Shedding light on the cell biology of extracellular vesicl

Nature Reviews Molecular Cell Biology

19, 213-228

DOI: 10.1038/nrm.2017.125

Citation Report

#	Article	IF	Citations
1	Exosomes in Acquired Neurological Disorders: New Insights into Pathophysiology and Treatment. Molecular Neurobiology, 2018, 55, 9280-9293.	1.9	86
2	The unconventional secretion of IL-1Î²: Handling a dangerous weapon to optimize inflammatory responses. Seminars in Cell and Developmental Biology, 2018, 83, 12-21.	2.3	47
3	The Role for Exosomal microRNAs in Disruption of Regulatory T Cell Homeostasis in Multiple Sclerosis. Journal of Experimental Neuroscience, 2018, 12, 117906951876489.	2.3	16
4	The importance of the vascular endothelial barrier in the immune-inflammatory response induced by radiotherapy. British Journal of Radiology, 2018, 91, 20170762.	1.0	57
5	The decade of exosomal long RNA species: an emerging cancer antagonist. Molecular Cancer, 2018, 17, 75.	7.9	130
6	Extracellular vesicles released in response to respiratory exposures: implications for chronic disease. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2018, 21, 142-160.	2.9	49
8	Sickle cell disease. Nature Reviews Disease Primers, 2018, 4, 18010.	18.1	764
9	Shear stress: An essential driver of endothelial progenitor cells. Journal of Molecular and Cellular Cardiology, 2018, 118, 46-69.	0.9	51
10	New players in chronic lung disease identified at the European Respiratory Society International Congress in Paris 2018: from microRNAs to extracellular vesicles. Journal of Thoracic Disease, 2018, 10, S2983-S2987.	0.6	2
11	Differential Interaction of Platelet-Derived Extracellular Vesicles With Circulating Immune Cells: Roles of TAM Receptors, CD11b, and Phosphatidylserine. Frontiers in Immunology, 2018, 9, 2797.	2.2	27
12	A dual-signal amplification platform for sensitive fluorescence biosensing of leukemia-derived exosomes. Nanoscale, 2018, 10, 20289-20295.	2.8	91
13	Non-cell Autonomous Maintenance of Proteostasis by Molecular Chaperones and Its Molecular Mechanism. Biological and Pharmaceutical Bulletin, 2018, 41, 843-849.	0.6	3
14	Biogenesis, Stabilization, and Transport of microRNAs in Kidney Health and Disease. Non-coding RNA, 2018, 4, 30.	1.3	5
15	Brain Theranostics and Radiotheranostics: Exosomes and Graphenes In Vivo as Novel Brain Theranostics. Nuclear Medicine and Molecular Imaging, 2018, 52, 407-419.	0.6	8
16	Triggering Endogenous Cardiac Repair and Regeneration via Extracellular Vesicle-Mediated Communication. Frontiers in Physiology, 2018, 9, 1497.	1.3	33
17	Extracellular Vesicles in Herpes Viral Spread and Immune Evasion. Frontiers in Microbiology, 2018, 9, 2572.	1.5	39
18	Extracellular Vesicle-Mediated Immune Regulation of Tissue Remodeling and Angiogenesis After Myocardial Infarction. Frontiers in Immunology, 2018, 9, 2799.	2.2	30
19	Tumor-Derived Microvesicles Enhance Cross-Processing Ability of Clinical Grade Dendritic Cells. Frontiers in Immunology, 2018, 9, 2481.	2.2	23

#	Article	IF	Citations
20	Liver-Derived Exosomes and Their Implications in Liver Pathobiology. International Journal of Molecular Sciences, 2018, 19, 3715.	1.8	67
21	The role of extracellular vesicles in biomineralisation: current perspective and application in regenerative medicine. Journal of Tissue Engineering, 2018, 9, 204173141881013.	2.3	40
22	150 years of Darwinâ€™s theory of intercellular flow of hereditary information. Nature Reviews Molecular Cell Biology, 2018, 19, 749-750.	16.1	27
23	Missing elimination via membrane vesicle shedding contributes to the diminished calcium sensitivity of listeriolysin O. Scientific Reports, 2018, 8, 15846.	1.6	9
24	To Protect and to Preserve: Novel Preservation Strategies for Extracellular Vesicles. Frontiers in Pharmacology, 2018, 9, 1199.	1.6	131
26	Medicinal Leech CNS as a Model for Exosome Studies in the Crosstalk between Microglia and Neurons. International Journal of Molecular Sciences, 2018, 19, 4124.	1.8	25
27	Roles and Regulation of Extracellular Vesicles in Cardiovascular Mineral Metabolism. Frontiers in Cardiovascular Medicine, 2018, 5, 187.	1.1	78
28	Delivery of genome editing tools by bacterial extracellular vesicles. Microbial Biotechnology, 2019, 12, 71-73.	2.0	12
29	Exosomesâ€”the enigmatic regulators of bone homeostasis. Bone Research, 2018, 6, 36.	5.4	77
30	Essentials of extracellular vesicles: posters on basic and clinical aspects of extracellular vesicles. Journal of Extracellular Vesicles, 2018, 7, 1548234.	5.5	37
31	Rapid and accurate analysis of stem cell-derived extracellular vesicles with super resolution microscopy and live imaging. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1891-1900.	1.9	72
32	Pathogen-Derived Extracellular Vesicle-Associated Molecules That Affect the Host Immune System: An Overview. Frontiers in Microbiology, 2018, 9, 2182.	1.5	95
33	Lab-on-Chip for Exosomes and Microvesicles Detection and Characterization. Sensors, 2018, 18, 3175.	2.1	107
34	Extracellular Vesicles: Potential Participants in Circadian Rhythm Synchronization. International Journal of Biological Sciences, 2018, 14, 1610-1620.	2.6	32
35	An Endothelial-to-Adipocyte Extracellular Vesicle Axis Governed by Metabolic State. Cell, 2018, 175, 695-708.e13.	13.5	277
36	Torquetenovirus detection in exosomes enriched vesicles circulating in human plasma samples. Virology Journal, 2018, 15, 145.	1.4	23
37	Extracellular vesicles: intelligent delivery strategies for therapeutic applications. Journal of Controlled Release, 2018, 289, 56-69.	4.8	85
38	Probing the mechanisms of extracellular vesicle biogenesis and function in cancer. Biochemical Society Transactions, 2018, 46, 1137-1146.	1.6	28

#	Article	IF	Citations
39	Endothelial Extracellular Vesicles in Pulmonary Function and Disease. Current Topics in Membranes, 2018, 82, 197-256.	0.5	35
40	Promoting axonal regeneration through exosomes: An update of recent findings on exosomal PTEN and mTOR modifiers. Brain Research Bulletin, 2018, 143, 123-131.	1.4	15
41	Nrf1D Is the First Candidate Secretory Transcription Factor in the Blood Plasma, Its Precursor Existing as a Unique Redox-Sensitive Transmembrane CNC-bZIP Protein in Hemopoietic and Somatic Tissues. International Journal of Molecular Sciences, 2018, 19, 2940.	1.8	2
42	Exosomes or Microvesicles, a Secreted Subcellular Organelle Contributing to Inflammation and Diabetes. Diabetes, 2018, 67, 2154-2156.	0.3	13
43	Extracellular Vesicles in Joint Disease and Therapy. Frontiers in Immunology, 2018, 9, 2575.	2.2	34
44	The Ambiguous Roles of Extracellular Vesicles in HIV Replication and Pathogenesis. Frontiers in Microbiology, 2018, 9, 2411.	1.5	38
45	The Role of MicroRNAs in Hepatocellular Carcinoma. Journal of Cancer, 2018, 9, 3557-3569.	1.2	128
46	Understanding extracellular vesicle diversity â€“ current status. Expert Review of Proteomics, 2018, 15, 887-910.	1.3	118
47	Glioma Cell Secretion: A Driver of Tumor Progression and a Potential Therapeutic Target. Cancer Research, 2018, 78, 6031-6039.	0.4	11
48	Extracellular Vesicles and Matrix Remodeling Enzymes: The Emerging Roles in Extracellular Matrix Remodeling, Progression of Diseases and Tissue Repair. Cells, 2018, 7, 167.	1.8	129
49	PrEView of cellâ€“cell communication. Nature Reviews Molecular Cell Biology, 2018, 19, 752-753.	16.1	2
50	Extracellular Vesicles in Hepatobiliary Malignancies. Frontiers in Immunology, 2018, 9, 2270.	2.2	29
51	Putting EV into context: contextual factors influencing immune-related functions of extracellular vesicles (EV). Seminars in Immunopathology, 2018, 40, 421-424.	2.8	2
52	Phenotyping of circulating extracellular vesicles (EVs) in obesity identifies large EVs as functional conveyors of Macrophage Migration Inhibitory Factor. Molecular Metabolism, 2018, 18, 134-142.	3.0	40
53	Recent progress of porcine milk components and mammary gland function. Journal of Animal Science and Biotechnology, 2018, 9, 77.	2.1	72
54	Caveolin-1-containing extracellular vesicles transport adhesion proteins and promote malignancy in breast cancer cell lines. Nanomedicine, 2018, 13, 2597-2609.	1.7	58
55	Extracellular Vesicles: Decoding a New Language for Cellular Communication in Early Embryonic Development. Frontiers in Cell and Developmental Biology, 2018, 6, 94.	1.8	39
56	Extracellular Vesicle Characteristics in Î²-thalassemia as Potential Biomarkers for Spleen Functional Status and Ineffective Erythropoiesis. Frontiers in Physiology, 2018, 9, 1214.	1.3	24

#	Article	IF	Citations
57	Pancreatic ductal adenocarcinoma cell secreted extracellular vesicles containing ceramide-1-phosphate promote pancreatic cancer stem cell motility. Biochemical Pharmacology, 2018, 156, 458-466.	2.0	22
58	Characterization of selective exosomal microRNA expression profile derived from laryngeal squamous cell carcinoma detected by next generation sequencing. Oncology Reports, 2018, 40, 2584-2594.	1.2	40
59	Microenvironmental Influences on Extracellular Vesicle-Mediated Communication in the Lung. Trends in Molecular Medicine, 2018, 24, 963-975.	3.5	20
60	Abundantly Present miRNAs in Milk-Derived Extracellular Vesicles Are Conserved Between Mammals. Frontiers in Nutrition, 2018, 5, 81.	1.6	110
61	Mandible exosomal ssc-mir-133b regulates tooth development in miniature swine via endogenous apoptosis. Bone Research, 2018, 6, 28.	5.4	15
62	Blood exosomes regulate the tissue distribution of grapefruit-derived nanovector via CD36 and IGFR1 pathways. Theranostics, 2018, 8, 4912-4924.	4.6	53
63	Biological functions, regulatory mechanisms, and disease relevance of RNA localization pathways. FEBS Letters, 2018, 592, 2948-2972.	1.3	32
64	Intermediate compartment (IC): from pre-Golgi vacuoles to a semi-autonomous membrane system. Histochemistry and Cell Biology, 2018, 150, 407-430.	0.8	59
65	Neutrophil wrap. Nature Nanotechnology, 2018, 13, 1098-1099.	15.6	2
66	Helminth extracellular vesicles in hostâ€“parasite interactions. Current Opinion in Microbiology, 2018, 46, 73-79.	2.3	58
67	Nanomechanics of Extracellular Vesicles Reveals Vesiculation Pathways. Small, 2018, 14, e1801650.	5.2	48
68	Human cytomegalovirus-infected cells release extracellular vesicles that carry viral surface proteins. Virology, 2018, 524, 97-105.	1.1	33
69	Dendritic cells and routing cargo into exosomes. Immunology and Cell Biology, 2018, 96, 683-693.	1.0	55
70	Introduction to the Thematic Review Series on Extracellular Vesicles: a focus on the role of lipids. Journal of Lipid Research, 2018, 59, 1313-1315.	2.0	11
71	Extracellular vesicles: lipids as key components of their biogenesis and functions. Journal of Lipid Research, 2018, 59, 1316-1324.	2.0	208
72	Decellularized Extracellular Matrix Hydrogels as a Delivery Platform for MicroRNA and Extracellular Vesicle Therapeutics. Advanced Therapeutics, 2018, 1, 1800032.	1.6	26
73	Cellular and epigenetic drivers of stem cell ageing. Nature Reviews Molecular Cell Biology, 2018, 19, 594-610.	16.1	196
74	Phospholipase D and phosphatidic acid in the biogenesis and cargo loading of extracellular vesicles. Journal of Lipid Research, 2018, 59, 1554-1560.	2.0	65

#	Article	IF	Citations
75	ABCB6 Resides in Melanosomes and Regulates Early Steps of Melanogenesis Required for PMEL Amyloid Matrix Formation. Journal of Molecular Biology, 2018, 430, 3802-3818.	2.0	17
76	Stimulation of exosome release by extracellular <scp>DNA</scp> is conserved across multiple cell types. FEBS Journal, 2018, 285, 3114-3133.	2.2	45
77	Extracellular Vesicle Directed Exogenous Ion Channel Transport for Precise Manipulation of Biological Events. Bioconjugate Chemistry, 2018, 29, 2715-2722.	1.8	7
78	Miniaturized Biomedical Sensors for Enumeration of Extracellular Vesicles. International Journal of Molecular Sciences, 2018, 19, 2213.	1.8	13
79	Infection of Epsteinâ€“Barr Virus in Type III Latency Modulates Biogenesis of Exosomes and the Expression Profile of Exosomal miRNAs in the Burkitt Lymphoma Mutu Cell Lines. Cancers, 2018, 10, 237.	1.7	23
80	Cellular mechanisms and signals that coordinate plasma membrane repair. Cellular and Molecular Life Sciences, 2018, 75, 3751-3770.	2.4	72
81	Cannabidiol (CBD) Is a Novel Inhibitor for Exosome and Microvesicle (EMV) Release in Cancer. Frontiers in Pharmacology, 2018, 9, 889.	1.6	115
82	Exosomes and extracellular vesicles: the path forward. Essays in Biochemistry, 2018, 62, 119-124.	2.1	82
83	Emerging Role for Exosomes in the Progress of Stem Cell Research. American Journal of the Medical Sciences, 2018, 356, 481-486.	0.4	5
84	Cartilage Regeneration in Humans with Adipose Tissue-Derived Stem Cells and Adipose Stromal Vascular Fraction Cells: Updated Status. International Journal of Molecular Sciences, 2018, 19, 2146.	1.8	80
85	Trypanosomatid Infections: How Do Parasites and Their Excretedâ€“Secreted Factors Modulate the Inducible Metabolism of l-Arginine in Macrophages?. Frontiers in Immunology, 2018, 9, 778.	2.2	13
86	Toward Developing Chemical Modulators of Hsp60 as Potential Therapeutics. Frontiers in Molecular Biosciences, 2018, 5, 35.	1.6	87
87	Extracellular Vesicles Containing IL-4 Modulate Neuroinflammation in a Mouse Model of Multiple Sclerosis. Molecular Therapy, 2018, 26, 2107-2118.	3.7	93
88	Directed migration: Cells navigate by extracellular vesicles. Journal of Cell Biology, 2018, 217, 2613-2614.	2.3	12
89	Extracellular Vesicles as Conveyors of Membrane-Derived Bioactive Lipids in Immune System. International Journal of Molecular Sciences, 2018, 19, 1227.	1.8	67
90	Annexinsâ€”Coordinators of Cholesterol Homeostasis in Endocytic Pathways. International Journal of Molecular Sciences, 2018, 19, 1444.	1.8	48
91	Recent Progress in Isolation and Detection of Extracellular Vesicles for Cancer Diagnostics. Advanced Healthcare Materials, 2018, 7, e1800484.	3.9	106
92	Molecular and functional characterization of circulating extracellular vesicles from diabetic patients with and without retinopathy and healthy subjects. Experimental Eye Research, 2018, 176, 69-77.	1.2	63

#	Article	IF	Citations
93	In Search of Darwin's Imaginary Gemmules. Advances in Genetics, 2018, 101, 87-114.	0.8	9
94	Heart repair via cardiomyocyte-secreted vesicles. Nature Biomedical Engineering, 2018, 2, 271-272.	11.6	23
95	Characterization and applications of extracellular vesicle proteome with post-translational modifications. TrAC - Trends in Analytical Chemistry, 2018, 107, 21-30.	5.8	33
96	Small RNAs detected in exosomes derived from the MH7A synovial fibroblast cell line with TNF-Î± stimulation. PLoS ONE, 2018, 13, e0201851.	1.1	25
97	A morphoanatomical approach to the adaptive features of the epidermis and proboscis of a marine Polychaeta: Eulalia viridis (Phyllodocida: Phyllodocidae). Journal of Anatomy, 2018, 233, 567-579.	0.9	12
98	Circulating tumor DNA â€“ Current state of play and future perspectives. Pharmacological Research, 2018, 136, 35-44.	3.1	31
99	Cellâ€“cell communication via ciliary extracellular vesicles: clues from model systems. Essays in Biochemistry, 2018, 62, 205-213.	2.1	53
100	Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. Frontiers in Physiology, 2018, 9, 1169.	1.3	133
101	Single-Vesicle Assays Using Liposomes and Cell-Derived Vesicles: From Modeling Complex Membrane Processes to Synthetic Biology and Biomedical Applications. Chemical Reviews, 2018, 118, 8598-8654.	23.0	112
102	Role of hypoxia-induced exosomes in tumor biology. Molecular Cancer, 2018, 17, 120.	7.9	211
103	Vesicle-Cloaked Virus Clusters Are Optimal Units for Inter-organismal Viral Transmission. Cell Host and Microbe, 2018, 24, 208-220.e8.	5.1	209
104	Liquid Biopsy in Endometrial Cancer: New Opportunities for Personalized Oncology. International Journal of Molecular Sciences, 2018, 19, 2311.	1.8	70
105	WNT5A in Extracellular Vesicles. A New Frontier for Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1468-1470.	2.5	4
106	Plasma Exosomes Contribute to Microvascular Damage in Diabetic Retinopathy by Activating the Classical Complement Pathway. Diabetes, 2018, 67, 1639-1649.	0.3	85
107	Lack of chitin synthase genes impacts capsular architecture and cellular physiology in Cryptococcus neoformans. Cell Surface, 2018, 2, 14-23.	1.5	15
108	Ceramide and Exosomes: A Novel Target in Cancer Biology and Therapy. Advances in Cancer Research, 2018, 140, 121-154.	1.9	99
109	The role of exosomes in allograft immunity. Cellular Immunology, 2018, 331, 85-92.	1.4	23
110	High-Performance Chemical Isotope Labeling Liquid Chromatography Mass Spectrometry for Exosome Metabolomics. Analytical Chemistry, 2018, 90, 8314-8319.	3.2	72

