomodulatory Capacity of Secretomes from Menstrual Blood-Derived Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12177.	1.8	13
798	Extra-nuclear histones: origin, significance and perspectives. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 507-524.	1.4	12
799	Endocytosis and exocytosis protect cells against severe membrane tension variations. <i>Biophysical Journal</i> , 2021, 120, 5521-5529.	0.2	14
800	Extracellular Vesicles for the Diagnosis of Cancers. <i>Small Structures</i> , 2022, 3, 2100096.	6.9	7
801	Extracellular Vesicles Released by Leishmania: Impact on Disease Development and Immune System Cells. , 0, , .		1
802	Exosomes from dental pulp cells attenuate bone loss in mouse experimental periodontitis. <i>Journal of Periodontal Research</i> , 2022, 57, 162-172.	1.4	18
803	Urinary exosomal vitronectin predicts vesicoureteral reflux in patients with neurogenic bladders and spinal cord injuries. <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 65.	0.8	6
804	Potential of miRNAs in urinary extracellular vesicles for management of active surveillance in prostate cancer patients. <i>British Journal of Cancer</i> , 2022, 126, 492-501.	2.9	14
805	Blood Nanoparticles " Influence on Extracellular Vesicle Isolation and Characterization. <i>Frontiers in Pharmacology</i> , 2021, 12, 773844.	1.6	22
806	Assessment of Surface Glycan Diversity on Extracellular Vesicles by Lectin Microarray and Glycoengineering Strategies for Drug Delivery Applications. <i>Small Methods</i> , 2022, 6, e2100785.	4.6	16

#	ARTICLE	IF	CITATIONS
807	Extracellular Vesicles and Glycosylation. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1325, 137-149.	0.8	6
808	Oxide nanowire microfluidics addressing previously-unattainable analytical methods for biomolecules towards liquid biopsy. <i>Chemical Communications</i> , 2021, 57, 13234-13245.	2.2	10
809	Serum Exosomal mir-340-5p Promotes Angiogenesis in Brain Microvascular Endothelial Cells During Oxygen-Glucose Deprivation. <i>Neurochemical Research</i> , 2022, 47, 907-920.	1.6	9
810	Bone mesenchymal stem cell-derived exosomal microRNA-7-5p inhibits progression of acute myeloid leukemia by targeting OSBPL11. <i>Journal of Nanobiotechnology</i> , 2022, 20, 29.	4.2	28
811	Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. <i>Gut</i> , 2022, 71, 2043-2068.	6.1	53
812	Radioiodination of extravesicular surface constituents to study the biocorona, cell trafficking and storage stability of extracellular vesicles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130069.	1.1	16
813	Glioma-targeted delivery of exosome-encapsulated antisense oligonucleotides using neural stem cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 611-620.	2.3	33
815	Cancer diagnosis and analysis devices based on multimolecular crowding. <i>Chemical Communications</i> , 2021, 57, 13655-13661.	2.2	1
816	Emerging Role of Exosomal Long Non-coding RNAs in Spaceflight-Associated Risks in Astronauts. <i>Frontiers in Genetics</i> , 2021, 12, 812188.	1.1	7
817	Tissue differences in the exosomal/small extracellular vesicle proteome and their potential as indicators of altered tissue metabolism. <i>Cell Reports</i> , 2022, 38, 110277.	2.9	51
818	Stem cells in intervertebral disc regeneration—more talk than action?. <i>Biocell</i> , 2022, 46, 893-898.	0.4	2
819	Roles of pulmonary telocytes in airway epithelia to benefit experimental acute lung injury through production of telocyte-driven mediators and exosomes. <i>Cell Biology and Toxicology</i> , 2023, 39, 451-465.	2.4	10
820	Emerging Advances of Detection Strategies for Tumor-Derived Exosomes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 868.	1.8	16
821	Recent progress of macrophage vesicle-based drug delivery systems. <i>Drug Delivery and Translational Research</i> , 2022, 12, 2287-2302.	3.0	11
822	Exploration of Extracellular Vesicle miRNAs, Targeted mRNAs and Pathways in Prostate Cancer: Relation to Disease Status and Progression. <i>Cancers</i> , 2022, 14, 532.	1.7	7
823	In Vitro and In Vivo Analysis of Extracellular Vesicle-Mediated Metastasis Using a Bright, Red-Shifted Bioluminescent Reporter Protein. <i>Genetics & Genomics Next</i> , 2022, 3, .	0.8	7
824	Tumor-Derived Exosomes in Tumor-Induced Immune Suppression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1461.	1.8	28
825	The application of mesenchymal stromal cells (MSCs) and their derivative exosome in skin wound healing: a comprehensive review. <i>Stem Cell Research and Therapy</i> , 2022, 13, 24.	2.4	99

#	ARTICLE	IF	CITATIONS
826	Induction of m6A methylation in adipocyte exosomal lncRNAs mediates myeloma drug resistance. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 4.	3.5	52
827	The Mechanism Underlying the Regulation of Long Non-coding RNA MEG3 in Cerebral Ischemic Stroke. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 69-78.	1.7	4
828	Mesenchymal stromal cell-based therapy for cartilage regeneration in knee osteoarthritis. <i>Stem Cell Research and Therapy</i> , 2022, 13, 14.	2.4	54
829	Immunomodulatory and antiinflammatory mechanisms of probiotics. , 2022, , 321-341.		1
831	The impact of storage on extracellular vesicles: A systematic study. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12162.	5.5	88
832	Differential release of extracellular vesicle tRNA from oxidative stressed renal cells and ischemic kidneys. <i>Scientific Reports</i> , 2022, 12, 1646.	1.6	3
833	Integrated Pipeline of Rapid Isolation and Analysis of Human Plasma Exosomes for Cancer Discrimination Based on Deep Learning of MALDI-TOF MS Fingerprints. <i>Analytical Chemistry</i> , 2022, 94, 1831-1839.	3.2	18
834	Exosomes in cancer immunoediting and immunotherapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2022, 17, 193-205.	4.3	21
835	Antigen Discovery in Circulating Extracellular Vesicles From Plasmodium vivax Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 811390.	1.8	9
836	The role of exosomes in intercellular and interorgan communication of the peripheral nervous system. <i>FEBS Letters</i> , 2022, 596, 655-664.	1.3	21
837	Brain Tissue-Derived Extracellular Vesicle Mediated Therapy in the Neonatal Ischemic Brain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 620.	1.8	6
838	Confocal microscopy analysis reveals that only a small proportion of extracellular vesicles are successfully labelled with commonly utilised staining methods. <i>Scientific Reports</i> , 2022, 12, 262.	1.6	10
839	Exosomes in the hypoxic TME: from release, uptake and biofunctions to clinical applications. <i>Molecular Cancer</i> , 2022, 21, 19.	7.9	63
840	Tumor-derived extracellular vesicles as messengers of natural products in cancer treatment. <i>Theranostics</i> , 2022, 12, 1683-1714.	4.6	26
841	Transfer RNA-Derived Small RNAs in the Pathogenesis of Parasitic Protozoa. <i>Genes</i> , 2022, 13, 286.	1.0	7
842	Nucleic Acid Substrate-Independent DNA Polymerization on the Exosome Membrane: A Mechanism Study and Application in Exosome Analysis. <i>Analytical Chemistry</i> , 2022, 94, 2172-2179.	3.2	8
843	Exosomal Proteins and Lipids as Potential Biomarkers for Lung Cancer Diagnosis, Prognosis, and Treatment. <i>Cancers</i> , 2022, 14, 732.	1.7	35
844	Mesenchymal Stem-Cell Derived Exosome Therapy as a Potential Future Approach for Treatment of Male Infertility Caused by Chlamydia Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 785622.	1.5	6

#	ARTICLE	IF	CITATIONS
845	miR-204â€‘containing exosomes ameliorate GVHD-associated dry eye disease. <i>Science Advances</i> , 2022, 8, eabj9617.	4.7	52
846	Heparanase-1 is upregulated by hepatitis C virus and favors its replication. <i>Journal of Hepatology</i> , 2022, 77, 29-41.	1.8	6
847	The therapeutic potential of immune cell-derived exosomes as an alternative to adoptive cell transfer. <i>BMB Reports</i> , 2022, 55, 39-47.	1.1	15
848	Dynamic biological interfaces functionalized fructose-responsive immunomagnetic beads for high-efficient and high-purity exosome enrichment. <i>Materials and Design</i> , 2022, 213, 110366.	3.3	2
849	Glutathione-functionalized magnetic thioether-COFs for the simultaneous capture of urinary exosomes and enrichment of exosomal glycosylated and phosphorylated peptides. <i>Nanoscale</i> , 2022, 14, 853-864.	2.8	29
850	Circulating ACE2-expressing extracellular vesicles block broad strains of SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 405.	5.8	92
851	Exosome-mediated delivery of RBP-J decoy oligodeoxynucleotides ameliorates hepatic fibrosis in mice. <i>Theranostics</i> , 2022, 12, 1816-1828.	4.6	18
852	Therapeutic exosomal vaccine for enhanced cancer immunotherapy by mediating tumor microenvironment. <i>IScience</i> , 2022, 25, 103639.	1.9	17
853	Lipoprotein(a) Induces Vesicular Cardiovascular Calcification Revealed With Single-Extracellular Vesicle Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 778919.	1.1	12
854	Extracellular vesicles containing PD-L1 contribute to CD8+ T-cell immune suppression and predict poor outcomes in small cell lung cancer. <i>Clinical and Experimental Immunology</i> , 2022, 207, 307-317.	1.1	21
855	Hierarchical magnetic nanoparticles for highly effective capture of small extracellular vesicles. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 408-416.	5.0	6
856	Extracellular vesicles and exosome: insight from physiological regulatory perspectives. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 573-580.	1.3	17
857	Sialyl-Tn antigen facilitates extracellular vesicle-mediated transfer of FAK and enhances motility of recipient cells. <i>Journal of Biochemistry</i> , 2022, 171, 543-554.	0.9	1
858	Kâ€‘29 linked ubiquitination of Arrdc4 regulates its function in extracellular vesicle biogenesis. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12188.	5.5	8
859	Engineering dual-responsive, exosome-surface anchored DNA nanosensor for microenvironment monitoring in vivo. <i>Chemical Communications</i> , 2022, , .	2.2	4
860	Arabidopsis apoplastic fluid contains sRNA- and circular RNAâ€‘protein complexes that are located outside extracellular vesicles. <i>Plant Cell</i> , 2022, 34, 1863-1881.	3.1	67
861	Overview of liquid biopsy. , 2022, , 5-30.		0
862	Stimulatory Effects of Extracellular Vesicles Derived from <i>Leuconostoc holzapfelii</i> That Exists in Human Scalp on Hair Growth in Human Follicle Dermal Papilla Cells. <i>Current Issues in Molecular Biology</i> , 2022, 44, 845-866.	1.0	6