#	Article	IF	Citations
111	Exosomal lipid composition and the role of ether lipids and phosphoinositides in exosome biology. Journal of Lipid Research, 2019, 60, 9-18.	2.0	418
112	MiRâ€4756 promotes albuminâ€induced renal tubular epithelial cell epithelialâ€toâ€mesenchymal transition and endoplasmic reticulum stress via targeting Sestrin2. Journal of Cellular Physiology, 2019, 234, 2905-2915.	2.0	39
113	Regulation of microRNA function inÂanimals. Nature Reviews Molecular Cell Biology, 2019, 20, 21-37.	16.1	1,556
114	Management of Tammâ€“Horsfall Protein for Reliable Urinary Analytics. Proteomics - Clinical Applications, 2019, 13, e1900018.	0.8	27
115	Comparison of methods to isolate proteins from extracellular vesicles for mass spectrometry-based proteomic analyses. Analytical Biochemistry, 2019, 584, 113390.	1.1	39
116	Extracellular Vesicles: Catching the Light in Zebrafish. Trends in Cell Biology, 2019, 29, 770-776.	3.6	38
117	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. Frontiers in Immunology, 2019, 10, 1634.	2.2	52
118	Intranasally Administered Exosomes from Umbilical Cord Stem Cells Have Preventive Neuroprotective Effects and Contribute to Functional Recovery after Perinatal Brain Injury. Cells, 2019, 8, 855.	1.8	87
119	Colon cancer cells secrete exosomes to promote self-proliferation by shortening mitosis duration and activation of STAT3 in a hypoxic environment. Cell and Bioscience, 2019, 9, 62.	2.1	41
120	N-glycosylation-defective splice variants of neuropilin-1 promote metastasis by activating endosomal signals. Nature Communications, 2019, 10, 3708.	5.8	34
121	Role of Horizontal Gene Transfer in Cancer Progression. , 2019, , 399-425.		0
122	Exosomes promote pre-metastatic niche formation in ovarian cancer. Molecular Cancer, 2019, 18, 124.	7.9	190
123	Generation and Function of Non-cell-bound CD73 in Inflammation. Frontiers in Immunology, 2019, 10, 1729.	2.2	43
124	The Pancreatic Cancer-Initiating Cell Marker CD44v6 Affects Transcription, Translation, and Signaling: Consequences for Exosome Composition and Delivery. Journal of Oncology, 2019, 2019, 1-24.	0.6	21
125	Extracellular vesicles circulating in young organisms promote healthy longevity. Journal of Extracellular Vesicles, 2019, 8, 1656044.	5.5	36
126	The Challenges and Possibilities of Extracellular Vesicles as Therapeutic Vehicles. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 50-56.	2.0	44
127	Extracellular miRNAs: From Biomarkers to Mediators of Physiology and Disease. Cell Metabolism, 2019, 30, 656-673.	7.2	511
128	Towards precision medicine: the role and potential of protein and peptide microarrays. Analyst, The, 2019, 144, 5353-5367.	1.7	14

#	Article	IF	Citations
129	An Omics Approach to Extracellular Vesicles from HIV-1 Infected Cells. Cells, 2019, 8, 787.	1.8	15
130	Neuroprotection mediated by cystatin C-loaded extracellular vesicles. Scientific Reports, 2019, 9, 11104.	1.6	27
131	A pleiotropic role for exosomes loaded with the amyloid Î² precursor protein carboxyl-terminal fragments in the brain of Down syndrome patients. Neurobiology of Aging, 2019, 84, 26-32.	1.5	10
132	Degron-tagged reporters probe membrane topology and enable the specific labelling of membrane-wrapped structures. Nature Communications, 2019, 10, 3490.	5.8	19
133	Insights on the Role of Putative Muscle-Derived Factors on Pancreatic Beta Cell Function. Frontiers in Physiology, 2019, 10, 1024.	1.3	12
134	Brief update on endocytosis of nanomedicines. Advanced Drug Delivery Reviews, 2019, 144, 90-111.	6.6	251
135	Transcriptional characterisation of the Exaiptasia pallida pedal disc. BMC Genomics, 2019, 20, 581.	1.2	10
136	Liquid Biopsy for the Detection of Resistance Mechanisms in NSCLC: Comparison of Different Blood Biomarkers. Journal of Clinical Medicine, 2019, 8, 998.	1.0	28
137	Rapid Lipid-Based Approach for Normalization of Quantum-Dot-Detected Biomarker Expression on Extracellular Vesicles in Complex Biological Samples. Nano Letters, 2019, 19, 7623-7631.	4.5	37
138	Multiple Roles of Exosomal Long Noncoding RNAs in Cancers. BioMed Research International, 2019, 2019, 1-12.	0.9	37
139	Extracellular vesicles: a new communication paradigm?. Nature Reviews Molecular Cell Biology, 2019, 20, 509-510.	16.1	298
140	Extracellular vesicles as a novel diagnostic and research tool for patients with HTN and kidney disease. American Journal of Physiology - Renal Physiology, 2019, 317, F641-F647.	1.3	12
141	The biology of extracellular vesicles: The known unknowns. PLoS Biology, 2019, 17, e3000363.	2.6	345
142	Magnetically Navigated Intracellular Delivery of Extracellular Vesicles Using Amphiphilic Nanogels. Bioconjugate Chemistry, 2019, 30, 2150-2155.	1.8	32
143	Exosomes and Their Role in Cancer Progression. Yonago Acta Medica, 2019, 62, 182-190.	0.3	85
144	Unravelling the Role of Trophoblastic-Derived Extracellular Vesicles in Regulatory T Cell Differentiation. International Journal of Molecular Sciences, 2019, 20, 3457.	1.8	28
145	Role of exosomes in tumour and transplant immune regulation. Scandinavian Journal of Immunology, 2019, 90, e12807.	1.3	21
146	Biological functions and clinical applications of exosomal non-coding RNAs in hepatocellular carcinoma. Cellular and Molecular Life Sciences, 2019, 76, 4203-4219.	2.4	51

#	Article	IF	Citations
147	Extracellular Vesicles in Cardiovascular Diseases: Alternative Biomarker Sources, Therapeutic Agents, and Drug Delivery Carriers. International Journal of Molecular Sciences, 2019, 20, 3272.	1.8	81
148	Extracellular Vesicles and Their Potential Use in Monitoring Cancer Progression and Therapy: The Contribution of Proteomics. Journal of Oncology, 2019, 2019, 1-19.	0.6	64
149	Emerging Role of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Pathogenesis of Haematological Malignancies. Stem Cells International, 2019, 2019, 1-12.	1.2	19
150	The relationship between molecular content of mesenchymal stem cells derived exosomes and their potentials: Opening the way for exosomes based therapeutics. Biochimie, 2019, 165, 76-89.	1.3	32
151	Extracellular vesicles from human bone marrow mesenchymal stem cells repair organ damage caused by cadmium poisoning in a medaka model. Physiological Reports, 2019, 7, e14172.	0.7	15
152	Vps28 Is Involved in the Intracellular Trafficking of Awd, the Drosophila Homolog of NME1/2. Frontiers in Physiology, 2019, 10, 983.	1.3	4
153	Development of a quantitative method to measure EV uptake. Scientific Reports, 2019, 9, 10522.	1.6	37
154	Secreted Monocyte miR-27a, via Mesenteric Arterial Mas Receptor-eNOS Pathway, Causes Hypertension. American Journal of Hypertension, 2019, 33, 31-42.	1.0	23
155	Bioinspired and Biomimetic Nanotherapies for the Treatment of Infectious Diseases. Frontiers in Pharmacology, 2019, 10, 751.	1.6	68
156	The generation and use of recombinant extracellular vesicles as biological reference material. Nature Communications, 2019, 10, 3288.	5.8	96
157	Extracellular vesicles derived from ODN-stimulated macrophages transfer and activate Cdc42 in recipient cells and thereby increase cellular permissiveness to EV uptake. Science Advances, 2019, 5, eaav1564.	4.7	26
158	Metabolome of Exosomes: Focus on Vesicles Released by Cancer Cells and Present in Human Body Fluids. International Journal of Molecular Sciences, 2019, 20, 3461.	1.8	65
159	The biological functions and clinical applications of exosomes in lung cancer. Cellular and Molecular Life Sciences, 2019, 76, 4613-4633.	2.4	90
160	Potential Role of Exosomes in Cancer Metastasis. BioMed Research International, 2019, 2019, 1-12.	0.9	64
161	Non-invasive screening of a microRNA-based dysregulation signature in oral cancer and oral potentially malignant disorders. Oral Oncology, 2019, 96, 113-120.	0.8	31
162	Exosomal CagA derived from Helicobacter pylori-infected gastric epithelial cells induces macrophage foam cell formation and promotes atherosclerosis. Journal of Molecular and Cellular Cardiology, 2019, 135, 40-51.	0.9	52
163	Ionizing Radiation Increases the Activity of Exosomal Secretory Pathway in MCF-7 Human Breast Cancer Cells: A Possible Way to Communicate Resistance against Radiotherapy. International Journal of Molecular Sciences, 2019, 20, 3649.	1.8	73
164	Extracellular Vesicle-Induced Differentiation of Neural Stem Progenitor Cells. International Journal of Molecular Sciences, 2019, 20, 3691.	1.8	31

#	Article	IF	Citations
165	The emerging roles of extracellular vesicles in diabetes and diabetic complications. Clinica Chimica Acta, 2019, 497, 130-136.	0.5	12
166	Nondestructive Characterization of Stem Cell Neurogenesis by a Magneto-Plasmonic Nanomaterial-Based Exosomal miRNA Detection. ACS Nano, 2019, 13, 8793-8803.	7.3	65
167	Nano-bio interactions: a neutrophil-centric view. Cell Death and Disease, 2019, 10, 569.	2.7	64
168	Cell Intrinsic and Extrinsic Mechanisms of Caveolin-1-Enhanced Metastasis. Biomolecules, 2019, 9, 314.	1.8	38
169	Metabolic Syndrome Induces Release of Smaller Extracellular Vesicles from Porcine Mesenchymal Stem Cells. Cell Transplantation, 2019, 28, 1271-1278.	1.2	20
170	Plasma-derived extracellular vesicles yield predictive markers of cranial irradiation exposure in mice. Scientific Reports, 2019, 9, 9460.	1.6	19
171	Extracellular Vesicles: Subcellular Organelles With the Potential to Spread Cancer Resistance. Anticancer Research, 2019, 39, 3395-3404.	0.5	17
172	Subclonal cooperation rewrites metastasis. Nature Cell Biology, 2019, 21, 797-798.	4.6	2
173	Nicotinamide phosphoribosyltransferase secreted from microglia via exosome during ischemic injury. Journal of Neurochemistry, 2019, 150, 723-737.	2.1	28
174	New insights into extracellular vesicle biogenesis and function. Journal of Cell Science, 2019, 132, .	1.2	152
175	Cell derived extracellular vesicles: from isolation to functionalization and biomedical applications. Biomaterials Science, 2019, 7, 3552-3565.	2.6	15
176	Extracellular Vesicles Enhance Multiple Myeloma Metastatic Dissemination. International Journal of Molecular Sciences, 2019, 20, 3236.	1.8	38
178	Tumor-derived extracellular vesicles: molecular parcels that enable regulation of the immune response in cancer. Journal of Cell Science, 2019, 132, .	1.2	52
179	Cancer cell-type tropism is one of crucial determinants for the efficient systemic delivery of cancer cell-derived exosomes to tumor tissues. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 145, 27-34.	2.0	44
180	Exosomal miRNAâ€1231 derived from bone marrow mesenchymal stem cells inhibits the activity of pancreatic cancer. Cancer Medicine, 2019, 8, 7728-7740.	1.3	74
181	Glia-derived exosomes: Promising therapeutic targets. Life Sciences, 2019, 239, 116951.	2.0	16
182	Exosomes and STUB1/CHIP cooperate to maintain intracellular proteostasis. PLoS ONE, 2019, 14, e0223790.	1.1	14
183	HTLV-1 Extracellular Vesicles Promote Cell-to-Cell Contact. Frontiers in Microbiology, 2019, 10, 2147.	1.5	46

#	Article	IF	Citations
184	Circulating exosomal miRNAs: clinical significance in human cancers. Expert Review of Molecular Diagnostics, 2019, 19, 979-995.	1.5	28
185	Impact of Chemotherapy on Extracellular Vesicles: Understanding the Chemo-EVs. Frontiers in Oncology, 2019, 9, 1113.	1.3	36
186	Small Extracellular Vesicles Released from Ovarian Cancer Spheroids in Response to Cisplatin Promote the Pro-Tumorigenic Activity of Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2019, 20, 4972.	1.8	33
187	Thermally Assisted Acoustofluidic Separation Based on Membrane Protein Content. Analytical Chemistry, 2019, 91, 13953-13961.	3.2	3
188	Concentrates of two subsets of extracellular vesicles from cowâ€™s milk modulate symptoms and inflammation in experimental colitis. Scientific Reports, 2019, 9, 14661.	1.6	39
189	Extracellular Vesicles in Cancer Immune Microenvironment and Cancer Immunotherapy. Advanced Science, 2019, 6, 1901779.	5.6	179
190	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. Nature Biomedical Engineering, 2019, 3, 183-193.	11.6	324
191	Label-Free Exosomal Detection and Classification in Rapid Discriminating Different Cancer Types Based on Specific Raman Phenotypes and Multivariate Statistical Analysis. Molecules, 2019, 24, 2947.	1.7	20
192	Exosomes Derived From MicroRNA-148b-3p-Overexpressing Human Umbilical Cord Mesenchymal Stem Cells Restrain Breast Cancer Progression. Frontiers in Oncology, 2019, 9, 1076.	1.3	69
193	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. Journal of Extracellular Vesicles, 2019, 8, 1684862.	5.5	177
194	Exosomal non-coding RNAs (Exo-ncRNAs) in cardiovascular health. Journal of Molecular and Cellular Cardiology, 2019, 137, 143-151.	0.9	13
195	The opportunistic effect of exosomes on Non-Hodgkin Lymphoma microenvironment modulation. Critical Reviews in Oncology/Hematology, 2019, 144, 102825.	2.0	9
196	Multivesicular bodies containing exosomes in immune-related cells of the intestine in zebrafish (Danio rerio): Ultrastructural evidence. Fish and Shellfish Immunology, 2019, 95, 644-649.	1.6	6
197	Fast isolation of highly specific population of platelet-derived extracellular vesicles from blood plasma by affinity monolithic column, immobilized with anti-human CD61 antibody. Analytica Chimica Acta, 2019, 1091, 160-168.	2.6	43
198	Lipidomic analysis of urinary exosomes from hereditary Î±â€tryptasemia patients and healthy volunteers. FASEB BioAdvances, 2019, 1, 624-638.	1.3	21
199	Physiologic expansion of human heart-derived cells enhances therapeutic repair of injured myocardium. Stem Cell Research and Therapy, 2019, 10, 316.	2.4	11
200	Exosomes in Coronary Artery Disease. International Journal of Biological Sciences, 2019, 15, 2461-2470.	2.6	39
201	Targeting the Immune System With Mesenchymal Stromal Cell-Derived Extracellular Vesicles: What Is the Cargo's Mechanism of Action?. Frontiers in Bioengineering and Biotechnology, 2019, 7, 308.	2.0	33

#	Article	IF	Citations
202	The Yin and Yang of the Bone Marrow Microenvironment: Pros and Cons of Mesenchymal Stromal Cells in Acute Myeloid Leukemia. Frontiers in Oncology, 2019, 9, 1135.	1.3	30
203	Cell-Free Nucleic Acids. International Journal of Molecular Sciences, 2019, 20, 5645.	1.8	5
204	HIV-1-infected cell-derived exosomes promote the growth and progression of cervical cancer. International Journal of Biological Sciences, 2019, 15, 2438-2447.	2.6	28
205	Microvesicles as new therapeutic targets for the treatment of the acute respiratory distress syndrome (ARDS). Expert Opinion on Therapeutic Targets, 2019, 23, 931-941.	1.5	2
206	How HIV Nef Proteins Hijack Membrane Traffic To Promote Infection. Journal of Virology, 2019, 93, .	1.5	41
207	Endosomal escape enhancing compounds facilitate functional delivery of extracellular vesicle cargo. Nanomedicine, 2019, 14, 2799-2814.	1.7	47
208	Endothelial Dysfunction in Primary Aldosteronism. International Journal of Molecular Sciences, 2019, 20, 5214.	1.8	44
209	Engineering Stateâ€ofâ€theâ€Art Plasmonic Nanomaterials for SERSâ€Based Clinical Liquid Biopsy Applications. Advanced Science, 2019, 6, 1900730.	5.6	112
210	Langerhans Cells Spy on Keratinocytes. Journal of Investigative Dermatology, 2019, 139, 2260-2262.	0.3	4
211	A safe ride in extracellular vesicles â€“ small RNA trafficking between plant hosts and pathogens. Current Opinion in Plant Biology, 2019, 52, 140-148.	3.5	44
212	Earlyâ€onset sarcoidosis presenting as a generalized papular eruption. Journal of Dermatology, 2019, 46, e477-e478.	0.6	1
213	Exosomal miRNA: Small Molecules, Big Impact in Colorectal Cancer. Journal of Oncology, 2019, 2019, 1-18.	0.6	34
214	Leukocyte-Derived Extracellular Vesicles in Blood with and without EpCAM Enrichment. Cells, 2019, 8, 937.	1.8	11
215	Intranasal Delivery of Mesenchymal Stem Cell Derived Exosomes Loaded with Phosphatase and Tensin Homolog siRNA Repairs Complete Spinal Cord Injury. ACS Nano, 2019, 13, 10015-10028.	7.3	246
216	Reactive Oxygen Species (ROS), Intimal Thickening, and Subclinical Atherosclerotic Disease. Frontiers in Cardiovascular Medicine, 2019, 6, 89.	1.1	74
217	Understanding the Coacervate-to-Vesicle Transition of Globular Fusion Proteins to Engineer Protein Vesicle Size and Membrane Heterogeneity. Biomacromolecules, 2019, 20, 3494-3503.	2.6	37
218	Mapping Subpopulations of Cancer Cell-Derived Extracellular Vesicles and Particles by Nano-Flow Cytometry. ACS Nano, 2019, 13, 10499-10511.	7.3	148
219	SILAC-Based Quantification of TGFBR2-Regulated Protein Expression in Extracellular Vesicles of Microsatellite Unstable Colorectal Cancers. International Journal of Molecular Sciences, 2019, 20, 4162.	1.8	13

#	Article	IF	Citations
220	Extracellular Vesicles in Mycobacterial Infections: Their Potential as Molecule Transfer Vectors. Frontiers in Immunology, 2019, 10, 1929.	2.2	24
221	Differential Effects of Extracellular Vesicles of Lineage-Specific Human Pluripotent Stem Cells on the Cellular Behaviors of Isogenic Cortical Spheroids. Cells, 2019, 8, 993.	1.8	29
222	Tâ€cellâ€“derived extracellular vesicles regulate Bâ€cell IgG productionviapyruvate kinase muscle isozyme 2. FASEB Journal, 2019, 33, 12780-12799.	0.2	14
223	Perivascular adipose tissueâ€“derived extracellular vesicle miRâ€221â€3p mediates vascular remodeling. FASEB Journal, 2019, 33, 12704-12722.	0.2	76
224	Recent advances of exosomes in immune-mediated eye diseases. Stem Cell Research and Therapy, 2019, 10, 278.	2.4	61
225	Chronic myelogenous leukemia cells remodel the bone marrow niche via exosome-mediated transfer of miR-320. Theranostics, 2019, 9, 5642-5656.	4.6	61
226	3D cell culture stimulates the secretion of in vivo like extracellular vesicles. Scientific Reports, 2019, 9, 13012.	1.6	159
227	DNA analysis of lowâ€•and highâ€density fractions defines heterogeneous subpopulations of small extracellular vesicles based on their DNA cargo and topology. Journal of Extracellular Vesicles, 2019, 8, 1656993.	5.5	126
228	Biological surface properties in extracellular vesicles and their effect on cargo proteins. Scientific Reports, 2019, 9, 13048.	1.6	28
229	Stem cell derived exosomes: microRNA therapy for age-related musculoskeletal disorders. Biomaterials, 2019, 224, 119492.	5.7	45
230	Liquid biopsies in pancreatic cancer. Expert Review of Anticancer Therapy, 2019, 19, 869-878.	1.1	24
231	Toxicant and teratogenic effects of prenatal alcohol. Current Opinion in Toxicology, 2019, 14, 29-34.	2.6	8
232	Biomarkers and smart intracranial devices for the diagnosis, treatment, and monitoring of high-grade gliomas: a review of the literature and future prospects. Neuro-Oncology Advances, 2019, 1, vdz013.	0.4	2
233	Optimal Isolation Method of Small Extracellular Vesicles from Rat Plasma. International Journal of Molecular Sciences, 2019, 20, 4780.	1.8	10
234	The Role of Exo-miRNAs in Cancer: A Focus on Therapeutic and Diagnostic Applications. International Journal of Molecular Sciences, 2019, 20, 4687.	1.8	111
235	Fragmented mitochondria released from microglia trigger A1 astrocytic response and propagate inflammatory neurodegeneration. Nature Neuroscience, 2019, 22, 1635-1648.	7.1	346
236	Linkage between endosomal escape of LNP-mRNA and loading into EVs for transport to other cells. Nature Communications, 2019, 10, 4333.	5.8	211
237	Lymphocyte nadir predicts tumor response and survival in locally advanced rectal cancer after neoadjuvant chemoradiotherapy: Immunologic relevance. Radiotherapy and Oncology, 2019, 131, 52-59.	0.3	23

#	Article	IF	Citations
238	Exosome origin determines cell targeting and the transfer of therapeutic nanoparticles towards target cells. Journal of Nanobiotechnology, 2019, 17, 16.	4.2	162
239	Anti-Cancer Vaccine for HPV-Associated Neoplasms: Focus on a Therapeutic HPV Vaccine Based on a Novel Tumor Antigen Delivery Method Using Endogenously Engineered Exosomes. Cancers, 2019, 11, 138.	1.7	30
240	Extracellular Vesicles as Vehicles for the Delivery of Food Bioactives. Journal of Agricultural and Food Chemistry, 2019, 67, 2113-2119.	2.4	24
241	Manufacturing of primed mesenchymal stromal cells for therapy. Nature Biomedical Engineering, 2019, 3, 90-104.	11.6	245
242	Washing or filtering of blood products does not improve outcome in a rat model of trauma and multiple transfusion. Transfusion, 2019, 59, 134-145.	0.8	9
243	Exosomes â€" beyond stem cells for restorative therapy in stroke and neurological injury. Nature Reviews Neurology, 2019, 15, 193-203.	4.9	353
244	Autologous cancer cell-derived extracellular vesicles as drug-delivery systems: a systematic review of preclinical and clinical findings and translational implications. Nanomedicine, 2019, 14, 493-509.	1.7	16
245	Mechanisms Underlying the Visual Benefit of Cell Transplantation for the Treatment of Retinal Degenerations. International Journal of Molecular Sciences, 2019, 20, 557.	1.8	8
246	IGF-1 and cardiovascular disease. Growth Hormone and IGF Research, 2019, 45, 6-16.	0.5	88
247	Circulating Y-RNAs in Extracellular Vesicles and Ribonucleoprotein Complexes; Implications for the Immune System. Frontiers in Immunology, 2018, 9, 3164.	2.2	68
248	Therapeutic efficacy of intra-articular delivery of encapsulated human mesenchymal stem cells on early stage osteoarthritis. , 2019, 37, 42-59.		23
249	The functional roles of exosomal long non-coding RNAs in cancer. Cellular and Molecular Life Sciences, 2019, 76, 2059-2076.	2.4	100
250	Microvesicles from human adipose stem cells promote wound healing by optimizing cellular functions via AKT and ERK signaling pathways. Stem Cell Research and Therapy, 2019, 10, 47.	2.4	186
251	Imprinted MicroRNA Gene Clusters in the Evolution, Development, and Functions of Mammalian Placenta. Frontiers in Genetics, 2018, 9, 706.	1.1	67
252	Recent Progress on Liquid Biopsy Analysis using Surface-Enhanced Raman Spectroscopy. Theranostics, 2019, 9, 491-525.	4.6	114
253	Exosomes from human adiposeâ€derived stem cells promote sciatic nerve regeneration via optimizing Schwann cell function. Journal of Cellular Physiology, 2019, 234, 23097-23110.	2.0	85
254	The ESCRT-machinery: closing holes and expanding roles. Current Opinion in Cell Biology, 2019, 59, 121-132.	2.6	108
255	Application of Microfluidic Chips in Separation and Analysis of Extracellular Vesicles in Liquid Biopsy for Cancer. Micromachines, 2019, 10, 390.	1.4	25

#	Article	IF	Citations
256	Exosomes-Associated DNAâ€"New Marker in Pregnancy Complications?. International Journal of Molecular Sciences, 2019, 20, 2890.	1.8	43
257	Polyunsaturated fatty acids modify the extracellular vesicle membranes and increase the production of proresolving lipid mediators of human mesenchymal stromal cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1350-1362.	1.2	24
258	Comparison of the effects of adipose tissue mesenchymal stromal cell-derived exosomes with conditioned media on neutrophil function and apoptosis. International Immunopharmacology, 2019, 74, 105689.	1.7	36
259	Beyond adiponectin and leptin: adipose tissue-derived mediators of inter-organ communication. Journal of Lipid Research, 2019, 60, 1648-1697.	2.0	197
260	Exosomes from CD99-deprived Ewing sarcoma cells reverse tumor malignancy by inhibiting cell migration and promoting neural differentiation. Cell Death and Disease, 2019, 10, 471.	2.7	23
261	Quantifying murine placental extracellular vesicles across gestation and in preterm birth data with tidyNano: A computational framework for analyzing and visualizing nanoparticle data in R. PLoS ONE, 2019, 14, e0218270.	1.1	16
262	Biology and Role of Extracellular Vesicles (EVs) in the Pathogenesis of Thrombosis. International Journal of Molecular Sciences, 2019, 20, 2840.	1.8	114
263	The Influence of Surface Wettability and Topography on the Bioactivity of TiO2/Epoxy Coatings on AISI 316L Stainless Steel. Materials, 2019, 12, 1877.	1.3	32
264	Emerging roles of extracellular vesicles in neurodegenerative disorders. Neurobiology of Disease, 2019, 130, 104512.	2.1	78
265	Extracellular vesicles in type 2 diabetes mellitus: key roles in pathogenesis, complications, and therapy. Journal of Extracellular Vesicles, 2019, 8, 1625677.	5.5	88
266	Extracellular vesicles carry cellulases in the industrial fungus Trichoderma reesei. Biotechnology for Biofuels, 2019, 12, 146.	6.2	51
267	Tumor-derived extracellular vesicles in breast cancer: From bench to bedside. Cancer Letters, 2019, 460, 54-64.	3.2	48
268	An ARF6â€"Exportin-5 axis delivers pre-miRNA cargo to tumour microvesicles. Nature Cell Biology, 2019, 21, 856-866.	4.6	101
269	Tumour vesicular micromachinery uncovered. Nature Cell Biology, 2019, 21, 795-797.	4.6	5
270	Lysosome-related organelles as functional adaptations of the endolysosomal system. Current Opinion in Cell Biology, 2019, 59, 147-158.	2.6	92
271	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. Journal of Extracellular Vesicles, 2019, 8, 1621131.	5.5	78
272	Extracellular Vesicles as Biomarkers and Biovectors in Primary Aldosteronism. Hypertension, 2019, 74, 250-252.	1.3	6
273	Salivary Extracellular Vesicle-Associated exRNA as Cancer Biomarker. Cancers, 2019, 11, 891.	1.7	37

#	Article	IF	Citations
274	Layerâ€byâ€Layer Assembly: Recent Progress from Layered Assemblies to Layered Nanoarchitectonics. Chemistry - an Asian Journal, 2019, 14, 2553-2566.	1.7	113
275	Cas9 Ribonucleoprotein Complex Delivery: Methods and Applications for Neuroinflammation. Journal of NeuroImmune Pharmacology, 2019, 14, 565-577.	2.1	10
276	Endolysosome and Autolysosome Dysfunction in Alzheimerâ€™s Disease: Where Intracellular and Extracellular Meet. CNS Drugs, 2019, 33, 639-648.	2.7	23
277	A catalytic molecule machine-driven biosensing method for amplified electrochemical detection of exosomes. Biosensors and Bioelectronics, 2019, 141, 111397.	5.3	76
278	The Enteric Nervous System for Epithelial Researchers: Basic Anatomy, Techniques, and Interactions With the Epithelium. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 369-378.	2.3	38
279	Different Types of Cellular Stress Affect the Proteome Composition of Small Extracellular Vesicles: A Mini Review. Proteomes, 2019, 7, 23.	1.7	32
280	The Role of Extracellular Vesicles as Modulators of the Tumor Microenvironment, Metastasis and Drug Resistance in Colorectal Cancer. Cancers, 2019, 11, 746.	1.7	42
281	Localized injection of miRNA-21-enriched extracellular vesicles effectively restores cardiac function after myocardial infarction. Theranostics, 2019, 9, 2346-2360.	4.6	134
282	miR-22-5p and miR-29a-5p Are Reliable Reference Genes for Analyzing Extracellular Vesicle-Associated miRNAs in Adipose-Derived Mesenchymal Stem Cells and Are Stable under Inflammatory Priming Mimicking Osteoarthritis Condition. Stem Cell Reviews and Reports, 2019, 15, 743-754.	1.7	17
283	Molecular Profiling and Functional Analysis of Macrophage-Derived Tumor Extracellular Vesicles. Cell Reports, 2019, 27, 3062-3080.e11.	2.9	118
284	Extracellular vesicles from CLEC2-activated platelets enhance dengue virus-induced lethality via CLEC5A/TLR2. Nature Communications, 2019, 10, 2402.	5.8	147
285	Cilia and development. Current Opinion in Genetics and Development, 2019, 56, 15-21.	1.5	37
286	Platelets, endothelial cells and leukocytes contribute to the exerciseâ€triggered release of extracellular vesicles into the circulation. Journal of Extracellular Vesicles, 2019, 8, 1615820.	5.5	163
287	The cell biology of the hepatocyte: A membrane trafficking machine. Journal of Cell Biology, 2019, 218, 2096-2112.	2.3	106
288	The Role of Extracellular Vesicles in Cutaneous Remodeling and Hair Follicle Dynamics. International Journal of Molecular Sciences, 2019, 20, 2758.	1.8	48
289	Neuron-Astrocyte Metabolic Coupling Protects against Activity-Induced Fatty Acid Toxicity. Cell, 2019, 177, 1522-1535.e14.	13.5	350
290	Microfluidic analysis of circulating tumor cells and tumor-derived extracellular vesicles. TrAC - Trends in Analytical Chemistry, 2019, 117, 128-145.	5.8	53
291	Dark side of the epididymis: tails of sperm maturation. Andrology, 2019, 7, 566-580.	1.9	20

#	Article	IF	Citations
292	Mitochondria Are a Subset of Extracellular Vesicles Released by Activated Monocytes and Induce Type I IFN and TNF Responses in Endothelial Cells. Circulation Research, 2019, 125, 43-52.	2.0	177
293	Mesenchymal stem cellâ€“derived extracellular vesicles: a new impetus of promoting angiogenesis in tissue regeneration. Cytotherapy, 2019, 21, 497-508.	0.3	38
294	Extracellular vesicle fibrinogen induces encephalitogenic CD8+ T cells in a mouse model of multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10488-10493.	3.3	54
295	Formation of the Immunosuppressive Microenvironment of Classic Hodgkin Lymphoma and Therapeutic Approaches to Counter It. International Journal of Molecular Sciences, 2019, 20, 2416.	1.8	36
296	The Missing Link: How Exosomes and miRNAs can Help in Bridging Psychiatry and Molecular Biology in the Context of Depression, Bipolar Disorder and Schizophrenia. Cellular and Molecular Neurobiology, 2019, 39, 729-750.	1.7	52
297	Concentration of extracellular vesicles isolated from blood relative to the clinical pathological status of dogs with mast cell tumours. Veterinary and Comparative Oncology, 2019, 17, 456-464.	0.8	9
298	The exosome as a novel predictive/diagnostic biomarker of rejection in the field of transplantation. Clinical Immunology, 2019, 203, 134-141.	1.4	29
299	Role of extracellular vesicles in stem cell biology. American Journal of Physiology - Cell Physiology, 2019, 317, C303-C313.	2.1	44
300	Diversity and heterogeneity of extracellular RNA in human plasma. Biochimie, 2019, 164, 22-36.	1.3	26
301	Nanotechnology Meets Oncology: Nanomaterials in Brain Cancer Research, Diagnosis and Therapy. Materials, 2019, 12, 1588.	1.3	95
302	Extracellular Vesicles Derived from Lactobacillus plantarum Increase BDNF Expression in Cultured Hippocampal Neurons and Produce Antidepressant-like Effects in Mice. Experimental Neurobiology, 2019, 28, 158-171.	0.7	78
303	En bloc release of MVBâ€like small extracellular vesicle clusters by colorectal carcinoma cells. Journal of Extracellular Vesicles, 2019, 8, 1596668.	5.5	29
304	Extracellular Vesicles and Prospects of Their Use for Tissue Regeneration. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2019, 13, 1-11.	0.3	2
305	Human Umbilical Cord Mesenchymal Stem Cell-Derived Extracellular Vesicles Inhibit Endometrial Cancer Cell Proliferation and Migration through Delivery of Exogenous miR-302a. Stem Cells International, 2019, 2019, 1-11.	1.2	58
306	Exosome-Mediated Metastasis: Communication from a Distance. Developmental Cell, 2019, 49, 347-360.	3.1	802
307	Evaluation of osteoclast-derived exosomal miRNA under simulated microgravity conditions using next-generation sequencing. Acta Astronautica, 2019, 161, 75-86.	1.7	7
308	Ultrasensitive detection of cancer biomarkers by nickel-based isolation of polydisperse extracellular vesicles from blood. EBioMedicine, 2019, 43, 114-126.	2.7	40
309	Proteomic characterisation of leech microglia extracellular vesicles (EVs): comparison between differential ultracentrifugation and Optiprepâ„¢ density gradient isolation. Journal of Extracellular Vesicles, 2019, 8, 1603048.	5.5	48

#	Article	IF	Citations
310	Extracellular Vesicles in the Oviduct: Progress, Challenges and Implications for the Reproductive Success. Bioengineering, 2019, 6, 32.	1.6	51
311	Exosomes, metastases, and the miracle of cancer stem cell markers. Cancer and Metastasis Reviews, 2019, 38, 259-295.	2.7	33
312	Exosomes derived from umbilical cord mesenchymal stem cells reduce microglia-mediated neuroinflammation in perinatal brain injury. Stem Cell Research and Therapy, 2019, 10, 105.	2.4	190
313	Identification and Analysis of Exosomes by Surface-Enhanced Raman Spectroscopy. Applied Sciences (Switzerland), 2019, 9, 1135.	1.3	33
314	Fully Automated, Label-Free Isolation of Extracellular Vesicles from Whole Blood for Cancer Diagnosis and Monitoring. Theranostics, 2019, 9, 1851-1863.	4.6	74
315	Effects of Localization of Antigen Proteins in Antigen-Loaded Exosomes on Efficiency of Antigen Presentation. Molecular Pharmaceutics, 2019, 16, 2309-2314.	2.3	20
316	In vivo multivesicular bodies and their exosomes in the absorptive cells of the zebrafish (Danio Rerio) gut. Fish and Shellfish Immunology, 2019, 88, 578-586.	1.6	16
317	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. Lab on A Chip, 2019, 19, 1114-1140.	3.1	70
318	Curcumin-primed exosomes potently ameliorate cognitive function in AD mice by inhibiting hyperphosphorylation of the Tau protein through the AKT/GSK-3Î² pathway. Nanoscale, 2019, 11, 7481-7496.	2.8	202
319	Message in a vesicle â€“ trans-kingdom intercommunication at the vectorâ€“host interface. Journal of Cell Science, 2019, 132, .	1.2	27
320	Non-canonical processes that shape the cell migration landscape. Current Opinion in Cell Biology, 2019, 57, 123-134.	2.6	12
321	Immune Cell-Derived Extracellular Vesicles â€“ Functions and Therapeutic Applications. Trends in Molecular Medicine, 2019, 25, 382-394.	3.5	188
322	Extracellular Vesicles Secreted in Response to Cytokine Exposure Increase Mitochondrial Oxygen Consumption in Recipient Cells. Frontiers in Cellular Neuroscience, 2019, 13, 51.	1.8	21
323	Neuronanomedicine: An Up-to-Date Overview. Pharmaceutics, 2019, 11, 101.	2.0	54
324	Adipose-derived stem cell extracellular vesicles: A systematic reviewâœ°. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2019, 72, 1207-1218.	0.5	31
325	Extracellular Vesicles Long RNA Sequencing Reveals Abundant mRNA, circRNA, and lncRNA in Human Blood as Potential Biomarkers for Cancer Diagnosis. Clinical Chemistry, 2019, 65, 798-808.	1.5	174
326	Extracellular Vesicles Mediate Mesenchymal Stromal Cell-Dependent Regulation of B Cell PI3K-AKT Signaling Pathway and Actin Cytoskeleton. Frontiers in Immunology, 2019, 10, 446.	2.2	73
327	Challenges and opportunities in exosome researchâ€”Perspectives from biology, engineering, and cancer therapy. APL Bioengineering, 2019, 3, 011503.	3.3	327