#	ARTICLE	IF	CITATIONS
863	Syntenin-1-mediated small extracellular vesicles promotes cell growth, migration, and angiogenesis by increasing onco-miRNAs secretion in lung cancer cells. <i>Cell Death and Disease</i> , 2022, 13, 122.	2.7	18
864	Functional Analysis and Proteomics Profiling of Extracellular Vesicles From Swine Plasma Infected by African Swine Fever Virus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 809135.	1.8	0
865	Exosomes as Natural Nanocarriers for RNA-Based Therapy and Prophylaxis. <i>Nanomaterials</i> , 2022, 12, 524.	1.9	17
866	Advances in Mesenchymal Stem Cell-Derived Exosomes as Drug Delivery Vehicles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 797359.	2.0	30
867	Exosomal miR-673-5p from fibroblasts promotes Schwann cell-mediated peripheral neuron myelination by targeting the TSC2/mTORC1/SREBP2 axis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101718.	1.6	10
868	Transcriptome analysis of cervical cancer exosomes and detection of HPV E6* I transcripts in exosomal RNA. <i>BMC Cancer</i> , 2022, 22, 164.	1.1	10
869	The effects of extracellular vesicles derived from KrÄppel-Like Factor 2 overexpressing endothelial cells on the regulation of cardiac inflammation in the dilated cardiomyopathy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 76.	4.2	7
870	A simple immunoassay for extracellular vesicle liquid biopsy in microliters of non-processed plasma. <i>Journal of Nanobiotechnology</i> , 2022, 20, 72.	4.2	6
871	Exosomal ribosomal proteins driven heterogeneity of epicardial adipose tissue derived stem cells under ischemia for cardiac regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 396-408.	1.3	7
872	Extracellular vesicles facilitate large-scale dynamic exchange of proteins and RNA among cultured Chinese hamster ovary and human cells. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1222-1238.	1.7	18
873	Therapy-induced modulation of extracellular vesicles in hepatocellular carcinoma. <i>Seminars in Cancer Biology</i> , 2022, 86, 1088-1101.	4.3	3
874	A brief history of nearly EV everything The rise and rise of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12144.	5.5	150
875	Tissue-derived extracellular vesicles in cancers and non-cancer diseases: Present and future. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12175.	5.5	76
876	Supermeres are functional extracellular nanoparticles replete with disease biomarkers and therapeutic targets. <i>Nature Cell Biology</i> , 2021, 23, 1240-1254.	4.6	171
877	MicroRNA sequence codes for small extracellular vesicle release and cellular retention. <i>Nature</i> , 2022, 601, 446-451.	13.7	300
879	Exosomes for diabetes syndrome: ongoing applications and perspective. <i>Biomaterials Science</i> , 2022, 10, 2154-2171.	2.6	5
880	Update on the role of extracellular vesicles in rheumatoid arthritis. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, e12.	1.6	14
881	Circulating tumour DNA: a challenging innovation to develop precision onco-surgery in pancreatic adenocarcinoma. <i>British Journal of Cancer</i> , 2022, 126, 1676-1683.	2.9	8

#	ARTICLE	IF	CITATIONS
882	Approaches to incorporate extracellular vesicles into exposure science, toxicology, and public health research. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 647-659.	1.8	7
883	Is Tissue Still the Issue? The Promise of Liquid Biopsy in Uveal Melanoma. <i>Biomedicines</i> , 2022, 10, 506.	1.4	12
884	Roles and Clinical Application of Exosomes in Prostate Cancer. <i>Frontiers in Urology</i> , 2022, 2, .	0.2	3
885	High-Resolution Separation of Nanoparticles Using a Negative Magnetophoretic Microfluidic System. <i>Micromachines</i> , 2022, 13, 377.	1.4	8
886	Exosomes as a new frontier of cancer liquid biopsy. <i>Molecular Cancer</i> , 2022, 21, 56.	7.9	249
887	A Dual-Reporter Platform for Screening Tumor-Targeted Extracellular Vesicles. <i>Pharmaceutics</i> , 2022, 14, 475.	2.0	5
888	Extracellular vesicles and immune response during pregnancy: A balancing act*. <i>Immunological Reviews</i> , 2022, 308, 105-122.	2.8	13
889	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Immunomodulatory Effects and Potential Applications in Intervertebral Disc Degeneration. <i>Stem Cells International</i> , 2022, 2022, 1-13.	1.2	11
890	Platelet-Released Factors: Their Role in Viral Disease and Applications for Extracellular Vesicle (EV) Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2321.	1.8	3
891	Multiplexed targeting of microRNA in stem cell-derived extracellular vesicles for regenerative medicine. <i>BMB Reports</i> , 2022, 55, 65-71.	1.1	2
892	Recent Progress of Exosome Isolation and Peptide Recognition-Guided Strategies for Exosome Research. <i>Frontiers in Chemistry</i> , 2022, 10, 844124.	1.8	23
893	Chloroquine treatment induces secretion of autophagy-related proteins and inclusion of Atg8-family proteins in distinct extracellular vesicle populations. <i>Autophagy</i> , 2022, 18, 2547-2560.	4.3	18
894	BRAFV600E Induction in Thyrocytes Triggers Important Changes in the miRNAs Content and the Populations of Extracellular Vesicles Released in Thyroid Tumor Microenvironment. <i>Biomedicines</i> , 2022, 10, 755.	1.4	4
895	Exosomes as Carriers for Drug Delivery in Cancer Therapy. <i>Pharmaceutical Research</i> , 2023, 40, 873-887.	1.7	16
896	Myeloid Responses to Extracellular Vesicles in Health and Disease. <i>Frontiers in Immunology</i> , 2022, 13, 818538.	2.2	2
897	The Therapeutic Potential of Exosomes in Soft Tissue Repair and Regeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3869.	1.8	17
898	Dynamically Bioresponsive DNA Hydrogel Incorporated with Dual-Functional Stem Cells from Apical Papilla-Derived Exosomes Promotes Diabetic Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16082-16099.	4.0	39
899	Cilia-derived vesicles: An ancient route for intercellular communication. <i>Seminars in Cell and Developmental Biology</i> , 2022, 129, 82-92.	2.3	13

#	ARTICLE	IF	CITATIONS
900	Cells choose their words wisely. <i>Cell</i> , 2022, 185, 1114-1116.	13.5	4
901	Increased BMSC exosomal miR-140-3p alleviates bone degradation and promotes bone restoration by targeting Plxn1 in diabetic rats. <i>Journal of Nanobiotechnology</i> , 2022, 20, 97.	4.2	29
902	DNA Nanowire Guided-Catalyzed Hairpin Assembly Nanoprobe for <i>In Situ</i> Profiling of Circulating Extracellular Vesicle-Associated MicroRNAs. <i>ACS Sensors</i> , 2022, 7, 1075-1085.	4.0	20
903	Platelet-derived microvesicles regulate vascular smooth muscle cell energy metabolism via PRKAA after intimal injury. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	3
904	Engineering stem cells to produce exosomes with enhanced bone regeneration effects: an alternative strategy for gene therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 135.	4.2	32
905	The Neurotoxicity of Vesicles Secreted by ALS Patient Myotubes Is Specific to Exosome-Like and Not Larger Subtypes. <i>Cells</i> , 2022, 11, 845.	1.8	6
906	The role of microvesicles as biomarkers in the screening of colorectal neoplasm. <i>Cancer Medicine</i> , 2022, , .	1.3	2
907	Extracellular Vesicles: Interplay with the Extracellular Matrix and Modulated Cell Responses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3389.	1.8	34
908	Recruitment of DNA to tumor-derived microvesicles. <i>Cell Reports</i> , 2022, 38, 110443.	2.9	18
909	Extracellular Vesicles from Uterine Aspirates Represent a Promising Source for Screening Markers of Gynecologic Cancers. <i>Cells</i> , 2022, 11, 1064.	1.8	7
910	LINE-1 Cargo and Reverse Transcriptase Activity Profiles in Extracellular Vesicles from Lung Cancer Cells and Human Plasma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3461.	1.8	4
911	miRNA-122-5p in POI ovarian-derived exosomes promotes granulosa cell apoptosis by regulating BCL9. <i>Cancer Medicine</i> , 2022, 11, 2414-2426.	1.3	20
912	Icaritin ameliorates extracellular microparticles-induced inflammatory pre-metastatic niche via modulating the cGAS-STING signaling. <i>Phytotherapy Research</i> , 2022, , .	2.8	4
913	Cellular Chitchatting: Exploring the Role of Exosomes as Cardiovascular Risk Factors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 860005.	1.8	0
914	Distinguishing functional exosomes and other extracellular vesicles as a nucleic acid cargo by the anion-exchange method. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12205.	5.5	29
915	Extracellular Vesicles in Type 1 Diabetes: A Versatile Tool. <i>Bioengineering</i> , 2022, 9, 105.	1.6	12
916	Challenges and directions in studying cell-cell communication by extracellular vesicles. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 369-382.	16.1	365
918	Unraveling the complexity of the extracellular vesicle landscape with advanced proteomics. <i>Expert Review of Proteomics</i> , 2022, 19, 89-101.	1.3	9

#	ARTICLE	IF	CITATIONS
919	Autophagy and Exosome Coordinately Enhance Macrophage M1 Polarization and Recruitment in Influenza A Virus Infection. <i>Frontiers in Immunology</i> , 2022, 13, 722053.	2.2	8
920	Therapeutically harnessing extracellular vesicles. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 379-399.	21.5	263
921	Emerging Potential of Exosomal Non-coding RNA in Parkinson's Disease: A Review. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 819836.	1.7	10
922	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. <i>Cardiovascular Research</i> , 2023, 119, 45-63.	1.8	44
923	Delivery of Stem Cell Secretome for Therapeutic Applications. <i>ACS Applied Bio Materials</i> , 2022, 5, 2009-2030.	2.3	11
924	An emerging role of radiation-induced exosomes in hepatocellular carcinoma progression and radioresistance (Review). <i>International Journal of Oncology</i> , 2022, 60, .	1.4	7
925	Subgroups of Extracellular Vesicles: Can They Be Defined by "Labels"? <i>DNA and Cell Biology</i> , 2022, 41, 249-256.	0.9	4
926	Exosomal miR-543 Inhibits the Proliferation of Ovarian Cancer by Targeting IGF2. <i>Journal of Immunology Research</i> , 2022, 2022, 1-18.	0.9	1
927	Caspases help to spread the message via extracellular vesicles. <i>FEBS Journal</i> , 2023, 290, 1954-1972.	2.2	6
928	Nanomechanical characterization of exosomes and concomitant nanoparticles from blood plasma by PeakForce AFM in liquid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130139.	1.1	10
929	Analysis of extracellular vesicle DNA at the single-vesicle level by nano-flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12206.	5.5	55
931	Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations. <i>Neurophotonics</i> , 2022, 9, 021903.	1.7	19
932	Assessment of extracellular vesicle isolation methods from human stool supernatant. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12208.	5.5	14
933	GFP-tagging of extracellular vesicles for rapid process development. <i>Biotechnology Journal</i> , 2022, 17, e2100583.	1.8	3
934	Exosomal miRNA-181a-5p from the cells of the hair follicle dermal papilla promotes the hair follicle growth and development via the Wnt/ β -catenin signaling pathway. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 110-120.	3.6	24
935	TNF- α stimulation enhances the neuroprotective effects of gingival MSCs derived exosomes in retinal ischemia-reperfusion injury via the MEG3/miR-21a-5p axis. <i>Biomaterials</i> , 2022, 284, 121484.	5.7	47
936	Small extracellular vesicles from plasma of women with preeclampsia increase myogenic tone and decrease endothelium-dependent relaxation of mouse mesenteric arteries. <i>Pregnancy Hypertension</i> , 2022, 28, 66-73.	0.6	4
937	Exosomes derived from differentiated human ADMSC with the Schwann cell phenotype modulate peripheral nerve-related cellular functions. <i>Bioactive Materials</i> , 2022, 14, 61-75.	8.6	26

#	ARTICLE	IF	CITATIONS
938	GAPDH controls extracellular vesicle biogenesis and enhances the therapeutic potential of EV mediated siRNA delivery to the brain. <i>Nature Communications</i> , 2021, 12, 6666.	5.8	42
939	The Role of Mesenchymal Stromal Cells-Derived Small Extracellular Vesicles in Diabetes and Its Chronic Complications. <i>Frontiers in Endocrinology</i> , 2021, 12, 780974.	1.5	12
940	The Aquatic Invertebrate <i>Hydra vulgaris</i> Releases Molecular Messages Through Extracellular Vesicles. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 788117.	1.8	6
942	Quantification and Phenotypic Characterization of Extracellular Vesicles from Patients with Acute Myeloid and B-Cell Lymphoblastic Leukemia. <i>Cancers</i> , 2022, 14, 56.	1.7	2
943	Cervical cancer-derived exosomal miR-663b promotes angiogenesis by inhibiting vinculin expression in vascular endothelial cells. <i>Cancer Cell International</i> , 2021, 21, 684.	1.8	17
944	Profiling and promise of supermeres. <i>Nature Cell Biology</i> , 2021, 23, 1217-1219.	4.6	18
945	Hedgehog-inspired magnetic nanoparticles for effectively capturing and detecting exosomes. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	10
946	Exosomes originating from infection with the cytoplasmic single-stranded RNA virus Rift Valley fever virus (RVFV) protect recipient cells by inducing RIG-I mediated IFN- β response that leads to activation of autophagy. <i>Cell and Bioscience</i> , 2021, 11, 220.	2.1	10
947	A comprehensive study to delineate the role of an extracellular vesicle-associated microRNA-29a in chronic methamphetamine use disorder. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12177.	5.5	22
948	Basic structure and cytocompatibility of giant membrane vesicles derived from paraformaldehyde-exposed human cells. <i>Journal of Biochemistry</i> , 2022, 171, 339-347.	0.9	0
949	MSCs and their exosomes: a rapidly evolving approach in the context of cutaneous wounds therapy. <i>Stem Cell Research and Therapy</i> , 2021, 12, 597.	2.4	27
950	Potential Applications and Functional Roles of Exosomes in Cardiometabolic Disease. <i>Pharmaceutics</i> , 2021, 13, 2056.	2.0	4
951	Milk-derived exosomes exhibit versatile effects for improved oral drug delivery. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2029-2042.	5.7	35
953	Extracellular vesicles from triple negative breast cancer promote pro-inflammatory macrophages associated with better clinical outcome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2107394119.	3.3	39
954	VAP-A and its binding partner CERT drive biogenesis of RNA-containing extracellular vesicles at ER membrane contact sites. <i>Developmental Cell</i> , 2022, 57, 974-994.e8.	3.1	49
955	Recent advances in optical label-free characterization of extracellular vesicles. <i>Nanophotonics</i> , 2022, 11, 2827-2863.	2.9	9
956	Paper-Based Devices for Capturing Exosomes and Exosomal Nucleic Acids From Biological Samples. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 836082.	2.0	7
957	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement. <i>Endocrine Reviews</i> , 2022, 43, 441-468.	8.9	40

#	ARTICLE	IF	CITATIONS
1023	Anti-Tumoral Effect and Action Mechanism of Exosomes Derived From <i>Toxoplasma gondii</i> -Infected Dendritic Cells in Mice Colorectal Cancer. <i>Frontiers in Oncology</i> , 2022, 12, .	1.3	4
1024	Unconventional Pathways of Protein Secretion: Mammals vs. Plants. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 895853.	1.8	10
1025	Anti-Viral Activities of Umbilical Cord Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Against Human Respiratory Viruses. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 850744.	1.8	10
1026	Differential Effects of APOE Genotype on MicroRNA Cargo of Cerebrospinal Fluid Extracellular Vesicles in Females With Alzheimer's Disease Compared to Males. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 864022.	1.8	15
1027	Mesenchymal stem cell-derived exosomes loaded with 5-Fu against cholangiocarcinoma <i>in vitro</i> . <i>Molecular Medicine Reports</i> , 2022, 25, .	1.1	7
1028	miR-150-5p and let-7b-5p in Blood Myeloid Extracellular Vesicles Track Cognitive Symptoms in Patients with Multiple Sclerosis. <i>Cells</i> , 2022, 11, 1551.	1.8	8
1029	Comparison of separation methods for immunomodulatory extracellular vesicles from helminths. , 2022, 1, .		9
1030	Liver cancer cells with nuclear MET overexpression release translation regulatory protein-enriched extracellular vesicles exhibit metastasis promoting activity. , 2022, 1, .		0
1031	Urinary extracellular vesicles contain mature transcriptome enriched in circular and long noncoding RNAs with functional significance in prostate cancer. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12210.	5.5	14
1032	Profilin 1 Induces Tumor Metastasis by Promoting Microvesicle Secretion Through the ROCK 1/p-MLC Pathway in Non-Small Cell Lung Cancer. <i>Frontiers in Pharmacology</i> , 2022, 13, 890891.	1.6	4
1033	Unpacking extracellular vesicles: RNA cargo loading and function. , 2022, 1, .		28
1034	Immune cells-derived exosomes function as a double-edged sword: role in disease progression and their therapeutic applications. <i>Biomarker Research</i> , 2022, 10, 30.	2.8	42
1035	Conventional and Nonconventional Sources of Exosomes—Isolation Methods and Influence on Their Downstream Biomedical Application. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 846650.	1.6	19
1036	Unpacking the Role of Extracellular Vesicles in Ischemic and Hemorrhagic Stroke: Pathophysiology and Therapeutic Implications. <i>Translational Stroke Research</i> , 2023, 14, 146-159.	2.3	5
1037	Annexin A protein family in atherosclerosis. <i>Clinica Chimica Acta</i> , 2022, 531, 406-417.	0.5	13
1038	An Emerging Frontier in Intercellular Communication: Extracellular Vesicles in Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	12
1039	Ethanol Induces Secretion of Proinflammatory Extracellular Vesicles That Inhibit Adult Hippocampal Neurogenesis Through G9a/GLP-Epigenetic Signaling. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	7
1040	The Potential Role of Gut Microbial-Derived Exosomes in Metabolic-Associated Fatty Liver Disease: Implications for Treatment. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	7

#	ARTICLE	IF	CITATIONS
1041	ACE2-enriched extracellular vesicles enhance infectivity of live SARS-CoV-2 virus. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12231.	5.5	14
1042	Isolation of circulating exosomes and identification of exosomal PD-L1 for predicting immunotherapy response. <i>Nanoscale</i> , 2022, 14, 8995-9003.	2.8	14
1043	Overview and Update on Extracellular Vesicles: Considerations on Exosomes and Their Application in Modern Medicine. <i>Biology</i> , 2022, 11, 804.	1.3	36
1044	Mechanistic Pathogenesis of Endothelial Dysfunction in Diabetic Nephropathy and Retinopathy. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	47
1045	Mesenchymal stem cell-derived exosomes: A novel and potential remedy for cutaneous wound healing and regeneration. <i>World Journal of Stem Cells</i> , 2022, 14, 318-329.	1.3	19
1047	Complexities of JC Polyomavirus Receptor-Dependent and -Independent Mechanisms of Infection. <i>Viruses</i> , 2022, 14, 1130.	1.5	7
1048	Extracellular vesicles from lung tissue drive bone marrow neutrophil recruitment in inflammation. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	18
1049	Extracellular vesicles: from bench to bedside. , 2022, 1, .		3
1051	Evaluation of miRNA-21-5p and miRNA-10b-5p levels in serum-derived exosomes of breast cancer patients in different grades. <i>Molecular and Cellular Probes</i> , 2022, 64, 101831.	0.9	12
1052	Living Cell Nanoporation and Exosomal RNA Analysis Platform for Real-Time Assessment of Cellular Therapies. <i>Journal of the American Chemical Society</i> , 2022, 144, 9443-9450.	6.6	9
1053	Advances in engineered exosomes towards cancer diagnosis and therapeutics. <i>Progress in Biomedical Engineering</i> , 2022, 4, 032002.	2.8	3
1054	Exosome Carrier Effects; Resistance to Digestion in Phagolysosomes May Assist Transfers to Targeted Cells; II Transfers of miRNAs Are Better Analyzed via Systems Approach as They Do Not Fit Conventional Reductionist Stoichiometric Concepts. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6192.	1.8	5
1055	Hydrogels for Exosome Delivery in Biomedical Applications. <i>Gels</i> , 2022, 8, 328.	2.1	28
1056	Extracellular Vesicles: Recent Insights Into the Interaction Between Host and Pathogenic Bacteria. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
1057	Rab39 and its effector UACA regulate basolateral exosome release from polarized epithelial cells. <i>Cell Reports</i> , 2022, 39, 110875.	2.9	17
1059	Chick cranial neural crest cells release extracellular vesicles that are critical for their migration. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	11
1060	A Comparison of Blood Plasma Small Extracellular Vesicle Enrichment Strategies for Proteomic Analysis. <i>Proteomes</i> , 2022, 10, 19.	1.7	13
1061	Exomeres and supermeres: Monolithic or diverse?. , 2022, 1, .		19

#	ARTICLE	IF	CITATIONS
1062	Reporter Systems for Assessments of Extracellular Vesicle Transfer. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	5
1063	Extracellular Vesicles as Drivers of Immunoinflammation in Atherothrombosis. <i>Cells</i> , 2022, 11, 1845.	1.8	16
1064	Roles of Exosome Genomic DNA in Colorectal Cancer. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	8
1065	Membrane translocation of folded proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102107.	1.6	3
1066	The Roles of Exosomal microRNAs in Diffuse Large B-Cell Lymphoma: Diagnosis, Prognosis, Clinical Application, and Biomolecular Mechanisms. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1
1067	The potential role of extracellular vesicles in bioactive compound-based therapy: A review of recent developments. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10959-10973.	5.4	3
1068	Are supermeres a distinct nanoparticle?. , 2022, 1, .		5
1069	Extracellular Vesicles in Cardiovascular Diseases: Diagnosis and Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	10
1070	Exosome secretion from hypoxic cancer cells reshapes the tumor microenvironment and mediates drug resistance. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2022, 5, 577-94.	0.9	7
1071	Blood Cell-Derived Microvesicles in Hematological Diseases and beyond. <i>Biomolecules</i> , 2022, 12, 803.	1.8	14
1072	Engineering extracellular vesicles by three-dimensional dynamic culture of human mesenchymal stem cells. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	45
1073	Role of SNAREs in Unconventional Secretion—Focus on the VAMP7-Dependent Secretion. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	21
1074	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, .	5.5	14
1075	T-cell trans-synaptic vesicles are distinct and carry greater effector content than constitutive extracellular vesicles. <i>Nature Communications</i> , 2022, 13, .	5.8	18
1076	Recent Advances on the Function and Purification of Milk Exosomes: A Review. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	8
1077	Extracellular vesicles in cancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 86, 296-309.	4.3	23
1079	Phase 2 of extracellular RNA communication consortium charts next-generation approaches for extracellular RNA research. <i>IScience</i> , 2022, 25, 104653.	1.9	12
1080	Identification of Serum Exosome-Derived circRNA-miRNA-TF-mRNA Regulatory Network in Postmenopausal Osteoporosis Using Bioinformatics Analysis and Validation in Peripheral Blood-Derived Mononuclear Cells. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5