#	Article	IF	Citations
328	Liquid Biopsy in Solid Malignancy. Genetic Testing and Molecular Biomarkers, 2019, 23, 284-296.	0.3	13
329	Extracellular Vesicles from Mesenchymal Stem Cells Exert Pleiotropic Effects on Amyloidâ€Î², Inflammation, and Regeneration: A Spark of Hope for Alzheimer's Disease from Tiny Structures?. BioEssays, 2019, 41, e1800199.	1.2	29
330	Extracellular vesicle isolation methods: rising impact of size-exclusion chromatography. Cellular and Molecular Life Sciences, 2019, 76, 2369-2382.	2.4	224
331	Target Site Delivery and Residence of Nanomedicines: Application of Quantitative Systems Pharmacology. Pharmacological Reviews, 2019, 71, 157-169.	7.1	22
332	Cannabinoid Signaling in the Skin: Therapeutic Potential of the â€œC(ut)annabinoidâ€•System. Molecules, 2019, 24, 918.	1.7	134
333	Optimization of cell culture conditions for exosome isolation using mini-size exclusion chromatography (mini-SEC). Experimental Cell Research, 2019, 378, 149-157.	1.2	66
334	Extracellular vesicles induce minimal hepatotoxicity and immunogenicity. Nanoscale, 2019, 11, 6990-7001.	2.8	118
335	Nonproteinaceous effectors: the terra incognita of plantâ€“fungal interactions. New Phytologist, 2019, 223, 590-596.	3.5	68
336	The role of exosomal noncoding RNAs in cancer. Molecular Cancer, 2019, 18, 37.	7.9	178
337	Protein-based vehicles for biomimetic RNAi delivery. Journal of Biological Engineering, 2019, 13, 19.	2.0	9
338	Exosome-based nanocarriers as bio-inspired and versatile vehicles for drug delivery: recent advances and challenges. Journal of Materials Chemistry B, 2019, 7, 2421-2433.	2.9	105
339	The current and emerging therapeutic approaches in drug-resistant epilepsy management. Acta Neurologica Belgica, 2019, 119, 155-162.	0.5	27
340	Dictyostelium: A Model for Studying the Extracellular Vesicle Messengers Involved in Human Health and Disease. Cells, 2019, 8, 225.	1.8	17
341	Towards Self-Transfecting Nucleic Acid Nanostructures for Gene Regulation. Trends in Biotechnology, 2019, 37, 983-994.	4.9	15
342	Isolation and Characterization of Extracellular Vesicles Derived from Trypanosoma cruzi. Methods in Molecular Biology, 2019, 1955, 89-104.	0.4	10
343	Extracellular vesicle-based therapeutics: natural versus engineered targeting and trafficking. Experimental and Molecular Medicine, 2019, 51, 1-12.	3.2	426
344	MicroRNAs and Long Non-Coding RNAs and Their Hormone-Like Activities in Cancer. Cancers, 2019, 11, 378.	1.7	37
345	The role of extracellular vesicles from different origin in the microenvironment of head and neck cancers. Molecular Cancer, 2019, 18, 83.	7.9	85

#	Article	IF	Citations
346	Transfer of Functional Cargo in Exomeres. Cell Reports, 2019, 27, 940-954.e6.	2.9	255
347	Manipulation of bio-micro/nanoparticles in non-Newtonian microflows. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	31
348	Rutile nanoâ€“bio-interactions mediate dissimilar intracellular destiny in human skin cells. Nanoscale Advances, 2019, 1, 2216-2228.	2.2	8
349	Extracellular Vesicle as a Source of Alzheimerâ€™s Biomarkers: Opportunities and Challenges. International Journal of Molecular Sciences, 2019, 20, 1728.	1.8	86
350	A new level of complexity in parasite-host interaction: The role of extracellular vesicles. Advances in Parasitology, 2019, 104, 39-112.	1.4	25
351	JC Polyomavirus Uses Extracellular Vesicles To Infect Target Cells. MBio, 2019, 10, .	1.8	71
352	Extracellular Vesicles: Exosomes and Microvesicles, Integrators of Homeostasis. Physiology, 2019, 34, 169-177.	1.6	250
353	Review: Peering through a keyhole: liquid biopsy in primary and metastatic central nervous system tumours. Neuropathology and Applied Neurobiology, 2019, 45, 655-670.	1.8	14
354	A supporting ecosystem to mature extracellular vesicles into clinicalÂapplication. EMBO Journal, 2019, 38, .	3.5	32
355	Lipid mediators in platelet concentrate and extracellular vesicles: Molecular mechanisms from membrane glycerophospholipids to bioactive molecules. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 1168-1182.	1.2	23
356	Extracellular vesicle measurements with nanoparticle tracking analysis â€“ An accuracy and repeatability comparison between NanoSight NS300 and ZetaView. Journal of Extracellular Vesicles, 2019, 8, 1596016.	5.5	318
357	Antiâ€human <scp>CD</scp>9 antibody Fab fragment impairs the internalization of extracellular vesicles and the nuclear transfer of their cargo proteins. Journal of Cellular and Molecular Medicine, 2019, 23, 4408-4421.	1.6	22
358	Reactive Oxygen Species (ROS)-Based Nanomedicine. Chemical Reviews, 2019, 119, 4881-4985.	23.0	1,519
359	Exosome-orchestrated hypoxic tumor microenvironment. Molecular Cancer, 2019, 18, 57.	7.9	182
360	Extracellular vesicles-mediated intercellular communication: roles in the tumor microenvironment and anti-cancer drug resistance. Molecular Cancer, 2019, 18, 55.	7.9	304
361	Suppression of Exosomal PD-L1 Induces Systemic Anti-tumor Immunity and Memory. Cell, 2019, 177, 414-427.e13.	13.5	847
362	Reassessment of Exosome Composition. Cell, 2019, 177, 428-445.e18.	13.5	1,786
363	Establishing and regulating the composition of cilia for signal transduction. Nature Reviews Molecular Cell Biology, 2019, 20, 389-405.	16.1	310

#	Article	IF	Citations
364	Long non-coding RNA HOTAIR promotes exosome secretion by regulating RAB35 and SNAP23 in hepatocellular carcinoma. Molecular Cancer, 2019, 18, 78.	7.9	176
365	MicroRNA-Mediated Control of Inflammation and Tolerance in Pregnancy. Frontiers in Immunology, 2019, 10, 718.	2.2	26
366	Imaging flow cytometry facilitates multiparametric characterization of extracellular vesicles in malignant brain tumours. Journal of Extracellular Vesicles, 2019, 8, 1588555.	5.5	86
367	Mesenchymal Stromal Cell Derived Extracellular Vesicles Reduce Hypoxia-Ischaemia Induced Perinatal Brain Injury. Frontiers in Physiology, 2019, 10, 282.	1.3	57
368	Design strategies and application progress of therapeutic exosomes. Theranostics, 2019, 9, 1015-1028.	4.6	295
369	Exosome Biochemistry and Advanced Nanotechnology for Nextâ€Generation Theranostic Platforms. Advanced Materials, 2019, 31, e1802896.	11.1	234
370	Exosome Analysis in Tumor-Draining Pulmonary Vein Identifies NSCLC Patients with Higher Risk of Relapse after Curative Surgery. Cancers, 2019, 11, 249.	1.7	30
371	Liquid Biopsies in Cancer Diagnosis, Monitoring, and Prognosis. Trends in Pharmacological Sciences, 2019, 40, 172-186.	4.0	393
372	Extracellular Vesicles as Transmitters of Hypoxia Tolerance in Solid Cancers. Cancers, 2019, 11, 154.	1.7	46
373	Live Tracking of Inter-organ Communication by Endogenous Exosomes InÂVivo. Developmental Cell, 2019, 48, 573-589.e4.	3.1	231
374	Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. Developmental Cell, 2019, 48, 554-572.e7.	3.1	160
375	TEM ExosomeAnalyzer: a computerâ€assisted software tool for quantitative evaluation of extracellular vesicles in transmission electron microscopy images. Journal of Extracellular Vesicles, 2019, 8, 1560808.	5.5	36
376	Forms of extracellular mitochondria and their impact in health. Mitochondrion, 2019, 48, 16-30.	1.6	94
377	Recent advances in extracellular vesicle research for urological cancers: From technology to application. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 342-360.	3.3	16
378	Caveolin-1 as a pathophysiological factor and target in psoriasis. Npj Aging and Mechanisms of Disease, 2019, 5, 4.	4.5	26
379	Exosomes derived from mesenchymal stem cells attenuate the progression of atherosclerosis in ApoEâ^'/- mice via miR-let7 mediated infiltration and polarization of M2 macrophage. Biochemical and Biophysical Research Communications, 2019, 510, 565-572.	1.0	136
380	Pitfalls associated with lipophilic fluorophore staining of extracellular vesicles for uptake studies. Journal of Extracellular Vesicles, 2019, 8, 1582237.	5.5	90
381	Possible role of extracellular vesicles in exogenous chemical exposure-associated health concern. Journal of Environmental Sciences, 2019, 80, 1-4.	3.2	4

#	Article	IF	Citations
382	Highly Purified Human Extracellular Vesicles Produced by Stem Cells Alleviate Aging Cellular Phenotypes of Senescent Human Cells. Stem Cells, 2019, 37, 779-790.	1.4	111
383	Paracrine Mechanisms of Redox Signalling for Postmitotic Cell and Tissue Regeneration. Trends in Cell Biology, 2019, 29, 514-530.	3.6	13
384	Liquid Biopsy beyond Circulating Tumor Cells and Cell-Free DNA. Acta Cytologica, 2019, 63, 479-488.	0.7	42
385	Î»-DNA- and Aptamer-Mediated Sorting and Analysis of Extracellular Vesicles. Journal of the American Chemical Society, 2019, 141, 3817-3821.	6.6	198
386	Exosomes are the novel players involved in the beneficial effects of exercise on type 2 diabetes. Journal of Cellular Physiology, 2019, 234, 14896-14905.	2.0	23
387	Exosomes in Inflammation and Inflammatory Disease. Proteomics, 2019, 19, e1800149.	1.3	104
388	Microparticles from vascular endothelial growth factor pathway inhibitor-treated cancer patients mediate endothelial cell injury. Cardiovascular Research, 2019, 115, 978-988.	1.8	32
389	Neuroprotective effect of placentaâ€derived mesenchymal stromal cells: role of exosomes. FASEB Journal, 2019, 33, 5836-5849.	0.2	49
390	Size-dependent sub-proteome analysis of urinary exosomes. Analytical and Bioanalytical Chemistry, 2019, 411, 4141-4149.	1.9	17
391	Meeting report â€“ Cell dynamics: organelleâ€“cytoskeleton interface. Journal of Cell Science, 2019, 132, .	1.2	2
392	Fungal Extracellular Vesicles as Potential Targets for Immune Interventions. MSphere, 2019, 4, .	1.3	31
393	TGFBR2â€dependent alterations of microRNA profiles in extracellular vesicles and parental colorectal cancer cells. International Journal of Oncology, 2019, 55, 925-937.	1.4	9
394	Role of Extracellular Vesicles in Human Papillomavirus-Induced Tumorigenesis. , 2019, , .		0
395	Iron Oxide Labeling and Tracking of Extracellular Vesicles. Magnetochemistry, 2019, 5, 60.	1.0	13
396	The Contrasting Role of Extracellular Vesicles in Vascular Inflammation and Tissue Repair. Frontiers in Pharmacology, 2019, 10, 1479.	1.6	68
397	Glia-derived exosomal miR-274 targets Sprouty in trachea and synaptic boutons to modulate growth and responses to hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24651-24661.	3.3	19
398	A miRNA signature in endothelial cell-derived extracellular vesicles in tumor-bearing mice. Scientific Reports, 2019, 9, 16743.	1.6	14
399	Novel Epigenetic Biomarkers in Pregnancy-Related Disorders and Cancers. Cells, 2019, 8, 1459.	1.8	17

#	Article	IF	Citations
400	Metabolomics Applied to the Study of Extracellular Vesicles. Metabolites, 2019, 9, 276.	1.3	68
401	Extracellular Vesicles As Nanomedicine: Hopes And Hurdles In Clinical Translation . International Journal of Nanomedicine, 2019, Volume 14, 8847-8859.	3.3	72
402	Host miR-148 regulates a macrophage-mediated immune response during Schistosoma japonicum infection. International Journal for Parasitology, 2019, 49, 993-997.	1.3	16
403	Neurons can upregulate Cav-1 to increase intake of endothelial cells-derived extracellular vesicles that attenuate apoptosis via miR-1290. Cell Death and Disease, 2019, 10, 869.	2.7	57
404	Distinct role of Sirtuin 1 (SIRT1) and Sirtuin 2 (SIRT2) in inhibiting cargo-loading and release of extracellular vesicles. Scientific Reports, 2019, 9, 20049.	1.6	32
405	Bone marrow-derived neural crest precursors improve nerve defect repair partially through secreted trophic factors. Stem Cell Research and Therapy, 2019, 10, 397.	2.4	23
406	Exosomal MicroRNA-155 Inhibits Enterovirus A71 Infection by Targeting PICALM. International Journal of Biological Sciences, 2019, 15, 2925-2935.	2.6	17
407	Extracellular Vesicles Can Deliver Anti-inflammatory and Anti-scarring Activities of Mesenchymal Stromal Cells After Spinal Cord Injury. Frontiers in Neurology, 2019, 10, 1225.	1.1	61
408	Type-2 Diabetics Reduces Spatial Variation of Microbiome Based on Extracellular Vesicles from Gut Microbes across Human Body. Scientific Reports, 2019, 9, 20136.	1.6	20
409	Association of Extracellular Vesicle Protein Cargo with Race and Clinical Markers of Mortality. Scientific Reports, 2019, 9, 17582.	1.6	15
410	A Snapshot of The Tumor Microenvironment in Colorectal Cancer: The Liquid Biopsy. International Journal of Molecular Sciences, 2019, 20, 6016.	1.8	27
411	The Biology and Therapeutic Applications of Red Blood Cell Extracellular Vesicles. , 0, , .		9
412	Chlamydia psittaci -Infected Dendritic Cells Communicate with NK Cells via Exosomes To Activate Antibacterial Immunity. Infection and Immunity, 2019, 88, .	1.0	19
413	Extracellular Vesiclesâ€"Connecting Kingdoms. International Journal of Molecular Sciences, 2019, 20, 5695.	1.8	177
414	Syncytin 1 dependent horizontal transfer of marker genes from retrovirally transduced cells. Scientific Reports, 2019, 9, 17637.	1.6	16
415	The Exosome And Breast Cancer Cell Plasticity . OncoTargets and Therapy, 2019, Volume 12, 9817-9825.	1.0	10
416	Characterization of plasma-derived protoporphyrin-IX-positive extracellular vesicles following 5-ALA use in patients with malignant glioma. EBioMedicine, 2019, 48, 23-35.	2.7	27
417	Dendritic cell extracellular vesicles. International Review of Cell and Molecular Biology, 2019, 349, 213-249.	1.6	43

#	Article	IF	Citations
418	Role of liquid biopsy in oncogene-addicted non-small cell lung cancer. Translational Lung Cancer Research, 2019, 8, S265-S279.	1.3	17
419	Ping-Pongâ€"Tumor and Host in Pancreatic Cancer Progression. Frontiers in Oncology, 2019, 9, 1359.	1.3	25
420	Macrophages in cardiac repair: Environmental cues and therapeutic strategies. Experimental and Molecular Medicine, 2019, 51, 1-10.	3.2	37
421	Addressing the Manufacturing Challenges of Cell-Based Therapies. Advances in Biochemical Engineering/Biotechnology, 2019, 171, 225-278.	0.6	14
422	Engineered Extracellular Vesicles as a Reliable Tool in Cancer Nanomedicine. Cancers, 2019, 11, 1979.	1.7	67
423	Mesenchymal Stromal Cell-Based Bone Regeneration Therapies: From Cell Transplantation and Tissue Engineering to Therapeutic Secretomes and Extracellular Vesicles. Frontiers in Bioengineering and Biotechnology, 2019, 7, 352.	2.0	92
424	Isolation of microglia-derived extracellular vesicles: towards miRNA signatures and neuroprotection. Journal of Nanobiotechnology, 2019, 17, 119.	4.2	36
425	The Intracellular Delivery Of Anti-HPV16 E7 scFvs Through Engineered Extracellular Vesicles Inhibits The Proliferation Of HPV-Infected Cells . International Journal of Nanomedicine, 2019, Volume 14, 8755-8768.	3.3	18
426	Exosome Production Is Key to Neuronal Endosomal Pathway Integrity in Neurodegenerative Diseases. Frontiers in Neuroscience, 2019, 13, 1347.	1.4	49
427	Cancer-Derived Extracellular Vesicle-Associated MicroRNAs in Intercellular Communication: One Cellâ€™s Trash Is Another Cellâ€™s Treasure. International Journal of Molecular Sciences, 2019, 20, 6109.	1.8	47
428	Tumorigenesis, diagnosis, and therapeutic potential of exosomes in liver cancer. Journal of Hematology and Oncology, 2019, 12, 133.	6.9	176
429	Extracellular vesicles from symbiotic vaginal lactobacilli inhibit HIV-1 infection of human tissues. Nature Communications, 2019, 10, 5656.	5.8	81
430	Noninvasive Assessment of Exosome Pharmacokinetics In Vivo: A Review. Pharmaceutics, 2019, 11, 649.	2.0	30
431	Extracellular vesicles of carcinoma-associated fibroblasts creates a pre-metastatic niche in the lung through activating fibroblasts. Molecular Cancer, 2019, 18, 175.	7.9	132
432	Exosomes play roles in sequential processes of tumor metastasis. International Journal of Cancer, 2019, 144, 1486-1495.	2.3	122
433	Osteoclast-derived exosomes inhibit osteogenic differentiation through Wnt/Î²-catenin signaling pathway in simulated microgravity model. Acta Astronautica, 2019, 154, 140-152.	1.7	14
434	Membrane lipids define small extracellular vesicle subtypes secreted by mesenchymal stromal cells. Journal of Lipid Research, 2019, 60, 318-322.	2.0	22
435	Extracellular Vesicles for Research on Psychiatric Disorders. Schizophrenia Bulletin, 2019, 45, 7-16.	2.3	12

#	Article	IF	Citations
436	In vivo dynamic distribution of multivesicular bodies and exosomes in spleen of DTMUV infected duck. Veterinary Microbiology, 2019, 229, 138-146.	0.8	4
437	Mouse serum protects against total body irradiation-induced hematopoietic system injury by improving the systemic environment after radiation. Free Radical Biology and Medicine, 2019, 131, 382-392.	1.3	14
438	Extracellular Vesicles as Conduits of Non-Coding RNA Emission and Intercellular Transfer in Brain Tumors. Non-coding RNA, 2019, 5, 1.	1.3	48
439	Exosome Release Is Regulated by mTORC1. Advanced Science, 2019, 6, 1801313.	5.6	90
440	Exosomes Derived From Lowâ€Intensity Pulsed Ultrasoundâ€Treated Dendritic Cells Suppress Tumor Necrosis Factorâ€“Induced Endothelial Inflammation. Journal of Ultrasound in Medicine, 2019, 38, 2081-2091.	0.8	27
441	Oncogenic Regulation of Extracellular Vesicle Proteome and Heterogeneity. Proteomics, 2019, 19, e1800169.	1.3	27
442	Nano-, micro-, and macroscale drug delivery systems for cancer immunotherapy. Acta Biomaterialia, 2019, 85, 1-26.	4.1	142
443	From Endogenous Compounds as Biomarkers to Plasmaâ€Derived Nanovesicles as Liquid Biopsy; Has the Golden Age of Translational Pharmacokineticsâ€Absorption, Distribution, Metabolism, Excretionâ€Drugâ€“Drug Interaction Science Finally Arrived?. Clinical Pharmacology and Therapeutics, 2019, 105, 1407-1420.	2.3	65
444	Cannabidiol Affects Extracellular Vesicle Release, miR21 and miR126, and Reduces Prohibitin Protein in Glioblastoma Multiforme Cells. Translational Oncology, 2019, 12, 513-522.	1.7	55
445	Specificities of secretion and uptake of exosomes and other extracellular vesicles for cell-to-cell communication. Nature Cell Biology, 2019, 21, 9-17.	4.6	2,408
446	Chemotherapy elicits pro-metastatic extracellular vesicles in breast cancer models. Nature Cell Biology, 2019, 21, 190-202.	4.6	384
447	Comparison of small extracellular vesicles isolated from plasma by ultracentrifugation or sizeâ€exclusion chromatography: yield, purity and functional potential. Journal of Extracellular Vesicles, 2019, 8, 1560809.	5.5	254
448	Stem Cell Extracellular Vesicles in Skin Repair. Bioengineering, 2019, 6, 4.	1.6	66
449	Lipid Nanovesicles by Microfluidics: Manipulation, Synthesis, and Drug Delivery. Advanced Materials, 2019, 31, e1804788.	11.1	62
450	A toolbox for the immunomagnetic purification of signaling organelles. Traffic, 2019, 20, 246-258.	1.3	8
451	Endothelial cell apoptosis and the role of endothelial cell-derived extracellular vesicles in the progression of atherosclerosis. Cellular and Molecular Life Sciences, 2019, 76, 1093-1106.	2.4	199
452	Early Exposure to a High-Fat Diet Impacts on Hippocampal Plasticity: Implication of Microglia-Derived Exosome-like Extracellular Vesicles. Molecular Neurobiology, 2019, 56, 5075-5094.	1.9	52
453	Exosomes derived from acute myeloid leukemia cells promote chemoresistance by enhancing glycolysisâ€mediated vascular remodeling. Journal of Cellular Physiology, 2019, 234, 10602-10614.	2.0	60

#	Article	IF	Citations
454	Effects of tumor necrosis factorâ€Î±â€induced exosomes on the endothelial cellular behavior, metabolism and bioenergetics. Microcirculation, 2019, 26, e12515.	1.0	6
455	Macrophages alternatively activated by endometriosis-exosomes contribute to the development of lesions in mice. Molecular Human Reproduction, 2019, 25, 5-16.	1.3	48
456	Extracellular membrane vesicles in the three domains of life and beyond. FEMS Microbiology Reviews, 2019, 43, 273-303.	3.9	289
457	Post-translational and transcriptional dynamics â€“ regulating Âextracellular vesicle biology. Expert Review of Proteomics, 2019, 16, 17-31.	1.3	16
458	Extracellular Vesicles in Liver Diseases: Diagnostic, Prognostic, and Therapeutic Application. Seminars in Liver Disease, 2019, 39, 070-077.	1.8	35
459	Quantitative Proteomic Analysis of Small and Large Extracellular Vesicles (EVs) Reveals Enrichment of Adhesion Proteins in Small EVs. Journal of Proteome Research, 2019, 18, 947-959.	1.8	71
460	Standardization of Blood Collection and Processing for the Diagnostic Use of Extracellular Vesicles. Current Pathobiology Reports, 2019, 7, 1-8.	1.6	18
461	Separation of virus-like particles and extracellular vesicles by flow-through and heparin affinity chromatography. Journal of Chromatography A, 2019, 1588, 77-84.	1.8	70
462	Chromatographic Approaches for Purification and Analytical Characterization of Extracellular Vesicles: Recent Advancements. Chromatographia, 2019, 82, 415-424.	0.7	11
463	Biogenesis of Extracellular Vesicles during Herpes Simplex Virus 1 Infection: Role of the CD63 Tetraspanin. Journal of Virology, 2019, 93, .	1.5	37
464	Concise Review: Intercellular Communication Via Organelle Transfer in the Biology and Therapeutic Applications of Stem Cells. Stem Cells, 2019, 37, 14-25.	1.4	97
465	Eutopic stromal cells of endometriosis promote neuroangiogenesis via exosome pathwayâ€. Biology of Reproduction, 2019, 100, 649-659.	1.2	35
466	Comparative and functional analysis of plasma membrane-derived extracellular vesicles from obese vs. nonobese women. Clinical Nutrition, 2020, 39, 1067-1076.	2.3	16
467	Electrochemical Detection of Tumor-Derived Extracellular Vesicles on Nanointerdigitated Electrodes. Nano Letters, 2020, 20, 820-828.	4.5	65
468	Plasma extracellular vesicle long RNA profiling identifies a diagnostic signature for the detection of pancreatic ductal adenocarcinoma. Gut, 2020, 69, 540-550.	6.1	142
469	Effects of an acute bout of exercise on circulating extracellular vesicles: tissue-, sex-, and BMI-related differences. International Journal of Obesity, 2020, 44, 1108-1118.	1.6	60
470	Reprogramming extracellular vesicles with engineered proteins. Methods, 2020, 177, 95-102.	1.9	16
471	TGFBI secreted by mesenchymal stromal cells ameliorates osteoarthritis and is detected in extracellular vesicles. Biomaterials, 2020, 226, 119544.	5.7	53

#	Article	IF	Citations
472	Gemcitabine loaded autologous exosomes for effective and safe chemotherapy of pancreatic cancer. Acta Biomaterialia, 2020, 101, 519-530.	4.1	189
473	Neural-respiratory inflammasome axis in traumatic brain injury. Experimental Neurology, 2020, 323, 113080.	2.0	35
474	Engineered extracellular vesicles and their mimetics for clinical translation. Methods, 2020, 177, 80-94.	1.9	26
475	Bacterial extracellular vesicles: A new way to decipher hostâ€microbiota communications in inflammatory dermatoses. Experimental Dermatology, 2020, 29, 22-28.	1.4	30
476	Mesenchymal stem cell-derived extracellular vesicles for the treatment of acute respiratory distress syndrome. Stem Cells Translational Medicine, 2020, 9, 28-38.	1.6	119
477	Exosomes, microvesicles, and their friends in solid tumors. , 2020, , 39-80.		3
478	Exosomes in nephrology. , 2020, , 257-283.		3
479	Exosomes in retinal diseases. , 2020, , 415-431.		1
480	Preclinical translation of exosomes derived from mesenchymal stem/stromal cells. Stem Cells, 2020, 38, 15-21.	1.4	148
481	Tunneling nanotubes mediate the expression of senescence markers in mesenchymal stem/stromal cell spheroids. Stem Cells, 2020, 38, 80-89.	1.4	28
482	Stem Cell Extracellular Vesicles and their Potential to Contribute to the Repair of Damaged CNS Cells. Journal of NeuroImmune Pharmacology, 2020, 15, 520-537.	2.1	24
483	Plant extracellular vesicles. Protoplasma, 2020, 257, 3-12.	1.0	116
484	Emerging role of exosomes as promising diagnostic tool for cancer. Cancer Gene Therapy, 2020, 27, 395-398.	2.2	92
485	Circulating Extracellular Vesicle Tissue Factor Activity During Orthohantavirus Infection Is Associated With Intravascular Coagulation. Journal of Infectious Diseases, 2020, 222, 1392-1399.	1.9	14
486	Adipocyteâ€derived extracellular vesicles as new communication signals in the regulation of food intake. Acta Physiologica, 2020, 228, e13411.	1.8	2
487	The many functions of ESCRTs. Nature Reviews Molecular Cell Biology, 2020, 21, 25-42.	16.1	565
488	Mass spectrometry for the identification of protein biomarkers in urinary extracellular vesicles. , 2020, , 437-440.		1
489	The prospective role of mesenchymal stem cells exosomes on circumvallate taste buds in induced Alzheimerâ€™s disease of ovariectomized albino rats. Archives of Oral Biology, 2020, 110, 104596.	0.8	10

#	Article	IF	Citations
490	Promising Applications of AIEgens in Animal Models. Small Methods, 2020, 4, 1900583.	4.6	25
491	Hepatic exosome-derived miR-130a-3p attenuates glucose intolerance via suppressing PHLPP2 gene in adipocyte. Metabolism: Clinical and Experimental, 2020, 103, 154006.	1.5	61
492	Role of endolysosomes and inter-organellar signaling in brain disease. Neurobiology of Disease, 2020, 134, 104670.	2.1	18
493	Life in the lumen: The multivesicular endosome. Traffic, 2020, 21, 76-93.	1.3	132
494	Complexity of the microRNA transcriptome of cow milk and milk-derived extracellular vesicles isolated via differential ultracentrifugation. Journal of Dairy Science, 2020, 103, 16-29.	1.4	66
495	Foresight on nanovesicles in plant-pathogen interactions. , 2020, , 307-319.		1
496	Targets, pitfalls and reference materials for liquid biopsy tests in cancer diagnostics. Molecular Aspects of Medicine, 2020, 72, 100828.	2.7	104
497	Extracellular vesicles as a novel therapeutic tool for cellâ€free regenerative medicine in oral rehabilitation. Journal of Oral Rehabilitation, 2020, 47, 29-54.	1.3	16
498	A Novel Tissueâ€Based Liverâ€“Kidneyâ€onâ€aâ€Chip Can Mimic Liver Tropism of Extracellular Vesicles Derived from Breast Cancer Cells. Biotechnology Journal, 2020, 15, 1900107.	1.8	22
500	Extracellular Vesicles from Mesenchymal Stem Cells as Novel Treatments for Musculoskeletal Diseases. Cells, 2020, 9, 98.	1.8	56
501	Detection and Quantification of Extracellular Vesicles via FACS: Membrane Labeling Matters!. International Journal of Molecular Sciences, 2020, 21, 291.	1.8	27
502	Heart regeneration in mouse and human: a bioengineering perspective. Current Opinion in Physiology, 2020, 14, 56-63.	0.9	1
503	Extracellular Vesicles and Metastasis. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a037275.	2.9	31
504	Microvesicles and exosomes in metabolic diseases and inflammation. Cytokine and Growth Factor Reviews, 2020, 51, 27-39.	3.2	45
505	The nanostructured secretome. Biomaterials Science, 2020, 8, 39-63.	2.6	36
506	Nano-immunoimaging. Nanoscale Horizons, 2020, 5, 628-653.	4.1	22
507	Engineering Extracellular Vesicles as Nanotherapeutics for Regenerative Medicine. Biomolecules, 2020, 10, 48.	1.8	73
508	Adipocyte extracellular vesicles carry enzymes and fatty acids that stimulate mitochondrial metabolism and remodeling in tumor cells. EMBO Journal, 2020, 39, e102525.	3.5	175

#	Article	IF	Citations
509	Small extracellular vesicles from rat plasma promote migration and proliferation of vascular smooth muscle cells. Journal of Veterinary Medical Science, 2020, 82, 299-306.	0.3	10
510	Nanogel hybrid assembly for exosome intracellular delivery: effects on endocytosis and fusion by exosome surface polymer engineering. Biomaterials Science, 2020, 8, 619-630.	2.6	61
511	An emerging interplay between extracellular vesicles and cytokines. Cytokine and Growth Factor Reviews, 2020, 51, 49-60.	3.2	35
512	Decoding the Biology of Exosomes in Metastasis. Trends in Cancer, 2020, 6, 20-30.	3.8	46
513	Inhibiting extracellular vesicles formation and release: a review of EV inhibitors. Journal of Extracellular Vesicles, 2020, 9, 1703244.	5.5	375
514	The role of exosomes in colorectal cancer disease progression and response to therapy. Cytokine and Growth Factor Reviews, 2020, 51, 84-91.	3.2	19
515	Mesenchymal stromal cell-derived exosomes ameliorate peripheral neuropathy in a mouse model of diabetes. Diabetologia, 2020, 63, 431-443.	2.9	119
516	Exosomal microRNA in peritoneal fluid as a biomarker of peritoneal metastases from gastric cancer. Annals of Gastroenterological Surgery, 2020, 4, 84-93.	1.2	28
517	Tissue factor activity on microvesicles from cancer patients. Journal of Cancer Research and Clinical Oncology, 2020, 146, 467-475.	1.2	15
518	Iron expulsion by exosomes drives ferroptosis resistance. Nature Reviews Molecular Cell Biology, 2020, 21, 4-5.	16.1	37
519	hnRNPA2B1 inhibits the exosomal export of miR-503 in endothelial cells. Cellular and Molecular Life Sciences, 2020, 77, 4413-4428.	2.4	34
520	Extracellular vesicle-mediated intercellular communication in HIV-1 infection and its role in the reservoir maintenance. Cytokine and Growth Factor Reviews, 2020, 51, 40-48.	3.2	6
521	Tumor propagating cells: drivers of tumor plasticity, heterogeneity, and recurrence. Oncogene, 2020, 39, 2055-2068.	2.6	32
522	Post-production modifications of murine mesenchymal stem cell (mMSC) derived extracellular vesicles (EVs) and impact on their cellular interaction. Biomaterials, 2020, 231, 119675.	5.7	59
523	Real-time imaging of multivesicular bodyâ€“plasma membrane fusion to quantify exosome release from single cells. Nature Protocols, 2020, 15, 102-121.	5.5	84
524	Extracellular vesicles and their roles in stem cell biology. Stem Cells, 2020, 38, 469-476.	1.4	34
525	Human Pluripotent Stem Cell-Derived Extracellular Vesicles: Characteristics and Applications. Tissue Engineering - Part B: Reviews, 2020, 26, 129-144.	2.5	34
526	Role of extracellular vesicles during oocyte maturation and early embryo development. Reproduction, Fertility and Development, 2020, 32, 56.	0.1	19

#	Article	IF	Citations
527	Early single-dose treatment with exosomes provides neuroprotection and improves blood-brain barrier integrity in swine model of traumatic brain injury and hemorrhagic shock. Journal of Trauma and Acute Care Surgery, 2020, 88, 207-218.	1.1	53
528	HAS3-induced extracellular vesicles from melanoma cells stimulate IHH mediated c-Myc upregulation via the hedgehog signaling pathway in target cells. Cellular and Molecular Life Sciences, 2020, 77, 4093-4115.	2.4	20
529	Dual-Selective Magnetic Analysis of Extracellular Vesicle Glycans. Matter, 2020, 2, 150-166.	5.0	37
530	Circulating Extracellular Vesicles in Normotension Restrain Vasodilation in Resistance Arteries. Hypertension, 2020, 75, 218-228.	1.3	25
531	The Role of Vesicle Trafficking and Release in Oligodendrocyte Biology. Neurochemical Research, 2020, 45, 620-629.	1.6	15
532	Extracellular Vesicles. Hypertension, 2020, 75, 40-43.	1.3	2
533	Distinct autophagy-apoptosis related pathways activated by Multi-walled (NM 400) and Single-walled carbon nanotubes (NIST-SRM2483) in human bronchial epithelial (16HBE14o-) cells. Journal of Hazardous Materials, 2020, 387, 121691.	6.5	15
534	Profile of pathogenic proteins in total circulating extracellular vesicles in mild cognitive impairment and during the progression of Alzheimer's disease. Neurobiology of Aging, 2020, 86, 102-111.	1.5	34
535	Anti-fibrotic mechanisms of exogenously-expanded mesenchymal stromal cells for fibrotic diseases. Seminars in Cell and Developmental Biology, 2020, 101, 87-103.	2.3	31
536	Extracellular Vesicles in Non-Small-Cell Lung Cancer: Functional Role and Involvement in Resistance to Targeted Treatment and Immunotherapy. Cancers, 2020, 12, 40.	1.7	20
537	Human Microglia Respond to Malaria-Induced Extracellular Vesicles. Pathogens, 2020, 9, 21.	1.2	23
538	Tumor-derived extracellular vesicles and microRNAs: Functional roles, diagnostic, prognostic and therapeutic options. Cytokine and Growth Factor Reviews, 2020, 51, 75-83.	3.2	25
539	New Sensors for Extracellular Vesicles: Insights on Constituent and Associated Biomarkers. ACS Sensors, 2020, 5, 4-12.	4.0	29
540	Proteomic analysis of circulating extracellular vesicles identifies potential markers of breast cancer progression, recurrence, and response. Science Advances, 2020, 6, .	4.7	58
541	Stoking the Fire: How Dying Cells Propagate Inflammatory Signalling through Extracellular Vesicle Trafficking. International Journal of Molecular Sciences, 2020, 21, 7256.	1.8	12
542	Emerging Role of Extracellular Vesicles in the Pathophysiology of Multiple Sclerosis. International Journal of Molecular Sciences, 2020, 21, 7336.	1.8	39
543	Intercellular Transmission of Naked Viruses through Extracellular Vesicles: Focus on Polyomaviruses. Viruses, 2020, 12, 1086.	1.5	5
544	microRNA exchange via extracellular vesicles in cancer. Cell Proliferation, 2020, 53, e12877.	2.4	32