#	ARTICLE	IF	CITATIONS
1081	Ascorbate peroxidase-mediated in situ labelling of proteins in secreted exosomes. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	6
1082	Fluid phase biomarkers in multiple sclerosis. <i>Current Opinion in Neurology</i> , 2022, 35, 286-292.	1.8	6
1083	Comparison of serum and plasma as a source of blood extracellular vesicles: Increased levels of platelet-derived particles in serum extracellular vesicle fractions alter content profiles from plasma extracellular vesicle fractions. <i>PLoS ONE</i> , 2022, 17, e0270634.	1.1	21
1084	DNA Containing Cyclobutane Pyrimidine Dimers Is Released from UVB-Irradiated Keratinocytes in a Caspase-Dependent Manner. <i>Journal of Investigative Dermatology</i> , 2022, 142, 3062-3070.e3.	0.3	6
1085	Recent Advances in the Study of Extracellular Vesicles in Colorectal Cancer. <i>Gastroenterology</i> , 2022, 163, 1188-1197.	0.6	10
1086	Low-Stiffness Hydrogels Promote Peripheral Nerve Regeneration Through the Rapid Release of Exosomes. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	11
1087	The Role of Extracellular Vesicles in Melanoma Progression. <i>Cancers</i> , 2022, 14, 3086.	1.7	15
1088	Potentiality of Exosomal Proteins as Novel Cancer Biomarkers for Liquid Biopsy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	26
1089	Principles and Problems of Exosome Isolation from Biological Fluids. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2022, 16, 115-126.	0.3	16
1090	Mesenchymal Stem Cell Exosomes Encapsulated Oral Microcapsules for Acute Colitis Treatment. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	15
1091	Astronauts Plasma-Derived Exosomes Induced Aberrant EZH2-Mediated H3K27me3 Epigenetic Regulation of the Vitamin D Receptor. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	0
1092	Recent progresses in exosome-based systems for targeted drug delivery to the brain. <i>Journal of Controlled Release</i> , 2022, 348, 723-744.	4.8	45
1093	Exosome-mediated remodeling of the tumor microenvironment: From local to distant intercellular communication. <i>Cancer Letters</i> , 2022, 543, 215796.	3.2	31
1094	ATP citrate lyase links increases in glycolysis to diminished release of vesicular suppressor of cytokine signaling 3 by alveolar macrophages. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166458.	1.8	2
1095	All-in-One Nanowire Assay System for Extracellular Vesicle Capture and Analysis from Ex Vivo Brain Tumor Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1096	Liquid Biopsies: Flowing Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 341-368.	0.8	1
1097	The Influence of Proteins on Fate and Biological Role of Circulating DNA. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7224.	1.8	4
1098	Proteomic analysis of MSC-derived apoptotic vesicles identifies Fas inheritance to ameliorate haemophilia a via activating platelet functions. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	28

#	ARTICLE	IF	CITATIONS
1099	Homosalate boosts the release of tumourâ€derived extracellular vesicles with protection against anchorageâ€loss property. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	6
1100	BK Polyomavirus bkv-miR-B1-5p: A Stable Micro-RNA to Monitor Active Viral Replication after Kidney Transplantation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7240.	1.8	8
1101	Macrophage-Derived Small Extracellular Vesicles in Multiple Diseases: Biogenesis, Function, and Therapeutic Applications. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
1102	Small extracellular vesicles derived from hypoxic mesenchymal stem cells promote vascularized bone regeneration through the miR-210-3p/EFNA3/PI3K pathway. <i>Acta Biomaterialia</i> , 2022, 150, 413-426.	4.1	38
1103	Mesenchymal stem cell-derived extracellular vesicles for immunomodulation and regeneration: a next generation therapeutic tool?. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	114
1104	CD14 and CD26 from serum exosomes are associated with type 2 diabetes, exosomal Cystatin C and CD14 are associated with metabolic syndrome and atherogenic index of plasma. <i>PeerJ</i> , 0, 10, e13656.	0.9	4
1105	Sensing gastric cancer exosomes with MoS2-based SERS aptasensor. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114553.	5.3	29
1106	Construction of a miRNA-mRNA Network Related to Exosomes in Colon Cancer. <i>Disease Markers</i> , 2022, 2022, 1-16.	0.6	1
1107	The Role of Platelet-Derived Extracellular Vesicles in Immune-Mediated Thrombosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7837.	1.8	9
1108	Secretion of the disulphide bond generating catalyst QSOX1 from pancreatic tumour cells into the extracellular matrix: Association with extracellular vesicles and matrix proteins. , 2022, 1, .		7
1109	Urinary extracellular vesicle as a potential biomarker of exercise-induced fatigue in young adult males. <i>European Journal of Applied Physiology</i> , 2022, 122, 2175-2188.	1.2	3
1110	Oral Cancer Cells Release Vesicles that Cause Pain. <i>Advanced Biology</i> , 2022, 6, .	1.4	5
1111	MiRNA 24-3p-rich exosomes functionalized DEGMA-modified hyaluronic acid hydrogels for corneal epithelial healing. <i>Bioactive Materials</i> , 2023, 25, 640-656.	8.6	9
1112	Extracellular vesicles and lipoproteins â€ Smart messengers of blood cells in the circulation. , 2022, 1, .		6
1113	Circulating extracellular vesicles provide valuable protein, but not DNA, biomarkers in metastatic breast cancer. , 2022, 1, .		0
1114	Highly sensitive fluorescent detection of EDIL3 overexpressed exosomes for the diagnosis of triple-negative breast cancer. <i>Nanotechnology</i> , 2022, 33, 425204.	1.3	1
1115	RanGTPase links nucleo-cytoplasmic transport to the recruitment of cargoes into small extracellular vesicles. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	2
1116	Role of exosomes in bone and joint disease metabolism, diagnosis, and therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 176, 106262.	1.9	5

#	ARTICLE	IF	CITATIONS
1117	Circulating cell-free DNA and its clinical utility in cancer. <i>Laboratoriums Medizin</i> , 2022, 46, 265-272.	0.1	2
1118	Isolation and Characterization of Extracellular Vesicles from Gastric Juice. <i>Cancers</i> , 2022, 14, 3314.	1.7	5
1119	Extracellular vesicles from thyroid cancer harbor a functional machinery involved in extracellular matrix remodeling. <i>European Journal of Cell Biology</i> , 2022, 101, 151254.	1.6	3
1120	The proteome profiling of EVs originating from senescent cell model using quantitative proteomics and parallel reaction monitoring. <i>Journal of Proteomics</i> , 2022, 266, 104669.	1.2	0
1121	Circulating Tumor DNA as a Cancer Biomarker: An Overview of Biological Features and Factors That may Impact on ctDNA Analysis. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	27
1122	Urinary extracellular vesicles: does cargo reflect tissue?. <i>Current Opinion in Nephrology and Hypertension</i> , 2022, 31, 464-470.	1.0	3
1124	Small Extracellular Vesicles Secreted by Nigrostriatal Astrocytes Rescue Cell Death and Preserve Mitochondrial Function in Parkinson's Disease. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	16
1125	Mesenchymal Stem Cell-Derived Extracellular Vesicles for Bone Defect Repair. <i>Membranes</i> , 2022, 12, 716.	1.4	12
1126	Tumor cell-derived extracellular vesicles for breast cancer specific delivery of therapeutic P53. <i>Journal of Controlled Release</i> , 2022, 349, 606-616.	4.8	10
1127	Future of Digital Assays to Resolve Clinical Heterogeneity of Single Extracellular Vesicles. <i>ACS Nano</i> , 2022, 16, 11619-11645.	7.3	40
1128	Tracing the Origin of Cell-Free DNA Molecules through Tissue-Specific Epigenetic Signatures. <i>Diagnostics</i> , 2022, 12, 1834.	1.3	14
1129	Quantitative Proteomics Identifies Proteins Enriched in Large and Small Extracellular Vesicles. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100273.	2.5	50
1130	Characterization of plasma exosomal microRNAs in responding to radiotherapy of human esophageal squamous cell carcinoma. <i>Molecular Medicine Reports</i> , 2022, 26, .	1.1	3
1131	Sex Differentially Alters Secretion of Brain Extracellular Vesicles During Aging: A Potential Mechanism for Maintaining Brain Homeostasis. <i>Neurochemical Research</i> , 0, , .	1.6	7
1132	Multi-Phenotypic Exosome Secretion Profiling Microfluidic Platform for Exploring Single-Cell Heterogeneity. <i>Small Methods</i> , 2022, 6, .	4.6	8
1133	Mesenchymal Stem Cell-Derived Secretome: A Potential Therapeutic Option for Autoimmune and Immune-Mediated Inflammatory Diseases. <i>Cells</i> , 2022, 11, 2300.	1.8	55
1134	Phenotypic, metabolic, and biogenesis properties of human stem cell-derived cerebellar spheroids. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
1135	Probable role of exosomes in the extension of fibrotic alterations from affected to normal cells in systemic sclerosis. <i>Rheumatology</i> , 2023, 62, 999-1008.	0.9	3

#	ARTICLE	IF	CITATIONS
1136	Intraocular RGD-Engineered Exosomes and Active Targeting of Choroidal Neovascularization (CNV). <i>Cells</i> , 2022, 11, 2573.	1.8	12
1137	Comparing digital detection platforms in high sensitivity immune phenotyping of extracellular vesicles. , 2022, 1, .		8
1138	Research progress on the pathogenesis of Graves'™ ophthalmopathy: Based on immunity, noncoding RNA and exosomes. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
1139	Human platelet lysate-derived extracellular vesicles enhance angiogenesis through miR-126. <i>Cell Proliferation</i> , 2022, 55, .	2.4	13
1140	The roles of extracellular vesicles in the immune system. <i>Nature Reviews Immunology</i> , 2023, 23, 236-250.	10.6	228
1141	Interactions between endoplasmic reticulum stress and extracellular vesicles in multiple diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
1142	Dancing in local space: rolling hoop orbital amplification combined with local cascade nanozyme catalytic system to achieve ultra-sensitive detection of exosomal miRNA. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	5
1143	Possible Role of Extracellular Vesicles in Hepatotoxicity of Acetaminophen. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8870.	1.8	1
1144	Small extracellular vesicle DNA-mediated horizontal gene transfer as a driving force for tumor evolution: Facts and riddles. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	9
1145	Isolation of mitochondria-derived mitovesicles and subpopulations of microvesicles and exosomes from brain tissues. <i>Nature Protocols</i> , 2022, 17, 2517-2549.	5.5	31
1146	From cerebral ischemia towards myocardial, renal, and hepatic ischemia: Exosomal miRNAs as a general concept of intercellular communication in ischemia-reperfusion injury. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 29, 900-922.	2.3	8
1147	Single-particle assessment of six different drug-loading strategies for incorporating doxorubicin into small extracellular vesicles. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 1287-1298.	1.9	12
1148	Circulating exosomal mRNA signatures for the early diagnosis of clear cell renal cell carcinoma. <i>BMC Medicine</i> , 2022, 20, .	2.3	10
1149	Exosomes: Biogenesis, targeting, characterization and their potential as "Plug & Play" vaccine platforms. <i>Biotechnology Journal</i> , 2022, 17, .	1.8	8
1150	Characterization of protein complexes in extracellular vesicles by intact extracellular vesicle crosslinking mass spectrometry (IEVXL). <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	5
1151	Small RNA sequencing of small extracellular vesicles secreted by umbilical cord mesenchymal stem cells following replicative senescence. <i>Genes and Genomics</i> , 2023, 45, 347-358.	0.5	2
1152	The Role of miRNAs in Metabolic Diseases. <i>Current Medicinal Chemistry</i> , 2023, 30, 1922-1944.	1.2	12
1153	Size and Methylation Index of Cell-Free and Cell-Surface-Bound DNA in Blood of Breast Cancer Patients in the Contest of Liquid Biopsy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8919.	1.8	3