#	Article	IF	Citations
545	Calcium Ionophore-Induced Extracellular Vesicles Mediate Cytoprotection against Simulated Ischemia/Reperfusion Injury in Cardiomyocyte-Derived Cell Lines by Inducing Heme Oxygenase 1. International Journal of Molecular Sciences, 2020, 21, 7687.	1.8	7
546	Sowing the Seeds of Discovery: Tau-Propagation Models of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2020, 11, 3499-3509.	1.7	7
547	Peptidylarginine Deiminase Inhibition Abolishes the Production of Large Extracellular Vesicles From Giardia intestinalis, Affecting Host-Pathogen Interactions by Hindering Adhesion to Host Cells. Frontiers in Cellular and Infection Microbiology, 2020, 10, 417.	1.8	38
548	Uveal Melanoma-Derived Extracellular Vesicles Display Transforming Potential and Carry Protein Cargo Involved in Metastatic Niche Preparation. Cancers, 2020, 12, 2923.	1.7	25
549	Breast Cancer-Derived Microparticles Reduce Cancer Cell Adhesion, an Effect Augmented by Chemotherapy. Cells, 2020, 9, 2269.	1.8	5
550	Extracellular vesicles derived from KrÃ¼ppel-Like Factor 2-overexpressing endothelial cells attenuate myocardial ischemia-reperfusion injury by preventing Ly6C^{high} monocyte recruitment. Theranostics, 2020, 10, 11562-11579.	4.6	26
551	Exosomal vesicles enhance immunosuppression in chronic inflammation: Impact in cellular senescence and the aging process. Cellular Signalling, 2020, 75, 109771.	1.7	18
552	Zebrafish cardiac regenerationâ€"looking beyond cardiomyocytes to a complex microenvironment. Histochemistry and Cell Biology, 2020, 154, 533-548.	0.8	15
553	In vitro controlled release of extracellular vesicles for cardiac repair from poly(glycerol sebacate) acrylate-based polymers. Acta Biomaterialia, 2020, 115, 92-103.	4.1	18
554	Emerging strategies for labeling and tracking of extracellular vesicles. Journal of Controlled Release, 2020, 328, 141-159.	4.8	39
555	Extracellular vesicles-based drug delivery systems for cancer immunotherapy. Journal of Controlled Release, 2020, 328, 562-574.	4.8	18
556	Comparison of the Therapeutic Effect of Allogeneic and Xenogeneic Small Extracellular Vesicles in Soft Tissue Repair . International Journal of Nanomedicine, 2020, Volume 15, 6975-6991.	3.3	19
557	TNF Production and Release from Microglia via Extracellular Vesicles: Impact on Brain Functions. Cells, 2020, 9, 2145.	1.8	63
558	Molecular and Functional Diversity of Distinct Subpopulations of the Stressed Insulin-Secreting Cell's Vesiculome. Frontiers in Immunology, 2020, 11, 1814.	2.2	17
559	Exosomes, vÃ©sicules extracellulaires et dialogue inter-organes. Medecine Des Maladies Metaboliques, 2020, 14, 250-257.	0.1	1
560	Matrix-Bound Nanovesicles: The Effects of Isolation Method upon Yield, Purity, and Function. Tissue Engineering - Part C: Methods, 2020, 26, 528-540.	1.1	16
561	MicroRNA-206 antagomiRâ€'enriched extracellular vesicles attenuate lung ischemiaâ€'reperfusion injury through CXCL1 regulation in alveolar epithelial cells. Journal of Heart and Lung Transplantation, 2020, 39, 1476-1490.	0.3	14
562	ANXA11 mutations in ALS cause dysregulation of calcium homeostasis and stress granule dynamics. Science Translational Medicine, 2020, 12, .	5.8	44

#	Article	IF	Citations
563	The Cell Biology of Tau Secretion. Frontiers in Molecular Neuroscience, 2020, 13, 569818.	1.4	28
564	Prostate cancer-derived exosomes promote osteoblast differentiation and activity through phospholipase D2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165919.	1.8	33
565	Amphipathic helical peptide-based fluorogenic probes for a marker-free analysis of exosomes based on membrane-curvature sensing. RSC Advances, 2020, 10, 38323-38327.	1.7	7
566	Role of extracellular vesicles in tumour microenvironment. Cell Communication and Signaling, 2020, 18, 163.	2.7	43
567	EVs as Potential New Therapeutic Tool/Target in Gastrointestinal Cancer and HCC. Cancers, 2020, 12, 3019.	1.7	18
568	Proteomics of Extracellular Vesicles: Update on Their Composition, Biological Roles and Potential Use as Diagnostic Tools in Atherosclerotic Cardiovascular Diseases. Diagnostics, 2020, 10, 843.	1.3	22
569	Extracellular vesicles from the apoplastic fungal wheat pathogen Zymoseptoria tritici. Fungal Biology and Biotechnology, 2020, 7, 13.	2.5	32
570	Human Mesenchymal Stromal Cell Secretome Promotes the Immunoregulatory Phenotype and Phagocytosis Activity in Human Macrophages. Cells, 2020, 9, 2142.	1.8	7
571	In vivo imaging of long-term accumulation of cancer-derived exosomes using a BRET-based reporter. Scientific Reports, 2020, 10, 16616.	1.6	17
572	Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimerâ€™s Disease Leads to Neuroglial and Endothelial Cell Degeneration. Frontiers in Aging Neuroscience, 2020, 12, 587989.	1.7	16
573	Gene Editing by Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 7362.	1.8	30
574	Exosome engineering: Current progress in cargo loading and targeted delivery. NanoImpact, 2020, 20, 100261.	2.4	217
575	Extracellular vesicles: new players in regulating vascular barrier function. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1181-H1196.	1.5	36
576	Mitochondria transfer from tumor-activated stromal cells (TASC) to primary Glioblastoma cells. Biochemical and Biophysical Research Communications, 2020, 533, 139-147.	1.0	36
577	Role and mechanisms of exosomal miRNAs in IBD pathophysiology. American Journal of Physiology - Renal Physiology, 2020, 319, G646-G654.	1.6	16
578	T cell-derived extracellular vesicles are elevated in essential HTN. American Journal of Physiology - Renal Physiology, 2020, 319, F868-F875.	1.3	17
579	Extracellular Vesicles: Recent Developments in Aging and Reproductive Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 577084.	1.8	8
580	The role of extracellular vesicles in neointima formation post vascular injury. Cellular Signalling, 2020, 76, 109783.	1.7	10

#	Article	IF	Citations
581	Through the back door: Unconventional protein secretion. Cell Surface, 2020, 6, 100045.	1.5	49
582	Platelets and Metastasis: New Implications of an Old Interplay. Frontiers in Oncology, 2020, 10, 1350.	1.3	53
583	Extracellular Vesicle-Associated Proteins in Tissue Repair. Trends in Cell Biology, 2020, 30, 990-1013.	3.6	91
584	Inhibition of Î±vÎ²3 integrin impairs adhesion and uptake of tumor-derived small extracellular vesicles. Cell Communication and Signaling, 2020, 18, 158.	2.7	38
585	Extracellular RNA: Emerging roles in cancer cell communication and biomarkers. Cancer Letters, 2020, 495, 33-40.	3.2	11
586	Wnt/Î²-catenin signaling regulates adipose tissue lipogenesis and adipocyte-specific loss is rigorously defended by neighboring stromal-vascular cells. Molecular Metabolism, 2020, 42, 101078.	3.0	53
587	Efficient encapsulation of biocompatible nanoparticles in exosomes for cancer theranostics. Nano Today, 2020, 35, 100964.	6.2	33
588	Simple and Fast SEC-Based Protocol to Isolate Human Plasma-Derived Extracellular Vesicles for Transcriptional Research. Molecular Therapy - Methods and Clinical Development, 2020, 18, 723-737.	1.8	24
589	Assessment of extracellular vesicles using IFC for application in transfusion medicine. Transfusion and Apheresis Science, 2020, 59, 102942.	0.5	2
590	Single-virus genomics and beyond. Nature Reviews Microbiology, 2020, 18, 705-716.	13.6	18
591	Extracellular Vesicles in Fungi: Past, Present, and Future Perspectives. Frontiers in Cellular and Infection Microbiology, 2020, 10, 346.	1.8	91
592	Characterizing Extracellular Vesicles and Their Diverse RNA Contents. Frontiers in Genetics, 2020, 11, 700.	1.1	150
593	Gold nanoparticles change small extracellular vesicle attributes of mouse embryonic stem cells. Nanoscale, 2020, 12, 15631-15637.	2.8	10
594	Recent insights on indirect mechanisms in developmental toxicity of nanomaterials. Particle and Fibre Toxicology, 2020, 17, 31.	2.8	61
595	Characterization of GFP-AtPEN1 as a marker protein for extracellular vesicles isolated from Nicotiana benthamiana leaves. Plant Signaling and Behavior, 2020, 15, 1791519.	1.2	10
596	Bis(monoacylglycero)phosphate, a new lipid signature of endosome-derived extracellular vesicles. Biochimie, 2020, 178, 26-38.	1.3	24
597	The protein and microRNA cargo of extracellular vesicles from parasitic helminths â€“ current status and research priorities. International Journal for Parasitology, 2020, 50, 635-645.	1.3	73
598	Extracellular vesicles: new targets for vaccines against helminth parasites. International Journal for Parasitology, 2020, 50, 623-633.	1.3	39

#	Article	IF	Citations
599	Stem cells and stem cell-derived extracellular vesicles in acute and chronic kidney diseases: mechanisms of repair. Annals of Translational Medicine, 2020, 8, 570-570.	0.7	21
600	Addition of High Molecular Weight Hyaluronic Acid to Fibroblast-Like Stromal Cells Modulates Endogenous Hyaluronic Acid Metabolism and Enhances Proteolytic Processing and Secretion of Versican. Cells, 2020, 9, 1681.	1.8	6
601	Extracellular vesicle-based Nanotherapeutics: Emerging frontiers in anti-inflammatory therapy. Theranostics, 2020, 10, 8111-8129.	4.6	67
602	A novel three step protocol to isolate extracellular vesicles from plasma or cell culture medium with both high yield and purity. Journal of Extracellular Vesicles, 2020, 9, 1791450.	5.5	85
603	Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. Cell Reports, 2020, 32, 107881.	2.9	130
604	Extracellular vesicles as biomarkers in liver diseases: A clinician's point of view. Journal of Hepatology, 2020, 73, 1507-1525.	1.8	105
605	Exosome: a significant nano-scale drug delivery carrier. Journal of Materials Chemistry B, 2020, 8, 7591-7608.	2.9	108
606	Signaling of Tumor-Derived sEV Impacts Melanoma Progression. International Journal of Molecular Sciences, 2020, 21, 5066.	1.8	25
607	Fluorescent Labeling of Helminth Extracellular Vesicles Using an In Vivo Whole Organism Approach. Biomedicines, 2020, 8, 213.	1.4	15
608	Characterization and Proteome of Circulating Extracellular Vesicles as Potential Biomarkers for NASH. Hepatology Communications, 2020, 4, 1263-1278.	2.0	57
609	The role of circulating monocytes and JAK inhibition in the infectious-driven inflammatory response of myelofibrosis. OncoImmunology, 2020, 9, 1782575.	2.1	20
610	Novel Blood-Derived Extracellular Vesicle-Based Biomarkers in Alzheimerâ€™s Disease Identified by Proximity Extension Assay. Biomedicines, 2020, 8, 199.	1.4	18
611	Roles of Noncoding RNAs in Islet Biology. , 2020, 10, 893-932.		7
612	Extracellular Vesicles as Mediators of Environmental and Metabolic Stress Coping Mechanisms During Mammalian Follicular Development. Frontiers in Veterinary Science, 2020, 7, 602043.	0.9	12
613	Analysis of miR-9-5p, miR-124-3p, miR-21-5p, miR-138-5p, and miR-1-3p in Glioblastoma Cell Lines and Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 8491.	1.8	25
614	Multi-technique analysis of extracellular vesicles: not only size matters. Advances in Biomembranes and Lipid Self-Assembly, 2020, 32, 157-177.	0.3	5
615	Non-viral Gene Delivery Methods for Bone and Joints. Frontiers in Bioengineering and Biotechnology, 2020, 8, 598466.	2.0	32
616	Emerging Roles of Liver Sinusoidal Endothelial Cells in Nonalcoholic Steatohepatitis. Biology, 2020, 9, 395.	1.3	18

#	Article	IF	Citations
617	Extracellular Vesicles in Alzheimerâ€™s and Parkinsonâ€™s Disease: Small Entities with Large Consequences. Cells, 2020, 9, 2485.	1.8	36
618	Scalable Production of Human Mesenchymal Stromal Cell-Derived Extracellular Vesicles Under Serum-/Xeno-Free Conditions in a Microcarrier-Based Bioreactor Culture System. Frontiers in Cell and Developmental Biology, 2020, 8, 553444.	1.8	78
619	Multi-Omics Data Integration in Extracellular Vesicle Biologyâ€"Utopia or Future Reality?. International Journal of Molecular Sciences, 2020, 21, 8550.	1.8	26
620	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. Science Advances, 2020, 6, .	4.7	73
621	The promising role of noncoding RNAs in cancer-associated fibroblasts: an overview of current status and future perspectives. Journal of Hematology and Oncology, 2020, 13, 154.	6.9	28
623	The role of MiRNA-21 in gliomas: Hope for a novel therapeutic intervention?. Toxicology Reports, 2020, 7, 1514-1530.	1.6	31
624	Exosomes Enhance Adhesion and Osteogenic Differentiation of Initial Bone Marrow Stem Cells on Titanium Surfaces. Frontiers in Cell and Developmental Biology, 2020, 8, 583234.	1.8	16
625	CNS-Targeting Therapies for Lysosomal Storage Diseases: Current Advances and Challenges. Frontiers in Molecular Biosciences, 2020, 7, 559804.	1.6	38
626	Caspase-3 Cleaves Extracellular Vesicle Proteins During Auditory Brainstem Development. Frontiers in Cellular Neuroscience, 2020, 14, 573345.	1.8	11
627	Exosomes in the Pathogenesis and Treatment of Multiple Myeloma in the Context of the Bone Marrow Microenvironment. Frontiers in Oncology, 2020, 10, 608815.	1.3	23
628	MicroRNAs in Skeletal Muscle and Hints on Their Potential Role in Muscle Wasting During Cancer Cachexia. Frontiers in Oncology, 2020, 10, 607196.	1.3	15
629	Dexosomes as a cell-free vaccine for cancer immunotherapy. Journal of Experimental and Clinical Cancer Research, 2020, 39, 258.	3.5	79
630	Mechanisms of Action of EGFR Tyrosine Kinase Receptor Incorporated in Extracellular Vesicles. Cells, 2020, 9, 2505.	1.8	18
631	The human EV membranome. Advances in Biomembranes and Lipid Self-Assembly, 2020, , 53-82.	0.3	0
632	Methods to purify DNA from extracellular vesicles: Focus on exosomes. Methods in Enzymology, 2020, 645, 109-118.	0.4	5
633	Advances in Exosome-Based Drug Delivery and Tumor Targeting: From Tissue Distribution to Intracellular Fate . International Journal of Nanomedicine, 2020, Volume 15, 9355-9371.	3.3	132
634	Exosomal MicroRNA-374b-5p From Tubular Epithelial Cells Promoted M1 Macrophages Activation and Worsened Renal Ischemia/Reperfusion Injury. Frontiers in Cell and Developmental Biology, 2020, 8, 587693.	1.8	28
635	Extracellular Vesicles Derived from Intermittent Hypoxiaâ€"Treated Red Blood Cells Impair Endothelial Function Through Regulating eNOS Phosphorylation and ET-1 Expression. Cardiovascular Drugs and Therapy, 2021, 35, 901-913.	1.3	15

#	Article	IF	Citations
636	Extracellular Vesicles, Influential Players of Intercellular Communication within Adult Neurogenic Niches. International Journal of Molecular Sciences, 2020, 21, 8819.	1.8	12
637	Extracellular MicroRNAs as Intercellular Mediators and Noninvasive Biomarkers of Cancer. Cancers, 2020, 12, 3455.	1.7	26
638	Cross-Talk Between Alveolar Macrophages and Lung Epithelial Cells is Essential to Maintain Lung Homeostasis. Frontiers in Immunology, 2020, 11, 583042.	2.2	108
639	The Dichotomous Role of Extracellular Vesicles in the Central Nervous System. IScience, 2020, 23, 101456.	1.9	22
640	Extracellular Vesicles in Viral Infections: Two Sides of the Same Coin?. Frontiers in Cellular and Infection Microbiology, 2020, 10, 593170.	1.8	50
641	The Role of Exosomes in Thyroid Cancer and Their Potential Clinical Application. Frontiers in Oncology, 2020, 10, 596132.	1.3	13
642	Expression Pattern of Seminal Plasma Extracellular Vesicle Small RNAs in Boar Semen. Frontiers in Veterinary Science, 2020, 7, 585276.	0.9	19
643	A Budding Relationship: Bacterial Extracellular Vesicles in the Microbiota-Gut-Brain Axis. International Journal of Molecular Sciences, 2020, 21, 8899.	1.8	45
644	The Case of Medication-Related Osteonecrosis of the Jaw Addressed from a Pathogenic Point of View. Innovative Therapeutic Strategies: Focus on the Most Recent Discoveries on Oral Mesenchymal Stem Cell-Derived Exosomes. Pharmaceuticals, 2020, 13, 423.	1.7	25
645	Mitochondria Control mTORC1 Activity Linked Compartmentalization of eIF4E to Regulate Extracellular Export of microRNAs. Journal of Cell Science, 2020, 133, .	1.2	1
646	Extracellular Vesicles in Diagnosing Chronic Coronary Syndromes the Bumpy Road to Clinical Implementation. International Journal of Molecular Sciences, 2020, 21, 9128.	1.8	8
648	Harnessing the Neural Stem Cell Secretome for Regenerative Neuroimmunology. Frontiers in Cellular Neuroscience, 2020, 14, 590960.	1.8	27
649	Immune Regulation by Dendritic Cell Extracellular Vesicles in Cancer Immunotherapy and Vaccines. Cancers, 2020, 12, 3558.	1.7	35
650	The Role of Extracellular Vesicles in Demyelination of the Central Nervous System. International Journal of Molecular Sciences, 2020, 21, 9111.	1.8	6
651	Cross Talk at the Cytoskeletonâ€“Plasma Membrane Interface: Impact on Neuronal Morphology and Functions. International Journal of Molecular Sciences, 2020, 21, 9133.	1.8	10
652	Comparison of two ASC-derived therapeutics in an in vitro OA model: secretome versus extracellular vesicles. Stem Cell Research and Therapy, 2020, 11, 521.	2.4	30
653	Mitochondrial Transfer and Regulators of Mesenchymal Stromal Cell Function and Therapeutic Efficacy. Frontiers in Cell and Developmental Biology, 2020, 8, 603292.	1.8	81
654	Positively charged goldâ€“silver nanostar enabled molecular characterization of cancer associated extracellular vesicles. Analytical Methods, 2020, 12, 5908-5915.	1.3	7

#	Article	IF	Citations
655	Isolation and characterization of exosomes for cancer research. Journal of Hematology and Oncology, 2020, 13, 152.	6.9	218
656	Activation of multiple receptors stimulates extracellular vesicle release from trophoblast cells. Physiological Reports, 2020, 8, e14592.	0.7	10
657	Roles of microglial membranes in Alzheimer's disease. Current Topics in Membranes, 2020, 86, 301-314.	0.5	2
658	Autophagy in the regulation of protein secretion in immune cells. , 2020, , 141-173.		0
659	Exosome-derived ENO1 regulates integrin Î±6Î²4 expression and promotes hepatocellular carcinoma growth and metastasis. Cell Death and Disease, 2020, 11, 972.	2.7	56
660	Feasibility of Mechanical Extrusion to Coat Nanoparticles with Extracellular Vesicle Membranes. Cells, 2020, 9, 1797.	1.8	32
661	Exosomes: Beyond stem cells for cardiac protection and repair. Stem Cells, 2020, 38, 1387-1399.	1.4	40
662	Recent Advances on Biomarkers of Early and Late Kidney Graft Dysfunction. International Journal of Molecular Sciences, 2020, 21, 5404.	1.8	39
663	Extracellular Vesicle Membrane-Associated Proteins: Emerging Roles in Tumor Angiogenesis and Anti-Angiogenesis Therapy Resistance. International Journal of Molecular Sciences, 2020, 21, 5418.	1.8	28
664	Extracellular Vesicles and MicroRNA: Putative Role in Diagnosis and Treatment of Diabetic Retinopathy. Antioxidants, 2020, 9, 705.	2.2	23
665	Exosomes: Multifaceted Messengers in Atherosclerosis. Current Atherosclerosis Reports, 2020, 22, 57.	2.0	33
666	A polydopamine-based biomimetic multifunctional nanoplatform for multilayer imaging of cancer biomarkers carried by extracellular vesicles. Analyst, The, 2020, 145, 6061-6070.	1.7	3
667	Improvement, scaling-up, and downstream analysis of exosome production. Critical Reviews in Biotechnology, 2020, 40, 1098-1112.	5.1	36
669	Exosomal cargos modulate autophagy in recipient cells via different signaling pathways. Cell and Bioscience, 2020, 10, 92.	2.1	54
670	A Two-Dimensional Affinity Capture and Separation Mini-Platform for the Isolation, Enrichment, and Quantification of Biomarkers and Its Potential Use for Liquid Biopsy. Biomedicines, 2020, 8, 255.	1.4	16
671	Transmissible Endosomal Intoxication: A Balance between Exosomes and Lysosomes at the Basis of Intercellular Amyloid Propagation. Biomedicines, 2020, 8, 272.	1.4	18
672	The UPRosome â€“ decoding novel biological outputs of IRE1Î± function. Journal of Cell Science, 2020, 133, .	1.2	33
673	Insights Into Extracellular Vesicles as Biomarker of NAFLD Pathogenesis. Frontiers in Medicine, 2020, 7, 395.	1.2	20