#	ARTICLE	IF	CITATIONS
1154	A systematic review and Meta-analysis of urinary extracellular vesicles proteome in diabetic nephropathy. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	6
1155	Osteoimmunomodulation role of exosomes derived from immune cells on osseointegration. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	7
1156	Protein of a thousand faces: The tumor-suppressive and oncogenic responses of p53. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	9
1157	Extruded small extracellular vesicles: splinters of circulating tumour cells may promote cancer metastasis?. <i>British Journal of Cancer</i> , 2022, 127, 1180-1183.	2.9	4
1158	Extracellular RNAs from immune cells under obesityâ€™a narrative review. <i>ExRNA</i> , 0, 4, 18-18.	1.0	1
1159	Extracellular vesicles in seminal plasma: A safe and relevant tool to improve fertility in livestock?. <i>Animal Reproduction Science</i> , 2022, 244, 107051.	0.5	4
1160	Effect of bone marrow mesenchymal stem cells-derived exosomes on diabetes-induced retinal injury: Implication of Wnt/ b-catenin signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2022, 154, 113554.	2.5	11
1161	Multi-omics analysis revealed the role of extracellular vesicles in hepatobiliary & pancreatic tumor. <i>Journal of Controlled Release</i> , 2022, 350, 11-25.	4.8	3
1162	Nanomaterials assisted exosomes isolation and analysis towards liquid biopsy. <i>Materials Today Bio</i> , 2022, 16, 100371.	2.6	11
1163	Extracellular Vesicles: The Next Generation Theranostic Nanomedicine for Inflammatory Bowel Disease. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 3893-3911.	3.3	22
1164	Host Cell Signatures of the Envelopment Site within Beta-Herpes Virions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9994.	1.8	4
1165	Ectosomes and exosomes modulate neuronal spontaneous activity. <i>Journal of Proteomics</i> , 2022, 269, 104721.	1.2	6
1166	The multifaceted role of micronuclei in tumour progression: A whole organism perspective.. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, 152, 106300.	1.2	2
1167	M2 Macrophage-Derived Exosomes Improved Septic Myocardial Injury by Targeting Let-7c/HMGA2. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1168	EVs and Communication. , 2022, , .		0
1169	Application of Cell-Derived Extracellular Vesicles and Engineered Nanovesicles for Hair Growth: From Mechanisms to Therapeutics. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	11
1170	The extracellular vesicles. , 2023, , 177-191.		0
1171	Release of VAMP5â€™positive extracellular vesicles by retinal MÃ¼ller glia in vivo. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	10

#	ARTICLE	IF	CITATIONS
1172	microRNA-based signatures obtained from endometrial fluid identify implantative endometrium. <i>Human Reproduction</i> , 2022, 37, 2375-2391.	0.4	15
1173	Extracellular Vesicles in Tissue Engineering: Biology and Engineered Strategy. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	13
1174	In vivo self-assembled siRNA as a modality for combination therapy of ulcerative colitis. <i>Nature Communications</i> , 2022, 13, .	5.8	11
1175	Impaired Autophagy Response in Hepatocellular Carcinomas Enriches Glypican-3 in Exosomes, Not in the Microvesicles. <i>Journal of Hepatocellular Carcinoma</i> , 0, Volume 9, 959-972.	1.8	5
1176	Liquid biopsies based on DNA methylation as biomarkers for the detection and prognosis of lung cancer. <i>Clinical Epigenetics</i> , 2022, 14, .	1.8	23
1177	New Perspectives on the Importance of Cell-Free DNA Biology. <i>Diagnostics</i> , 2022, 12, 2147.	1.3	24
1178	Extracellular Vesicles and the Stress System. <i>Neuroendocrinology</i> , 2023, 113, 120-167.	1.2	11
1179	Molecular analysis of Annexin expression in cancer. <i>BMC Cancer</i> , 2022, 22, .	1.1	3
1180	Composition, Biogenesis, and Role of Exosomes in Tumor Development. <i>Stem Cells International</i> , 2022, 2022, 1-12.	1.2	4
1181	Multiplex Analysis of CircRNAs from Plasma Extracellular Vesicle-Enriched Samples for the Detection of Early-Stage Non-Small Cell Lung Cancer. <i>Pharmaceutics</i> , 2022, 14, 2034.	2.0	6
1182	Update on Extracellular Vesicle-Based Vaccines and Therapeutics to Combat COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11247.	1.8	7
1183	Characterization and function of extracellular vesicles in a canine mammary tumour cell line: ultracentrifugation versus size exclusion chromatography. <i>Veterinary and Comparative Oncology</i> , 0, , .	0.8	1
1184	Exosomal lipids from membrane organization to biomarkers: Focus on an endolysosomal-specific lipid. <i>Biochimie</i> , 2022, 203, 77-92.	1.3	9
1185	Cell-free DNA topology depends on its subcellular and cellular origins in cancer. <i>JCI Insight</i> , 2022, 7, .	2.3	3
1186	Exercise training maintains cardiovascular health: signaling pathways involved and potential therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	34
1187	Alpha-2-macroglobulin as a novel diagnostic biomarker for human bladder cancer in urinary extracellular vesicles. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	6
1188	Control of Unconventional Secretion By The Autophagy Machinery. <i>Current Opinion in Physiology</i> , 2022, 29, 100595.	0.9	0
1189	Extracellular vesicle-bound DNA in urine is indicative of kidney allograft injury. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	8

#	ARTICLE	IF	CITATIONS
1190	Extracellular Vesicles and Membrane Protrusions in Developmental Signaling. <i>Journal of Developmental Biology</i> , 2022, 10, 39.	0.9	2
1191	NDFIP1 limits cellular TAZ accumulation via exosomal sorting to inhibit NSCLC proliferation. <i>Protein and Cell</i> , 0, , .	4.8	0
1192	Extracellular vesicles as central regulators of blood vessel function in cancer. <i>Science Signaling</i> , 2022, 15, .	1.6	6
1193	Outer membrane vesicles as molecular biomarkers for Gram-negative sepsis: Taking advantage of nature's perfect packages. <i>Journal of Biological Chemistry</i> , 2022, 298, 102483.	1.6	8
1194	Nanoengineering facilitating the target mission: targeted extracellular vesicles delivery systems design. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	19
1195	Extracellular vesicles for ischemia/reperfusion injury-induced acute kidney injury: a systematic review and meta-analysis of data from animal models. <i>Systematic Reviews</i> , 2022, 11, .	2.5	4
1196	Exosomes and exosomal miRNAs: A new therapy for intervertebral disc degeneration. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	8
1197	DNA Zipper Mediated Membrane Fusion for Rapid Exosomal MiRNA Detection. <i>Analytical Chemistry</i> , 2022, 94, 13043-13051.	3.2	13
1199	Hyaluronic Acid-Coated Bovine Milk Exosomes for Achieving Tumor-Specific Intracellular Delivery of miRNA-204. <i>Cells</i> , 2022, 11, 3065.	1.8	15
1200	Neuronal activity-dependent ATP enhances the pro-growth effect of repair Schwann cell extracellular vesicles by increasing their miRNA-21 loading. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	4
1201	Advances in Exosomes as Diagnostic and Therapeutic Biomarkers for Gynaecological Malignancies. <i>Cancers</i> , 2022, 14, 4743.	1.7	2
1202	Transcriptomic Features in a Single Extracellular Vesicle via Single-Cell RNA Sequencing. <i>Small Methods</i> , 2022, 6, .	4.6	12
1203	Role of exosomes and exosomal microRNA in muscle-Kidney crosstalk in chronic kidney disease. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
1204	Extracellular vesicles derived from human dermal fibroblast effectively ameliorate skin photoaging via miRNA-22-5p-GDF11 axis. <i>Chemical Engineering Journal</i> , 2023, 452, 139553.	6.6	2
1205	Tumor-Derived Extracellular Vesicles: Multifunctional Entities in the Tumor Microenvironment. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2023, 18, 205-229.	9.6	22
1206	The evolving role of extracellular vesicles (exosomes) as biomarkers in traumatic brain injury: Clinical perspectives and therapeutic implications. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	9
1207	HK1 from hepatic stellate cell-derived extracellular vesicles promotes progression of hepatocellular carcinoma. <i>Nature Metabolism</i> , 2022, 4, 1306-1321.	5.1	33
1208	Efficacy of miRNA-modified mesenchymal stem cell extracellular vesicles in spinal cord injury: A systematic review of the literature and network meta-analysis. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4

#	ARTICLE	IF	CITATIONS
1209	Quantitative Analysis of Extracellular Vesicle Uptake and Fusion with Recipient Cells. <i>Bioconjugate Chemistry</i> , 0, , .	1.8	3
1210	Extracellular vesicles over adeno-associated viruses: Advantages and limitations as drug delivery platforms in precision medicine. <i>Advanced Drug Delivery Reviews</i> , 2022, 190, 114535.	6.6	12
1211	Proteomics of Extracellular Vesicle in Glioblastoma. <i>Brain Tumor Research and Treatment</i> , 2022, 10, 207.	0.4	1
1212	Liquid Biopsies in Pancreatic Cancer. , 2022, , 241-253.		0
1213	Analyzing bronchoalveolar fluid derived small extracellular vesicles using single-vesicle SERS for non-small cell lung cancer detection. <i>Sensors & Diagnostics</i> , 2023, 2, 90-99.	1.9	3
1214	Quantitative proteomics and biological activity of extracellular vesicles engineered to express SARS-CoV-2 spike protein. , 2022, 1, .		2
1215	High-resolution atomic force microscopy as a tool for topographical mapping of surface budding. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
1217	Selective immunocapture reveals neoplastic human mast cells secrete distinct microvesicle- and exosome-like populations of KIT-containing extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	7
1218	Cancer-Derived Extracellular Vesicles as Biomarkers for Cutaneous Squamous Cell Carcinoma: A Systematic Review. <i>Cancers</i> , 2022, 14, 5098.	1.7	7
1219	Intercellular transfer of activated STING triggered by RAB22A-mediated non-canonical autophagy promotes antitumor immunity. <i>Cell Research</i> , 2022, 32, 1086-1104.	5.7	31
1220	TCDD induces cleft palate through exosomes derived from mesenchymal cells. <i>Toxicology Research</i> , 2022, 11, 901-910.	0.9	1
1221	Extracellular vesicles from pristane-treated CD38-deficient mice express an anti-inflammatory neutrophil protein signature, which reflects the mild lupus severity elicited in these mice. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
1222	CD11c+ myeloid cell exosomes reduce intestinal inflammation during colitis. <i>JCI Insight</i> , 2022, 7, .	2.3	4
1223	Contaminating transfection complexes can masquerade as small extracellular vesicles and impair their delivery of RNA. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	9
1224	Potential Mechanisms of Gut-Derived Extracellular Vesicle Participation in Glucose and Lipid Homeostasis. <i>Genes</i> , 2022, 13, 1964.	1.0	2
1225	EV-ADD, a database for EV-associated DNA in human liquid biopsy samples. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	11
1227	Transfection reagent artefact likely accounts for some reports of extracellular vesicle function. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	8
1228	ISGylation is induced in neurons by demyelination driving ISG15-dependent microglial activation. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	3

#	ARTICLE	IF	CITATIONS
1229	Exosomes in Mastitisâ€”Research Status, Opportunities, and Challenges. <i>Animals</i> , 2022, 12, 2881.	1.0	0
1231	The role of small extracellular vesicle non-coding RNAs in kidney diseases. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
1232	Application of extracellular vesicles proteins in cancer diagnosis. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	8
1234	Extracellular vesicles: A new paradigm in understanding, diagnosing and treating neurodegenerative disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	5
1235	Unlocking the promise of mRNA therapeutics. <i>Nature Biotechnology</i> , 2022, 40, 1586-1600.	9.4	107
1236	Exosome biogenesis: machinery, regulation, and therapeutic implications in cancer. <i>Molecular Cancer</i> , 2022, 21, .	7.9	109
1237	Tumor-derived extracellular vesicles in melanoma immune response and immunotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113790.	2.5	4
1238	Skeletal Muscleâ€”Extricated Extracellular Vesicles: Facilitators of Repair and Regeneration. , 2022, , 1097-1121.		1
1239	Circulating MicroRNAs as Cancer Biomarkers in Liquid Biopsies. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 23-73.	0.8	10
1240	Cancer cell-intrinsic XBP1 drives immunosuppressive reprogramming of intratumoral myeloid cells by promoting cholesterol production. <i>Cell Metabolism</i> , 2022, 34, 2018-2035.e8.	7.2	29
1241	A hitchhikerâ€™s guide to cell-free DNA biology. <i>Neuro-Oncology Advances</i> , 2022, 4, ii6-ii14.	0.4	5
1242	Role of extracellular vesicles in cancer-specific interactions between tumour cells and the vasculature. <i>Seminars in Cancer Biology</i> , 2022, 87, 196-213.	4.3	6
1243	Urinary extracellular vesicles signature for diagnosis of kidney disease. <i>iScience</i> , 2022, 25, 105416.	1.9	7
1244	Highâ€”Yield Separation of Extracellular Vesicles Using Programmable Zwitterionic Coacervates. <i>Small</i> , 2023, 19, .	5.2	9
1245	Identification of circulating microvesicleâ€”encapsulated <sc>miR</sc> â€”223 as a potential novel biomarker for <sc>ARDS</sc>. <i>Physiological Reports</i> , 2022, 10, .	0.7	4
1246	Extracellular Vesicles as an Endocrine Mechanism Connecting Distant Cells. <i>Molecules and Cells</i> , 2022, 45, 771-780.	1.0	5
1247	Extracellular Vesicles in Multiple Myelomaâ€”Cracking the Code to a Better Understanding of the Disease. <i>Cancers</i> , 2022, 14, 5575.	1.7	3
1249	Proteins in Tumor-Derived Plasma Extracellular Vesicles Indicate Tumor Origin. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100476.	2.5	6

#	ARTICLE	IF	CITATIONS
1250	Recent advances in exosomal RNAs analysis towards diagnostic and therapeutic applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116840.	5.8	7
1251	Recent developments of nanomedicine delivery systems for the treatment of pancreatic cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 79, 104042.	1.4	1
1252	N-acetylglucosaminyltransferase-V (GnT-V)-enriched small extracellular vesicles mediate N-glycan remodeling in recipient cells. <i>IScience</i> , 2023, 26, 105747.	1.9	4
1253	circHIPK3 prevents cardiac senescence by acting as a scaffold to recruit ubiquitin ligase to degrade HuR. <i>Theranostics</i> , 2022, 12, 7550-7566.	4.6	17
1254	The trans-kingdom communication of noncoding RNAs in plant-environment interactions. <i>Plant Genome</i> , 2023, 16, .	1.6	2
1255	Evaluation and manipulation of tissue and cellular distribution of cardiac progenitor cell-derived extracellular vesicles. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	4
1256	Scalable Generation of Nanovesicles from Human-Induced Pluripotent Stem Cells for Cardiac Repair. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14334.	1.8	17
1257	Non-Coding RNAs of Extracellular Vesicles: Key Players in Organ-Specific Metastasis and Clinical Implications. <i>Cancers</i> , 2022, 14, 5693.	1.7	3
1258	Small Non-Coding RNA Profiles of Sorted Plasma Extracellular Vesicles: Technical Approach. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 1847-1864.	0.2	2
1259	Extracellular Vesicles from Bothrops jararaca Venom Are Diverse in Structure and Protein Composition and Interact with Mammalian Cells. <i>Toxins</i> , 2022, 14, 806.	1.5	1
1260	Fluorescence Spectroscopic Analysis of Lateral and Transbilayer Fluidity of Exosome Membranes. <i>Langmuir</i> , 2022, 38, 14695-14703.	1.6	4
1261	Research advances and challenges in tissue-derived extracellular vesicles. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	7
1262	Possible transfer of lncRNA H19-derived miRNA miR-675-3p to adjacent H19-non-expressing trophoblast cells in near-term mouse placenta. <i>Histochemistry and Cell Biology</i> , 0, , .	0.8	1
1263	Relevance of biochemical deep phenotyping for a personalised approach to Parkinson's disease. <i>Neuroscience</i> , 2022, , .	1.1	3
1264	Canonical and non-canonical roles for ATG8 proteins in autophagy and beyond. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	5
1265	Exosomes Derived from BMMSCs Mitigate the Hepatic Fibrosis via Anti-Pyroptosis Pathway in a Cirrhosis Model. <i>Cells</i> , 2022, 11, 4004.	1.8	5
1266	High-Yield Production of Extracellular Vesicle Subpopulations with Constant Quality Using Batch-Refeed Cultures. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	2
1267	Exosomes as biomarkers and therapeutic delivery for autoimmune diseases: Opportunities and challenges. <i>Autoimmunity Reviews</i> , 2023, 22, 103260.	2.5	18

#	ARTICLE	IF	CITATIONS
1268	Maintaining essential microtubule bundles in meter-long axons: a role for local tubulin biogenesis?. Brain Research Bulletin, 2023, 193, 131-145.	1.4	4
1269	Label-free relative quantitative proteomics reveals extracellular vesicles as a vehicle for Salmonella effector protein delivery. Frontiers in Microbiology, 0, 13, .	1.5	0
1270	Exosomes in pathogenesis, diagnosis, and therapy of ischemic stroke. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	5
1271	Magnetoâ€Nanomechanical Array Biosensor for Ultrasensitive Detection of Oncogenic Exosomes for Early Diagnosis of Cancers. Small, 2023, 19, .	5.2	4
1272	Engineered Nanovesicles from Fibroblasts Modulate Dermal Papillae Cells In Vitro and Promote Human Hair Follicle Growth Ex Vivo. Cells, 2022, 11, 4066.	1.8	1
1273	Exosomes in Cerebral Ischemia-Reperfusion Injury: Current Perspectives and Future Challenges. Brain Sciences, 2022, 12, 1657.	1.1	4
1274	CoLoC-seq probes the global topology of organelle transcriptomes. Nucleic Acids Research, 2023, 51, e16-e16.	6.5	2
1275	Classification of Extracellular Vesicles Based on Surface Glycan Structures by Spongy-like Separation Media. Analytical Chemistry, 2022, 94, 18025-18033.	3.2	8
1276	Diverse functional genes harboured in extracellular vesicles from environmental and human microbiota. Journal of Extracellular Vesicles, 2022, 11, .	5.5	2
1277	The Therapeutic Potential and Clinical Significance of Exosomes as Carriers of Drug Delivery System. Pharmaceutics, 2023, 15, 21.	2.0	17
1278	Advances in Purification, Modification, and Application of Extracellular Vesicles for Novel Clinical Treatments. Membranes, 2022, 12, 1244.	1.4	9
1279	Extracellular Vesicles as Drug Targets and Delivery Vehicles for Cancer Therapy. Pharmaceutics, 2022, 14, 2822.	2.0	6
1280	New Therapeutics for Extracellular Vesicles: Delivering CRISPR for Cancer Treatment. International Journal of Molecular Sciences, 2022, 23, 15758.	1.8	7
1281	Diabetic foot ulcer: Challenges and future. World Journal of Diabetes, 0, 13, 1014-1034.	1.3	16
1282	Status quo of Extracellular Vesicle isolation and detection methods for clinical utility. Seminars in Cancer Biology, 2023, 88, 157-171.	4.3	7
1283	Contamination of bacterial extracellular vesicles (bEVs) in human urinary extracellular vesicles (uEVs) samples and their effects on uEVs study. , 2022, 1, .		1
1284	Inflammatory Periodontal Ligament Stem Cells Drive M1 Macrophage Polarization via Exosomal miR-143-3p-Mediated Regulation of PI3K/AKT/NF-Î²B Signaling. Stem Cells, 2023, 41, 184-199.	1.4	13
1285	Electrodeposited magnetic nanoporous membrane for high-yield and high-throughput immunocapture of extracellular vesicles and lipoproteins. Communications Biology, 2022, 5, .	2.0	4

#	ARTICLE	IF	CITATIONS
1286	Targeting Persistent Changes in Neuroimmune and Epigenetic Signaling in Adolescent Drinking to Treat Alcohol Use Disorder in Adulthood. <i>Pharmacological Reviews</i> , 2023, 75, 380-396.	7.1	5
1287	Are there foetal extracellular vesicles in maternal blood? Prospects for diagnostic biomarker discovery. <i>Journal of Molecular Medicine</i> , 0, , .	1.7	0
1288	Adipose tissue-derived small extracellular vesicles modulate macrophages to improve the homing of adipocyte precursors and endothelial cells in adipose tissue regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
1289	Stability and Function of Extracellular Vesicles Derived from Immortalized Human Corneal Stromal Stem Cells: A Proof of Concept Study. <i>AAPS Journal</i> , 2023, 25, .	2.2	0
1290	Extracellular chaperone networks and the export of J-domain proteins. <i>Journal of Biological Chemistry</i> , 2023, 299, 102840.	1.6	5
1291	Extracellular RNA: mechanisms of secretion and potential functions. <i>Journal of Experimental Botany</i> , 2023, 74, 2389-2404.	2.4	7
1292	Comparative proteomic analysis of seminal plasma exosomes in buffalo with high and low sperm motility. <i>BMC Genomics</i> , 2023, 24, .	1.2	2
1293	Extracellular Vesicles Expressing CD19 Antigen Improve Expansion and Efficacy of CD19-Targeted CAR-T Cells. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 49-63.	3.3	7
1294	Extracellular vesicle-encapsulated CC16 as novel nanotherapeutics for treatment of acute lung injury. <i>Molecular Therapy</i> , 2023, 31, 1346-1364.	3.7	6
1295	Exosomes mediate Coxsackievirus B3 transmission and expand the viral tropism. <i>PLoS Pathogens</i> , 2023, 19, e1011090.	2.1	10
1296	M6PR- and EphB4-Rich Exosomes Secreted by Serglycin-Overexpressing Esophageal Cancer Cells Promote Cancer Progression. <i>International Journal of Biological Sciences</i> , 2023, 19, 625-640.	2.6	7
1297	Omics insights into extracellular vesicles in embryo implantation and their therapeutic utility. <i>Proteomics</i> , 2023, 23, .	1.3	4
1298	Extracellular Vesicles: New Classification and Tumor Immunosuppression. <i>Biology</i> , 2023, 12, 110.	1.3	21
1299	Metabolomics of small extracellular vesicles derived from isocitrate dehydrogenase 1-mutant HCT116 cells collected by semi-automated size exclusion chromatography. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	3
1300	Extracellular Vesicles for Dental Pulp and Periodontal Regeneration. <i>Pharmaceutics</i> , 2023, 15, 282.	2.0	7
1301	Tumor-Derived Extracellular Vesicles as Complementary Prognostic Factors to Circulating Tumor Cells in Metastatic Breast Cancer. <i>JCO Precision Oncology</i> , 2023, , .	1.5	5
1302	Circulating miRNAs associated with nonalcoholic fatty liver disease. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C588-C602.	2.1	14
1303	Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0