#	Article	IF	Citations
674	Extracellular vesicle-based liquid biopsy holds great promise for the management of ovarian cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188395.	3.3	14
675	Berberine inhibits cancer cells growth by suppressing fatty acid synthesis and biogenesis of extracellular vesicles. Life Sciences, 2020, 257, 118122.	2.0	31
676	Vesicular Transport of Encapsulated microRNA between Glial and Neuronal Cells. International Journal of Molecular Sciences, 2020, 21, 5078.	1.8	28
677	Exosome-modified PLGA Microspheres for Improved Internalization into Dendritic Cells and Macrophages. Biotechnology and Bioprocess Engineering, 2020, 25, 521-527.	1.4	11
678	Label-free ferrohydrodynamic separation of exosome-like nanoparticles. Lab on A Chip, 2020, 20, 3187-3201.	3.1	22
679	Chimeric apoptotic bodies functionalized with natural membrane and modular delivery system for inflammation modulation. Science Advances, 2020, 6, eaba2987.	4.7	86
680	Regulatory Role of Immune Cell-Derived Extracellular Vesicles in Cancer: The Message Is in the Envelope. Frontiers in Immunology, 2020, 11, 1525.	2.2	19
681	M1 Macrophage Derived Exosomes Aggravate Experimental Autoimmune Neuritis via Modulating Th1 Response. Frontiers in Immunology, 2020, 11, 1603.	2.2	40
682	Emerging role of exosomes in craniofacial and dental applications. Theranostics, 2020, 10, 8648-8664.	4.6	28
683	The application of stem cell therapy and brown adipose tissue transplantation in metabolic disorders. Cytotherapy, 2020, 22, 521-528.	0.3	13
684	Characterization of Extracellular Vesicles from Entamoeba histolytica Identifies Roles in Intercellular Communication That Regulates Parasite Growth and Development. Infection and Immunity, 2020, 88, .	1.0	29
685	Bioactive DNA from extracellular vesicles and particles. Cell Death and Disease, 2020, 11, 584.	2.7	125
686	Effect of Physical Exercise on the Release of Microparticles with Angiogenic Potential. Applied Sciences (Switzerland), 2020, 10, 4871.	1.3	14
687	Expression of Concern Issued: Exosome-Mediated Transfer of Long Noncoding RNA HOTAIR Regulates Temozolomide Resistance by miR-519a-3p/RRM1 Axis in Glioblastoma. Cancer Biotherapy and Radiopharmaceuticals, 2020, , .	0.7	22
688	Analysis of exosomal circRNAs upon irradiation in pancreatic cancer cell repopulation. BMC Medical Genomics, 2020, 13, 107.	0.7	20
689	Therapeutic Potentials of Extracellular Vesicles for the Treatment of Diabetes and Diabetic Complications. International Journal of Molecular Sciences, 2020, 21, 5163.	1.8	25
690	miRNAâ€•and cytokineâ€associated extracellular vesicles mediate squamous cell carcinomas. Journal of Extracellular Vesicles, 2020, 9, 1790159.	5.5	34
691	Microvesicles in Cancer: Small Size, Large Potential. International Journal of Molecular Sciences, 2020, 21, 5373.	1.8	44

#	Article	IF	Citations
692	Lipidomic Analysis Reveals the Importance of GIPCs in Arabidopsis Leaf Extracellular Vesicles. Molecular Plant, 2020, 13, 1523-1532.	3.9	70
693	Curcumin-laden exosomes target ischemic brain tissue and alleviate cerebral ischemia-reperfusion injury by inhibiting ROS-mediated mitochondrial apoptosis. Materials Science and Engineering C, 2020, 117, 111314.	3.8	80
694	Edaravone-Loaded Macrophage-Derived Exosomes Enhance Neuroprotection in the Rat Permanent Middle Cerebral Artery Occlusion Model of Stroke. Molecular Pharmaceutics, 2020, 17, 3192-3201.	2.3	36
695	An update of nanoparticle-based approaches for glioblastoma multiforme immunotherapy. Nanomedicine, 2020, 15, 1861-1871.	1.7	23
696	A Crucial Role for the Protein Quality Control System in Motor Neuron Diseases. Frontiers in Aging Neuroscience, 2020, 12, 191.	1.7	16
697	Development of Novel High-Resolution Size-Guided Turbidimetry-Enabled Particle Purification Liquid Chromatography (PPLC): Extracellular Vesicles and Membraneless Condensates in Focus. International Journal of Molecular Sciences, 2020, 21, 5361.	1.8	18
698	Emerging Role of Extracellular Vesicles in Embryoâ€“Maternal Communication throughout Implantation Processes. International Journal of Molecular Sciences, 2020, 21, 5523.	1.8	16
699	Rational Design of Functional Peptideâ€“Gold Hybrid Nanomaterials for Molecular Interactions. Advanced Materials, 2020, 32, e2000866.	11.1	54
700	Extracellular Vesicles in Acute Stroke Diagnostics. Biomedicines, 2020, 8, 248.	1.4	16
701	Extracellular Vesicle Transfer from Endothelial Cells Drives VE-Cadherin Expression in Breast Cancer Cells, Thereby Causing Heterotypic Cell Contacts. Cancers, 2020, 12, 2138.	1.7	16
702	FcÎµRI Signaling in the Modulation of Allergic Response: Role of Mast Cell-Derived Exosomes. International Journal of Molecular Sciences, 2020, 21, 5464.	1.8	21
703	Microdomains form on the luminal face of neuronal extracellular vesicle membranes. Scientific Reports, 2020, 10, 11953.	1.6	14
704	Electrokinetic characterization of extracellular vesicles with capillary electrophoresis: A new tool for their identification and quantification. Analytica Chimica Acta, 2020, 1128, 42-51.	2.6	33
705	Mud in the blood: the role of protein-mineral complexes and extracellular vesicles in biomineralisation and calcification. Journal of Structural Biology, 2020, 212, 107577.	1.3	38
706	The Convergence of Extracellular Vesicle and GPCR Biology. Trends in Pharmacological Sciences, 2020, 41, 627-640.	4.0	21
707	The Emerging Role of Extracellular Vesicles in the Glioma Microenvironment: Biogenesis and Clinical Relevance. Cancers, 2020, 12, 1964.	1.7	19
708	Platelets Extracellular Vesicles as Regulators of Cancer Progressionâ€”An Updated Perspective. International Journal of Molecular Sciences, 2020, 21, 5195.	1.8	35
709	Extracellular vesicles: where the amyloid precursor protein carboxylâ€terminal fragments accumulate and amyloidâ€Î² oligomerizes. FASEB Journal, 2020, 34, 12922-12931.	0.2	32

#	Article	IF	Citations
710	Exosomes released from Shiga toxin 2aâ€“treated human macrophages modulate inflammatory responses and induce cell death in toxin receptor expressing human cells. Cellular Microbiology, 2020, 22, e13249.	1.1	13
711	Impact of Culture Medium on Cellular Interactions in in vitro Co-culture Systems. Frontiers in Bioengineering and Biotechnology, 2020, 8, 911.	2.0	91
712	Label-Free and Three-Dimensional Visualization Reveals the Dynamics of Plasma Membrane-Derived Extracellular Vesicles. Nano Letters, 2020, 20, 6313-6319.	4.5	15
713	Focus on the morphogenesis, fate and the role in tumor progression of multivesicular bodies. Cell Communication and Signaling, 2020, 18, 122.	2.7	22
714	Extracellular vesicles released by polycyclic aromatic hydrocarbons-treated hepatocytes trigger oxidative stress in recipient hepatocytes by delivering iron. Free Radical Biology and Medicine, 2020, 160, 246-262.	1.3	14
715	Biology and therapeutic potential of mesenchymal stem cellâ€derived exosomes. Cancer Science, 2020, 111, 3100-3110.	1.7	130
716	EV-origin: Enumerating the tissue-cellular origin of circulating extracellular vesicles using exLR profile. Computational and Structural Biotechnology Journal, 2020, 18, 2851-2859.	1.9	67
717	Extracellular vesicles of MSCs and cardiomyoblasts are vehicles for lipid mediators. Biochimie, 2020, 178, 69-80.	1.3	14
718	Manipulation of Regulatory Dendritic Cells for Induction Transplantation Tolerance. Frontiers in Immunology, 2020, 11, 582658.	2.2	15
719	Phenotype-Agnostic Molecular Subtyping of Neurodegenerative Disorders: The Cincinnati Cohort Biomarker Program (CCBP). Frontiers in Aging Neuroscience, 2020, 12, 553635.	1.7	22
720	Fluorescent labeling of extracellular vesicles. Methods in Enzymology, 2020, 645, 15-42.	0.4	13
721	Protein Profiling of Extracellular Vesicles Associated With Cisplatin Resistance in Lung Cancer. Anticancer Research, 2020, 40, 5509-5516.	0.5	7
722	Elevated levels of procoagulant microvesicles in patients with dengue fever. Future Virology, 2020, 15, 701-706.	0.9	4
723	Extracellular Vesicles in the Pathogenesis of Viral Infections in Humans. Viruses, 2020, 12, 1200.	1.5	53
724	Part Two: Extracellular Vesicles as a Risk Factor in Neurodegenerative Diseases. , 2020, , .		0
725	Tetraspanins, More than Markers of Extracellular Vesicles in Reproduction. International Journal of Molecular Sciences, 2020, 21, 7568.	1.8	97
726	Induction of a proliferative response in the zebrafish retina by injection of extracellular vesicles. Experimental Eye Research, 2020, 200, 108254.	1.2	8
727	T cellâ€“derived exosomes induced macrophage inflammatory proteinâ€1Î±/Î² drive the trafficking of CD8⁺ T cells in oral lichen planus. Journal of Cellular and Molecular Medicine, 2020, 24, 14086-14098.	1.6	13

#	Article	IF	Citations
728	Proteomic Profiling of Two Distinct Populations of Extracellular Vesicles Isolated from Human Seminal Plasma. International Journal of Molecular Sciences, 2020, 21, 7957.	1.8	16
729	New Insights on the Mobility of Viral and Host Non-Coding RNAs Reveal Extracellular Vesicles as Intriguing Candidate Antiviral Targets. Pathogens, 2020, 9, 876.	1.2	3
730	Exosomes for Wound Healing: Purification Optimization and Identification of Bioactive Components. Advanced Science, 2020, 7, 2002596.	5.6	52
731	Mesenchymal stromal cells represent a therapeutic option for systemic sclerosis patients. Revista Colombiana De ReumatologÃa (English Edition), 2020, 27, 126-134.	0.1	0
732	The Trypanosoma cruzi TcTASV-C protein subfamily administrated with U-Omp19 promotes a protective response against a lethal challenge in mice. Vaccine, 2020, 38, 7645-7653.	1.7	6
733	Engineering extracellular vesicles for cancer therapy: recent advances and challenges in clinical translation. Biomaterials Science, 2020, 8, 6978-6991.	2.6	16
734	Extracellular vesicles in cancer progression: are they part of the problem or part of the solution?. Nanomedicine, 2020, 15, 2625-2641.	1.7	8
735	Systemic Delivery in Anti-aging Medicine: An Overview. Healthy Ageing and Longevity, 2020, , 3-37.	0.2	0
736	ALIX- and ESCRT-IIIâ€“dependent sorting of tetraspanins to exosomes. Journal of Cell Biology, 2020, 219, .	2.3	215
737	Extracellular vesicles released by anaerobic protozoan parasites: Current situation. Cellular Microbiology, 2020, 22, e13257.	1.1	21
738	Nano-Vesicle (Mis)Communication in Senescence-Related Pathologies. Cells, 2020, 9, 1974.	1.8	26
739	Highâ€Fidelity Determination and Tracing of Small Extracellular Vesicle Cargoes. Small, 2020, 16, e2002800.	5.2	21
740	Extracellular vesicleâ€carried microRNAâ€27b derived from mesenchymal stem cells accelerates cutaneous wound healing via E3 ubiquitin ligase ITCH. Journal of Cellular and Molecular Medicine, 2020, 24, 11254-11271.	1.6	24
741	Characterization and heme oxygenaseâ€1 content of extracellular vesicles in human biofluids. Journal of Neurochemistry, 2021, 157, 2195-2209.	2.1	9
742	Liquid biopsy in the clinical management of hepatocellular carcinoma. Gut, 2020, 69, 2025-2034.	6.1	77
743	Extracellular vesicles: eat glutamine and spit acidic bubbles. EMBO Journal, 2020, 39, e105119.	3.5	3
744	Exploiting Manipulated Small Extracellular Vesicles to Subvert Immunosuppression at the Tumor Microenvironment through Mannose Receptor/CD206 Targeting. International Journal of Molecular Sciences, 2020, 21, 6318.	1.8	17
745	Myeloid Cell Modulation by Tumor-Derived Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 6319.	1.8	26

#	Article	IF	Citations
746	Probiomimeticsâ€”Novel Lactobacillusâ€Mimicking Microparticles Show Antiâ€Inflammatory and Barrierâ€Protecting Effects in Gastrointestinal Models. Small, 2020, 16, e2003158.	5.2	31
747	Extracellular Vesicles in Essential Hypertension: Hidden Messengers. Current Hypertension Reports, 2020, 22, 76.	1.5	12
748	Extracellular Vesicles â€“ Advanced Nanocarriers in Cancer Therapy: Progress and Achievements . International Journal of Nanomedicine, 2020, Volume 15, 6485-6502.	3.3	38
749	Understanding the Mechanisms of Positive Microbial Interactions That Benefit Lactic Acid Bacteria Co-cultures. Frontiers in Microbiology, 2020, 11, 2088.	1.5	67
750	Extracellular Vesicle-Dependent Cross-Talk in Cancerâ€”Focus on Pancreatic Cancer. Frontiers in Oncology, 2020, 10, 1456.	1.3	15
751	Exosomal miR-141 promotes tumor angiogenesis via KLF12 in small cell lung cancer. Journal of Experimental and Clinical Cancer Research, 2020, 39, 193.	3.5	46
752	The Role of Cancer-Associated Fibroblasts and Extracellular Vesicles in Tumorigenesis. International Journal of Molecular Sciences, 2020, 21, 6837.	1.8	46
753	Plasma-derived exosome-like vesicles are enriched in lyso-phospholipids and pass the blood-brain barrier. PLoS ONE, 2020, 15, e0232442.	1.1	32
754	Extracellular Vesicles as Innovative Tool for Diagnosis, Regeneration and Protection against Neurological Damage. International Journal of Molecular Sciences, 2020, 21, 6859.	1.8	52
755	Extracellular Vesicle-Mediated Vascular Cell Communications in Hypertension: Mechanism Insights and Therapeutic Potential of ncRNAs. Cardiovascular Drugs and Therapy, 2020, , 1.	1.3	12
756	Potential diagnostic and therapeutic roles of exosomes in pancreatic cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188414.	3.3	12
757	Small extracellular vesicle-bound vascular endothelial growth factor secreted by carcinoma-associated fibroblasts promotes angiogenesis in a bevacizumab-resistant manner. Cancer Letters, 2020, 492, 71-83.	3.2	32
758	Biological functions and clinical applications of exosomal long nonâ€coding RNAs in cancer. Journal of Cellular and Molecular Medicine, 2020, 24, 11656-11666.	1.6	28
759	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Opportunities and Challenges for Clinical Translation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 997.	2.0	94
760	Engineered Extracellular Vesicles: Tailored-Made Nanomaterials for Medical Applications. Nanomaterials, 2020, 10, 1838.	1.9	66
761	Extracellular Vesicles as Nanotherapeutics for Parkinsonâ€™s Disease. Biomolecules, 2020, 10, 1327.	1.8	19
762	Characterization and internalization of small extracellular vesicles released by human primary macrophages derived from circulating monocytes. PLoS ONE, 2020, 15, e0237795.	1.1	16
763	Transfer of metastatic traits via miRâ€200c in extracellular vesicles derived from colorectal cancer stem cells is inhibited by atractylenolide I. Clinical and Translational Medicine, 2020, 10, e139.	1.7	14

#	Article	IF	Citations
764	Cytokine profiling in serum-derived exosomes isolated by different methods. Scientific Reports, 2020, 10, 14069.	1.6	66
765	Noncanonical Roles of tRNAs: tRNA Fragments and Beyond. Annual Review of Genetics, 2020, 54, 47-69.	3.2	126
766	Emerging Insights on the Biological Impact of Extracellular Vesicle-Associated ncRNAs in Multiple Myeloma. Non-coding RNA, 2020, 6, 30.	1.3	7
767	Experimental and Biological Insights from Proteomic Analyses of Extracellular Vesicle Cargos in Normalcy and Disease. Advanced Biology, 2020, 4, e2000069.	3.0	8
768	Leveraging bioengineering to assess cellular functions and communication within human fetal membranes. Journal of Maternal-Fetal and Neonatal Medicine, 2020, , 1-13.	0.7	2
769	Dengue Virus Degrades USP33â€“ATF3 Axis via Extracellular Vesicles to Activate Human Microglial Cells. Journal of Immunology, 2020, 205, 1787-1798.	0.4	19
770	ITGB3-mediated uptake of small extracellular vesicles facilitates intercellular communication in breast cancer cells. Nature Communications, 2020, 11, 4261.	5.8	92
771	Mastering the Tools: Natural versus Artificial Vesicles in Nanomedicine. Advanced Healthcare Materials, 2020, 9, e2000731.	3.9	34
772	Non-Coding RNAs in Multiple Myeloma Bone Disease Pathophysiology. Non-coding RNA, 2020, 6, 37.	1.3	10
773	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. Archives of Toxicology, 2020, 94, 3645-3669.	1.9	50
774	Internalization of trophoblastic small extracellular vesicles and detection of their miRNA cargo in Pâ€bodies. Journal of Extracellular Vesicles, 2020, 9, 1812261.	5.5	25
775	Simultaneous Regeneration of Bone and Nerves Through Materials and Architectural Design: Are We There Yet?. Advanced Functional Materials, 2020, 30, 2003542.	7.8	17
776	The Role of T Cells and Macrophages in Asthma Pathogenesis: A New Perspective on Mutual Crosstalk. Mediators of Inflammation, 2020, 2020, 1-14.	1.4	26
777	Proteomic Approach for Searching for Universal, Tissue-Specific, and Line-Specific Markers of Extracellular Vesicles in Lung and Colorectal Adenocarcinoma Cell Lines. International Journal of Molecular Sciences, 2020, 21, 6601.	1.8	9
778	Extracellular vesicles in Inflammatory Skin Disorders: from Pathophysiology to Treatment. Theranostics, 2020, 10, 9937-9955.	4.6	33
779	Extracellular vesicles produced by immunomodulatory cells harboring OX40 ligand and 4-1BB ligand enhance antitumor immunity. Scientific Reports, 2020, 10, 15160.	1.6	6
780	Dengue Virus Infection of Aedes aegypti Alters Extracellular Vesicle Protein Cargo to Enhance Virus Transmission. International Journal of Molecular Sciences, 2020, 21, 6609.	1.8	10
782	Purification of HCC-specific extracellular vesicles on nanosubstrates for early HCC detection by digital scoring. Nature Communications, 2020, 11, 4489.	5.8	134