#	ARTICLE	IF	CITATIONS
1304	Recent advances in macrophage-derived exosomes as delivery vehicles. , 2022, 1, e9130013.		8
1305	Extracellular vesicles regulate the transmission of insulin resistance and redefine noncommunicable diseases. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
1306	PDE6D Mediates Trafficking of Prenylated Proteins NIM1K and UBL3 to Primary Cilia. <i>Cells</i> , 2023, 12, 312.	1.8	3
1307	Impact of Experimental Conditions on Extracellular Vesiclesâ€™ Proteome: A Comparative Study. <i>Life</i> , 2023, 13, 206.	1.1	2
1309	Role of Extracellular Vesicles in Cancer Pathogenesis. , 2023, , 1-29.		0
1310	Extracellular vesicle-derived CircWhsc1 promotes cardiomyocyte proliferation and heart repair by activating TRIM59/STAT3/Cyclin B2 pathway. <i>Journal of Advanced Research</i> , 2023, 53, 199-218.	4.4	5
1311	Small extracellular vesicles released from germinated kiwi pollen (pollensomes) present characteristics similar to mammalian exosomes and carry a plant homolog of ALIX. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	6
1312	Role of exosomes in bladder cancer diagnosis and therapy. , 2023, , 249-258.		0
1313	Identification of Novel Senescent Markers in Small Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2421.	1.8	7
1314	All-in-One Nanowire Assay System for Capture and Analysis of Extracellular Vesicles from an <i>in vivo</i> Brain Tumor Model. <i>ACS Nano</i> , 2023, 17, 2235-2244.	7.3	9
1315	Microfluidic Platform for Profiling of Extracellular Vesicles from Single Breast Cancer Cells. <i>Analytical Chemistry</i> , 2023, 95, 1933-1939.	3.2	7
1318	Humoral regulation of iron metabolism by extracellular vesicles drives antibacterial response. <i>Nature Metabolism</i> , 2023, 5, 111-128.	5.1	10
1319	Circulating tumor nucleic acids: biology, release mechanisms, and clinical relevance. <i>Molecular Cancer</i> , 2023, 22, .	7.9	40
1320	Which technology performs better? From sample volume to extraction and molecular profiling. , 2023, , 119-202.		0
1321	Nicked tRNAs are stable reservoirs of tRNA halves in cells and biofluids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	15
1322	The potential use of mesenchymal stem cells-derived exosomes as microRNAs delivery systems in different diseases. <i>Cell Communication and Signaling</i> , 2023, 21, .	2.7	34
1323	Exosome Release Delays Senescence by Disposing of Obsolete Biomolecules. <i>Advanced Science</i> , 2023, 10, .	5.6	8
1324	Metal nanoprobe Decorated All-inorganic Perovskite Nanocrystals-based Fluorescence-Linked Immunosorbent Assay for Detection of Tumor-derived Exosomes. <i>Analytical Methods</i> , 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
1325	Heterogeneity of Extracellular Vesicles and Particles: Molecular Voxels in the Blood Borne Hologram of Organ Function, Dysfunction and Cancer. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2023, 71, .	1.0	3
1326	Cancer stem cell-derived extracellular vesicles preferentially target MHC-II ⁺ macrophages and PD1 ⁺ T cells in the tumor microenvironment. <i>PLoS ONE</i> , 2023, 18, e0279400.	1.1	6
1327	Quantification and Imaging of Exosomes via Luciferase-Fused Exosome Marker Proteins: ExoLuc System. <i>Methods in Molecular Biology</i> , 2022, , 281-290.	0.4	3
1328	Blood-Based Cancer Screening/Early Cancer Detection. , 2023, , 1-31.		0
1329	Extracellular vesicles and nanoparticles: emerging complexities. <i>Trends in Cell Biology</i> , 2023, 33, 667-681.	3.6	94
1330	Seminal Extracellular Vesicles and Their Involvement in Male (In)Fertility: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4818.	1.8	6
1331	Human adipose tissue-derived small extracellular vesicles promote soft tissue repair through modulating M1-to-M2 polarization of macrophages. <i>Stem Cell Research and Therapy</i> , 2023, 14, .	2.4	2
1332	The Proteome of Large or Small Extracellular Vesicles in Pig Seminal Plasma Differs, Defining Sources and Biological Functions. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100514.	2.5	5
1333	Extracellular vesicles as next generation immunotherapeutics. <i>Seminars in Cancer Biology</i> , 2023, 90, 73-100.	4.3	16
1334	Plasma exosome-derived circGAPVD1 as a potential diagnostic marker for colorectal cancer. <i>Translational Oncology</i> , 2023, 31, 101652.	1.7	6
1335	Tissue-derived extracellular vesicles: Isolation, purification, and multiple roles in normal and tumor tissues. <i>Life Sciences</i> , 2023, 321, 121624.	2.0	3
1336	Formation of pre-metastatic niches induced by tumor extracellular vesicles in lung metastasis. <i>Pharmacological Research</i> , 2023, 188, 106669.	3.1	5
1337	Low-density small extracellular vesicles in bovine follicular fluid carrying let-7i target FASLG to inhibit granulosa cells apoptosis. <i>Theriogenology</i> , 2023, 199, 121-130.	0.9	1
1338	Cocaine perturbs mitovesicle biology in the brain. <i>Journal of Extracellular Vesicles</i> , 2023, 12, .	5.5	6
1339	Extracellular vesicles as a liquid biopsy for melanoma: Are we there yet?. <i>Seminars in Cancer Biology</i> , 2023, 89, 92-98.	4.3	2
1340	Overcoming Blood-Brain Barrier Resistance: Implications for Extracellular Vesicle-Mediated Drug Brain Delivery. <i>Frontiers in Drug Delivery</i> , 0, 2, .	0.4	5
1341	Self-Assembly and Disassembly of Membrane Curvature-Sensing Peptide-Based Deep-Red Fluorescent Probe for Highly Sensitive Sensing of Exosomes. <i>ACS Sensors</i> , 2023, 8, 522-526.	4.0	1
1342	Dual-Aptamer-Assisted Ratiometric SERS Biosensor for Ultrasensitive and Precise Identification of Breast Cancer Exosomes. <i>ACS Sensors</i> , 2023, 8, 875-883.	4.0	20

#	ARTICLE	IF	CITATIONS
1343	Uterine Flushing Fluid-Derived Let-7b Targets CXCL10 to Regulate Uterine Receptivity in Goats during Embryo Implantation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2799.	1.8	0
1344	Research progress on the role of extracellular vesicles derived from aging cells in osteoporosis. <i>Bioscience Reports</i> , 2023, 43, .	1.1	1
1345	Plasma extracellular vesicle messenger RNA profiling identifies prognostic EV signature for non-invasive risk stratification for survival prediction of patients with pancreatic ductal adenocarcinoma. <i>Journal of Hematology and Oncology</i> , 2023, 16, .	6.9	6
1346	Extracellular Vesicles in Aging: An Emerging Hallmark?. <i>Cells</i> , 2023, 12, 527.	1.8	6
1347	Mitochondrial cargo export in exosomes: Possible pathways and implication in disease biology. <i>Journal of Cellular Physiology</i> , 2023, 238, 687-697.	2.0	3
1348	Neuronal extracellular vesicles and associated microRNAs induce circuit connectivity downstream BDNF. <i>Cell Reports</i> , 2023, 42, 112063.	2.9	16
1349	Proteomic analysis of exosome-like vesicles from <i>Fasciola gigantica</i> adult worm provides support for new vaccine targets against fascioliasis. <i>Parasites and Vectors</i> , 2023, 16, .	1.0	4
1350	Extracellular Vesicles in Colorectal Cancer: From Tumor Growth and Metastasis to Biomarkers and Nanomedications. <i>Cancers</i> , 2023, 15, 1107.	1.7	12
1351	Context-specific regulation of extracellular vesicle biogenesis and cargo selection. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 454-476.	16.1	112
1352	Recent advancements to engineer mesenchymal stem cells and their extracellular vesicles for targeting and destroying tumors. <i>Progress in Biophysics and Molecular Biology</i> , 2023, 178, 1-16.	1.4	4
1353	Mechanisms and clinical application potential of mesenchymal stem cells-derived extracellular vesicles in periodontal regeneration. <i>Stem Cell Research and Therapy</i> , 2023, 14, .	2.4	5
1354	Young Exosome Bioâ€Nanoparticles Restore Agingâ€Impaired Tendon Stem/Progenitor Cell Function and Reparative Capacity. <i>Advanced Materials</i> , 2023, 35, .	11.1	20
1355	Exosome-derived CIRP: An amplifier of inflammatory diseases. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	10
1356	Hypoxic glioma cell-secreted exosomal circ101491 promotes the progression of glioma by regulating miR-125b-5p/EDN1. <i>Brain Research Bulletin</i> , 2023, 195, 55-65.	1.4	5
1357	Effect of the Application of Exosome on Gastric Cancer. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2023, 26, .	0.6	0
1358	Platelet removal from human blood plasma improves detection of extracellular vesicleâ€associated miRNA. <i>Journal of Extracellular Vesicles</i> , 2023, 12, .	5.5	11
1359	Production and Utility of Extracellular Vesicles with 3D Culture Methods. <i>Pharmaceutics</i> , 2023, 15, 663.	2.0	8
1360	GPR143 controls ESCRT-dependent exosome biogenesis and promotes cancer metastasis. <i>Developmental Cell</i> , 2023, 58, 320-334.e8.	3.1	20

#	ARTICLE	IF	CITATIONS
1361	Accurate and rapid quantification of PD-L1 positive exosomes by a triple-helix molecular probe. <i>Analytica Chimica Acta</i> , 2023, 1251, 340984.	2.6	3
1362	Current Strategies for Promoting the Large-scale Production of Exosomes. <i>Current Neuropharmacology</i> , 2023, 21, 1964-1979.	1.4	4
1363	Exosomal RNAs in the development and treatment of pituitary adenomas. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	4
1364	Exploiting the biogenesis of extracellular vesicles for bioengineering and therapeutic cargo loading. <i>Molecular Therapy</i> , 2023, 31, 1231-1250.	3.7	32
1365	Liquid biopsy at the frontier in renal cell carcinoma: recent analysis of techniques and clinical application. <i>Molecular Cancer</i> , 2023, 22, .	7.9	12
1366	Glioblastoma upregulates SUMOylation of hnRNP A2/B1 to eliminate the tumor suppressor miR-204-3p, accelerating angiogenesis under hypoxia. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	10
1367	Human Keratinocyte-Derived Exosomal MALAT1 Promotes Diabetic Wound Healing by Upregulating MFGE8 via microRNA-1914-3p. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 949-970.	3.3	4
1368	Macrophage " tumor cell interaction beyond cytokines. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	2
1371	Exosomes as natural nanocarrier-based drug delivery system: recent insights and future perspectives. <i>3 Biotech</i> , 2023, 13, .	1.1	18
1372	Extracellular Vesicle-DNA: The Next Liquid Biopsy Biomarker for Early Cancer Diagnosis?. <i>Cancers</i> , 2023, 15, 1456.	1.7	1
1373	Comparative analysis of magnetically activated cell sorting and ultracentrifugation methods for exosome isolation. <i>PLoS ONE</i> , 2023, 18, e0282238.	1.1	7
1374	The diagnostic and therapeutic prospects of exosomes in ovarian cancer. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2023, 130, 999-1006.	1.1	2
1375	Single vesicle analysis reveals the release of tetraspanin positive extracellular vesicles into circulation with high intensity intermittent exercise. <i>Journal of Physiology</i> , 2023, 601, 5093-5106.	1.3	6
1376	Autophagy and autophagy-related pathways in cancer. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 560-575.	16.1	115
1377	Sera of Individuals Chronically Infected with Hepatitis B Virus (HBV) Contain Diverse RNA Types Produced by HBV Replication or Derived from Integrated HBV DNA. <i>Journal of Virology</i> , 2023, 97, .	1.5	2
1379	Isolation of Structurally Heterogeneous TCR-CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
1380	Uterine luminal-derived extracellular vesicles: potential nanomaterials to improve embryo implantation. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	2
1381	Isolation of Structurally Heterogeneous TCR-CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	2

#	ARTICLE	IF	CITATIONS
1382	Bioinformatics identification and experimental validation of m6A-related diagnostic biomarkers in the subtype classification of blood monocytes from postmenopausal osteoporosis patients. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	1
1383	Extracellular vesicles and their cells of origin: Open issues in autoimmune diseases. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	6
1384	Comparative Analyses of Human Exosome Proteomes. <i>Protein Journal</i> , 2023, 42, 365-373.	0.7	4
1385	Advances in Drug Delivery Systems Based on Red Blood Cells and Their Membrane-Derived Nanoparticles. <i>ACS Nano</i> , 2023, 17, 5187-5210.	7.3	22
1386	Secretion of VGF relies on the interplay between LRRK2 and post-Golgi v-SNAREs. <i>Cell Reports</i> , 2023, 42, 112221.	2.9	2
1387	Exosomes: The role in mammalian reproductive regulation and pregnancy-related diseases. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	5
1388	Extracellular Vesicles as Drug Delivery Systems in Organ Transplantation: The Next Frontier. <i>Pharmaceutics</i> , 2023, 15, 891.	2.0	4
1389	Emerging role of extracellular vesicles in multiple sclerosis: From cellular surrogates to pathogenic mediators and beyond. <i>Journal of Neuroimmunology</i> , 2023, 377, 578064.	1.1	5
1390	Exosomes and Their Bioengineering Strategies in the Cutaneous Wound Healing and Related Complications: Current Knowledge and Future Perspectives. <i>International Journal of Biological Sciences</i> , 2023, 19, 1430-1454.	2.6	15
1391	Comprehensive isolation of extracellular vesicles and nanoparticles. <i>Nature Protocols</i> , 2023, 18, 1462-1487.	5.5	19
1392	Immune determinants of the pre-metastatic niche. <i>Cancer Cell</i> , 2023, 41, 546-572.	7.7	19
1393	Uptake of oomycete RXLR effectors into host cells by clathrin-mediated endocytosis. <i>Plant Cell</i> , 2023, 35, 2504-2526.	3.1	13
1394	Phosphatidylserine-Exposing Annexin A1-Positive Extracellular Vesicles: Potential Cancer Biomarkers. <i>Vaccines</i> , 2023, 11, 639.	2.1	3
1395	Extracellular vesicleâ€“matrix interactions. <i>Nature Reviews Materials</i> , 2023, 8, 390-402.	23.3	10
1396	Exosomes, microvesicles, and other extracellular vesiclesâ€“a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2023, 1523, 24-37.	1.8	4
1397	Investigation of the Presence of DNA in Human Blood Plasma Small Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5915.	1.8	5
1398	Bioengineered Exosomes Bearing Adenosine A2a Receptor for the Treatment of Neuroinflammation. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 2642-2650.	0.5	0
1399	ExosomePurity: tumour purity deconvolution in serum exosomes based on miRNA signatures. <i>Briefings in Bioinformatics</i> , 0, , .	3.2	0

#	ARTICLE	IF	CITATIONS
1400	Sensitive Electrochemical Sensor for Glycoprotein Detection Using a Self-Serviced-Track 3D DNA Walker and Catalytic Hairpin Assembly Enzyme-Free Signal Amplification. <i>Analytical Chemistry</i> , 2023, 95, 6122-6129.	3.2	8
1401	The glycoprotein CD147 defines miRNA-enriched extracellular vesicles that derive from cancer cells. <i>Journal of Extracellular Vesicles</i> , 2023, 12, .	5.5	6
1402	3,4-Dihydroxybenzalacetone Inhibits the Propagation of Hydrogen Peroxide-Induced Oxidative Effect & Secretory Components from SH-SY5Y Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2023, 46, 599-607.	0.6	0
1403	Metabolomic analysis of bone-derived exosomes in osteonecrosis of the femoral head based on UPLC-MS/MS. <i>Metabolomics</i> , 2023, 19, .	1.4	0
1404	Small extracellular vesicles in breast cancer brain metastasis and the prospect of clinical application. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	4
1405	Matrix vesicles promote bone repair after a femoral bone defect in mice. <i>PLoS ONE</i> , 2023, 18, e0284258.	1.1	6
1406	The role of exosomes in regulation and application of vascular homeostasis and vascular grafts. <i>Smart Materials in Medicine</i> , 2023, 4, 538-551.	3.7	3
1407	Proteomic analysis reveals microvesicles containing NAMPT as mediators of radioresistance in glioma. <i>Life Science Alliance</i> , 2023, 6, e202201680.	1.3	7
1408	Research progress of engineered mesenchymal stem cells and their derived exosomes and their application in autoimmune/inflammatory diseases. <i>Stem Cell Research and Therapy</i> , 2023, 14, .	2.4	8
1409	Identification of a Novel Small Molecule That Enhances the Release of Extracellular Vesicles with Immunostimulatory Potency via Induction of Calcium Influx. <i>ACS Chemical Biology</i> , 2023, 18, 982-993.	1.6	0
1410	Advances in oral mesenchymal stem cell-derived extracellular vesicles in health and disease. <i>Genes and Diseases</i> , 2024, 11, 346-357.	1.5	7
1411	Plasma-derived exosomal miRNA as potential biomarker for diagnosis and prognosis of vector-borne diseases: A review. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	1
1412	The role of extracellular vesicles in cancer. <i>Cell</i> , 2023, 186, 1610-1626.	13.5	76
1413	Extracellular Vesicles for Therapeutic Nucleic Acid Delivery: Loading Strategies and Challenges. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7287.	1.8	8
1414	Apoptotic vesicles: emerging concepts and research progress in physiology and therapy. , 2023, 2, .		1
1415	Assessing Breast Cancer Molecular Subtypes Using Extracellular Vesicles™ mRNA. <i>Analytical Chemistry</i> , 2023, 95, 7665-7675.	3.2	3
1416	Rapid exosome isolation and <i>in situ</i> multiplexed detection of exosomal surface proteins and microRNAs on microfluidic platform. <i>Analyst</i> , The, 2023, 148, 2387-2394.	1.7	2
1417	Research progress of extracellular vesicles as biomarkers in immunotherapy for non-small cell lung cancer. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	0

#	ARTICLE	IF	CITATIONS
1431	Quantitative Analysis of Extracellular Vesicle Release Using Artificial MicroRNAs. <i>Methods in Molecular Biology</i> , 2023, , 191-207.	0.4	0
1432	Characterization of Extracellular Vesicles by Transmission Electron Microscopy and Immunolabeling Electron Microscopy. <i>Methods in Molecular Biology</i> , 2023, , 33-43.	0.4	5
1438	MicroRNA Biogenesis in Regenerative Medicine. , 2023, , 3-48.		0
1473	Stem Cell-Derived Exosomes as New Horizon for Cell-Free Therapeutic Development: Current Status and Prospects. <i>Biochemistry</i> , 0, , .	0.8	0
1521	Extracellular Vesicles: A Potent Therapeutic Tool for Cartilage Regeneration. , 2023, , 405-423.		0
1543	Plant exosome nanovesicles (PENs): green delivery platforms. <i>Materials Horizons</i> , 2023, 10, 3879-3894.	6.4	10
1546	Phospholipase A2 in oral cancer. , 2023, , 145-156.		0
1561	Therapeutic potential in rheumatic diseases of extracellular vesicles derived from mesenchymal stromal cells. <i>Nature Reviews Rheumatology</i> , 2023, 19, 682-694.	3.5	5
1562	The expanding organelle lipidomes: current knowledge and challenges. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	2
1563	Nature vs. Manmade: Comparing Exosomes and Liposomes for Traumatic Brain Injury. <i>AAPS Journal</i> , 2023, 25, .	2.2	1
1564	The Fatal Role of Enterohaemorrhagic Escherichia coli Shiga Toxin-associated Extracellular Vesicles in Host Cells. <i>Journal of Microbiology</i> , 2023, 61, 715-727.	1.3	2
1589	Theranostic Applications of Functionalized Exosomes. , 2023, , 271-297.		0
1590	Density-Based Fractionation of Cell-Conditioned Medium to Prepare Proteomics Grade Extracellular Vesicles. <i>Methods in Molecular Biology</i> , 2023, , 253-269.	0.4	1
1621	Vascular calcification: from the perspective of crosstalk. <i>Molecular Biomedicine</i> , 2023, 4, .	1.7	1
1640	Dual impacts of mesenchymal stem cell-derived exosomes on cancer cells: unravelling complex interactions. <i>Journal of Cell Communication and Signaling</i> , 2023, 17, 1229-1247.	1.8	0
1670	Hydrogels Loaded with Mesenchymal Stem Cells Extracellular Vesicles for Treating Knee Joint Disorders: A Systematic Review. <i>Regenerative Engineering and Translational Medicine</i> , 0, , .	1.6	0
1688	Urinary extracellular vesicles in childhood kidney diseases. <i>Pediatric Nephrology</i> , 0, , .	0.9	0
1708	Insights into optimizing exosome therapies for acute skin wound healing and other tissue repair. <i>Frontiers of Medicine</i> , 0, , .	1.5	1

#	ARTICLE	IF	CITATIONS
1726	Pathological biomineralization. Part I: Mineralizing extracellular vesicles in cardiovascular diseases. , 2024, , 61-80.		0
1740	Roles of exosomes in immunotherapy for solid cancers. Cell Death and Disease, 2024, 15, .	2.7	0
1772	Isolation of Extracellular Vesicles Using Formulas to Adapt Centrifugation to Different Centrifuges. Methods in Molecular Biology, 2024, , 39-48.	0.4	0