#	Article	IF	Citations
783	Small but Fierce: Tracking the Role of Extracellular Vesicles in Glioblastoma Progression and Therapeutic Resistance. Advanced Biology, 2020, 4, 2000035.	3.0	3
784	Extracellular Vesicles: New Endogenous Shuttles for miRNAs in Cancer Diagnosis and Therapy?. International Journal of Molecular Sciences, 2020, 21, 6486.	1.8	36
785	Mesenchymal Stem Cell-Derived Extracellular Vesicles and Their Therapeutic Potential. Stem Cells International, 2020, 2020, 1-10.	1.2	56
786	The role of extracellular vesicles in cholangiocarcinoma. Cancer Cell International, 2020, 20, .	1.8	7
787	Enzyme-Free Electrochemical Biosensor Based on Localized DNA Cascade Displacement Reaction and Versatile DNA Nanosheets for Ultrasensitive Detection of Exosomal MicroRNA. ACS Applied Materials & Interfaces, 2020, 12, 45648-45656.	4.0	60
788	A panel of extracellular vesicle long noncoding RNAs in seminal plasma for predicting testicular spermatozoa in nonobstructive azoospermia patients. Human Reproduction, 2020, 35, 2413-2427.	0.4	32
789	Exosomal microRNAs are novel circulating biomarkers in cigarette, waterpipe smokers, E-cigarette users and dual smokers. BMC Medical Genomics, 2020, 13, 128.	0.7	33
790	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcomaâ€Derived Extracellular Vesicles for Downstream Functional Studies. Advanced Functional Materials, 2020, 30, 2003237.	7.8	20
791	Quantification of extracellular vesicles in vitro and in vivo using sensitive bioluminescence imaging. Journal of Extracellular Vesicles, 2020, 9, 1800222.	5.5	114
792	A combined â€œeat me/don't eat meâ€•strategy based on extracellular vesicles for anticancer nanomedicine. Journal of Extracellular Vesicles, 2020, 9, 1806444.	5.5	121
793	Vesiclemia: counting on extracellular vesicles for glioblastoma patients. Oncogene, 2020, 39, 6043-6052.	2.6	21
794	Ratios of miRNAs in Peritoneal Exosomes are Useful Biomarkers to Predict Tumor Response to Intraperitoneal Chemotherapy in Patients with Peritoneal Metastases from Gastric Cancer. Annals of Surgical Oncology, 2020, 27, 5057-5064.	0.7	7
795	Cellâ€Membrane Staining Properties and Photocytotoxicity of a Ruthenium(II) Photosensitizer. European Journal of Inorganic Chemistry, 2020, 2020, 3996-4001.	1.0	4
796	Early treatment with exosomes following traumatic brain injury and hemorrhagic shock in a swine model promotes transcriptional changes associated with neuroprotection. Journal of Trauma and Acute Care Surgery, 2020, 89, 536-543.	1.1	22
797	Avian eggshell formation reveals a new paradigm for vertebrate mineralization via vesicular amorphous calcium carbonate. Journal of Biological Chemistry, 2020, 295, 15853-15869.	1.6	18
798	Proteomic Analysis of Exosomes for Discovery of Protein Biomarkers for Prostate and Bladder Cancer. Cancers, 2020, 12, 2335.	1.7	44
799	Uptake and Fate of Extracellular Membrane Vesicles: Nucleoplasmic Reticulum-Associated Late Endosomes as a New Gate to Intercellular Communication. Cells, 2020, 9, 1931.	1.8	38
800	Purification Methods and the Presence of RNA in Virus Particles and Extracellular Vesicles. Viruses, 2020, 12, 917.	1.5	7

#	Article	IF	Citations
801	Plasma exosomal miR-375-3p regulates mitochondria-dependent keratinocyte apoptosis by targeting XIAP in severe drug-induced skin reactions. Science Translational Medicine, 2020, 12, .	5.8	54
802	Extracellular Vesicles: Messengers of p53 in Tumorâ€"Stroma Communication and Cancer Metastasis. International Journal of Molecular Sciences, 2020, 21, 9648.	1.8	23
803	Extracellular Vesicles in HTLV-1 Communication: The Story of an Invisible Messenger. Viruses, 2020, 12, 1422.	1.5	10
804	Optical Tweezers Exploring Neuroscience. Frontiers in Bioengineering and Biotechnology, 2020, 8, 602797.	2.0	20
805	Molecular Pathways Modulated by Mesenchymal Stromal Cells and Their Extracellular Vesicles in Experimental Models of Liver Fibrosis. Frontiers in Cell and Developmental Biology, 2020, 8, 594794.	1.8	17
806	Therapeutic Potential of Exosomes in Pulmonary Fibrosis. Frontiers in Pharmacology, 2020, 11, 590972.	1.6	24
807	Diagnostic roles of urinary kidney microvesicles in diabetic nephropathy. Annals of Translational Medicine, 2020, 8, 1431-1431.	0.7	4
808	Multifaceted Functions of Platelets in Cancer: From Tumorigenesis to Liquid Biopsy Tool and Drug Delivery System. International Journal of Molecular Sciences, 2020, 21, 9585.	1.8	32
809	Cyclic Peptide Mimotopes for the Detection of Serum Antiâ€"ATIC Autoantibody Biomarker in Hepato-Cellular Carcinoma. International Journal of Molecular Sciences, 2020, 21, 9718.	1.8	9
810	Nanovesicle-Mediated Delivery Systems for CRISPR/Cas Genome Editing. Pharmaceutics, 2020, 12, 1233.	2.0	22
811	An Overview of Exosomes in Cancer Therapy: A Small Solution to a Big Problem. Processes, 2020, 8, 1561.	1.3	7
812	Human multipotent mesenchymal stromal cells cytokine priming promotes RAB27B-regulated secretion of small extracellular vesicles with immunomodulatory cargo. Stem Cell Research and Therapy, 2020, 11, 539.	2.4	40
813	Podocyte-Released Migrasomes in Urine Serve as an Indicator for Early Podocyte Injury. Kidney Diseases (Basel, Switzerland), 2020, 6, 422-433.	1.2	30
814	Exosomal circRNAs: Sorting Mechanisms, Roles and Clinical Applications in Tumors. Frontiers in Cell and Developmental Biology, 2020, 8, 581558.	1.8	17
815	INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. International Journal of Environmental Research and Public Health, 2020, 17, 9046.	1.2	8
816	The Potential of Soluble Human Leukocyte Antigen Molecules for Early Cancer Detection and Therapeutic Vaccine Design. Vaccines, 2020, 8, 775.	2.1	9
817	Rejuvenation of Senescent Endothelial Progenitor Cells by Extracellular Vesicles Derived From Mesenchymal Stromal Cells. JACC Basic To Translational Science, 2020, 5, 1127-1141.	1.9	19
818	Hypoxia and extracellular vesicles: A review on methods, vesicular cargo and functions. Journal of Extracellular Vesicles, 2020, 10, e12002.	5.5	97

#	Article	IF	Citations
819	Programmable Extracellular Vesicles for Macromolecule Delivery and Genome Modifications. Developmental Cell, 2020, 55, 784-801.e9.	3.1	56
820	BMSC-derived exosomes from congenital polydactyly tissue alleviate osteoarthritis by promoting chondrocyte proliferation. Cell Death Discovery, 2020, 6, 142.	2.0	24
821	Blood Exosomes Have Neuroprotective Effects in a Mouse Model of Parkinsonâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	1.9	20
822	Mitochondrial RNA in Alzheimerâ€™s Disease Circulating Extracellular Vesicles. Frontiers in Cell and Developmental Biology, 2020, 8, 581882.	1.8	31
823	Versatile Role of Rab27a in Glioma: Effects on Release of Extracellular Vesicles, Cell Viability, and Tumor Progression. Frontiers in Molecular Biosciences, 2020, 7, 554649.	1.6	9
824	Considerations for the Analysis of Small Extracellular Vesicles in Physical Exercise. Frontiers in Physiology, 2020, 11, 576150.	1.3	14
825	Extracellular Vesicles as Potential Biomarkers for Early Detection and Diagnosis of Pancreatic Cancer. Biomedicines, 2020, 8, 581.	1.4	26
826	Cooperation and Interplay between EGFR Signalling and Extracellular Vesicle Biogenesis in Cancer. Cells, 2020, 9, 2639.	1.8	13
827	Characterization and Transcriptome Analysis of Exosomal and Nonexosomal RNAs in Bovine Adipocytes. International Journal of Molecular Sciences, 2020, 21, 9313.	1.8	9
828	Extracellular Vesicles as Unique Signaling Messengers: Role in Lung Diseases. , 2020, 11, 1351-1369.		12
829	Cross-Kingdom Extracellular Vesicles EV-RNA Communication as a Mechanism for Hostâ€“Pathogen Interaction. Frontiers in Cellular and Infection Microbiology, 2020, 10, 593160.	1.8	33
830	Extracellular miR-574-5p Induces Osteoclast Differentiation via TLR 7/8 in Rheumatoid Arthritis. Frontiers in Immunology, 2020, 11, 585282.	2.2	30
831	Bis(monoacylglycero)phosphate, an important actor in the host endocytic machinery hijacked by SARS-CoV-2 and related viruses. Biochimie, 2020, 179, 247-256.	1.3	21
832	Proteomics identifies differences in fibrotic potential of extracellular vesicles from human tendon and muscle fibroblasts. Cell Communication and Signaling, 2020, 18, 177.	2.7	13
833	The Biological Function of Extracellular Vesicles during Fertilization, Early Embryoâ€”Maternal Crosstalk and Their Involvement in Reproduction: Review and Overview. Biomolecules, 2020, 10, 1510.	1.8	19
834	Torque teno virus microRNA detection in cerebrospinal fluids of patients with neurological pathologies. Journal of Clinical Virology, 2020, 133, 104687.	1.6	4
835	Circulating Extracellular Vesicles in Gynecological Tumors: Realities and Challenges. Frontiers in Oncology, 2020, 10, 565666.	1.3	8
836	ExoTracker: a low-pH-activatable fluorescent probe for labeling exosomes and monitoring endocytosis and trafficking. Chemical Communications, 2020, 56, 14869-14872.	2.2	11

#	Article	IF	Citations
837	3D tracking of extracellular vesicles by holographic fluorescence imaging. Science Advances, 2020, 6, .	4.7	27
838	Oligodendrocyte-derived extracellular vesicles as antigen-specific therapy for autoimmune neuroinflammation in mice. Science Translational Medicine, 2020, 12, .	5.8	54
839	Extracellular Vesicle Dissemination of Epidermal Growth Factor Receptor and Ligands and Its Role in Cancer Progression. Cancers, 2020, 12, 3200.	1.7	18
840	Co-Culture of Primary Human Coronary Artery and Internal Thoracic Artery Endothelial Cells Results in Mutually Beneficial Paracrine Interactions. International Journal of Molecular Sciences, 2020, 21, 8032.	1.8	8
841	Comparative Lipidomic Analysis of Extracellular Vesicles Derived from Lactobacillus plantarum APsulloc 331261 Living in Green Tea Leaves Using Liquid Chromatography-Mass Spectrometry. International Journal of Molecular Sciences, 2020, 21, 8076.	1.8	17
842	Effects of Netarsudil on Actin-Driven Cellular Functions in Normal and Glaucomatous Trabecular Meshwork Cells: A Live Imaging Study. Journal of Clinical Medicine, 2020, 9, 3524.	1.0	8
843	Toxic effects on astrocytes of extracellular vesicles from CSF of multiple sclerosis patients: a pilot in vitro study. Polish Journal of Pathology, 2020, 71, 270-276.	0.1	1
844	Effects of Exercise Training on the Paracrine Function of Circulating Angiogenic Cells. International Journal of Sports Medicine, 2020, 42, 1047-1057.	0.8	3
845	Liquid Biopsy in Uveal Melanoma: Are We There Yet?. Ocular Oncology and Pathology, 2021, 7, 1-16.	0.5	19
846	Exosomal PD-L1: New Insights Into Tumor Immune Escape Mechanisms and Therapeutic Strategies. Frontiers in Cell and Developmental Biology, 2020, 8, 569219.	1.8	59
847	Extracellular Vesicles From High Glucose-Treated Podocytes Induce Apoptosis of Proximal Tubular Epithelial Cells. Frontiers in Physiology, 2020, 11, 579296.	1.3	13
848	Innate Lymphoid Cells in the Malignant Melanoma Microenvironment. Cancers, 2020, 12, 3177.	1.7	3
849	Heterogeneity of the nucleic acid repertoire of plasma extracellular vesicles demonstrated using highâ€sensitivity fluorescenceâ€activated sorting. Journal of Extracellular Vesicles, 2020, 9, 1743139.	5.5	27
850	Supplementation with Extracellular Vesicles Derived from Adipose-Derived Stem Cells Increases Fat Graft Survival and Browning in Mice: A Cell-Free Approach to Construct Beige Fat from White Fat Grafting. Plastic and Reconstructive Surgery, 2020, 145, 1183-1195.	0.7	25
851	Transfer of MicroRNA via Macrophage-Derived Extracellular Vesicles Promotes Proneural-to-Mesenchymal Transition in Glioma Stem Cells. Cancer Immunology Research, 2020, 8, 966-981.	1.6	55
852	Extracellular Vesicles Isolated from Human Induced Pluripotent Stem Cell-Derived Neurons Contain a Transcriptional Network. Neurochemical Research, 2020, 45, 1711-1728.	1.6	11
853	Milk-Derived Extracellular Vesicles in Inter-Organism, Cross-Species Communication and Drug Delivery. Proteomes, 2020, 8, 11.	1.7	86
854	Synergies in exosomes and autophagy pathways for cellular homeostasis and metastasis of tumor cells. Cell and Bioscience, 2020, 10, 64.	2.1	92

#	Article	IF	Citations
855	Plasma small extracellular vesicles in hypertensive rats impair reactivity of isolated blood vessels. Journal of Veterinary Medical Science, 2020, 82, 897-902.	0.3	2
856	Knockout of MMP3 Weakens Solid Tumor Organoids and Cancer Extracellular Vesicles. Cancers, 2020, 12, 1260.	1.7	38
857	Connexin-46 Contained in Extracellular Vesicles Enhance Malignancy Features in Breast Cancer Cells. Biomolecules, 2020, 10, 676.	1.8	22
858	Extracellular Vesicles in Cancer. , 2020, , .		5
859	Exosome-templated nanoplasmonics for multiparametric molecular profiling. Science Advances, 2020, 6, eaba2556.	4.7	56
860	Immune Escape Mediated by Exosomal PDâ€Ł1 in Cancer. Advanced Biology, 2020, 4, e2000017.	3.0	19
861	Molecular imaging of extracellular vesicles in vitro via Raman metabolic labelling. Journal of Materials Chemistry B, 2020, 8, 4447-4459.	2.9	18
862	Signaling in and out: long-noncoding RNAs in tumor hypoxia. Journal of Biomedical Science, 2020, 27, 59.	2.6	34
863	DCâ€SIGN mediated internalisation of glycosylated extracellular vesicles from Schistosoma mansoni increases activation of monocyteâ€derived dendritic cells. Journal of Extracellular Vesicles, 2020, 9, 1753420.	5.5	41
864	The versatile roles and clinical implications of exosomal mRNAs and microRNAs in cancer. International Journal of Biological Markers, 2020, 35, 3-19.	0.7	6
865	Plasma-Derived Extracellular Vesicles Convey Protein Signatures That Reflect Pathophysiology in Lung and Pancreatic Adenocarcinomas. Cancers, 2020, 12, 1147.	1.7	20
866	Mesenchymal stromal/stem cell-derived extracellular vesicles in tissue repair: challenges and opportunities. Theranostics, 2020, 10, 5979-5997.	4.6	140
867	Clinical applications of extracellular vesicle long RNAs. Critical Reviews in Clinical Laboratory Sciences, 2020, 57, 508-521.	2.7	15
868	Role of ncRNAs in modulation of liver fibrosis by extracellular vesicles. ExRNA, 2020, 2, .	1.0	5
869	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. Nature Reviews Cardiology, 2020, 17, 685-697.	6.1	228
870	Secretory Autophagy and Its Relevance in Metabolic and Degenerative Disease. Frontiers in Endocrinology, 2020, 11, 266.	1.5	47
871	Extracellular Vesicles From Gastric Cancer Cells Induce PD-L1 Expression on Neutrophils to Suppress T-Cell Immunity. Frontiers in Oncology, 2020, 10, 629.	1.3	38
872	Extracellular vesicles from genetically unstable, oncogene-driven cancer cells trigger micronuclei formation in endothelial cells. Scientific Reports, 2020, 10, 8532.	1.6	18

#	Article	IF	Citations
873	Extracellular vesicles derived from different sources of mesenchymal stem cells: therapeutic effects and translational potential. Cell and Bioscience, 2020, 10, 69.	2.1	83
874	Arthropod exosomes as bubbles with message(s) to transmit vector-borne diseases. Current Opinion in Insect Science, 2020, 40, 39-47.	2.2	18
875	Supported Membrane Platform to Assess Surface Interactions between Extracellular Vesicles and Stromal Cells. ACS Biomaterials Science and Engineering, 2020, 6, 3945-3956.	2.6	3
876	Adult Stem Cell-Derived Extracellular Vesicles in Cancer Treatment: Opportunities and Challenges. Cells, 2020, 9, 1171.	1.8	33
877	The LC3-conjugation machinery specifies cargo loading and secretion of extracellular vesicles. Autophagy, 2020, 16, 1169-1171.	4.3	10
878	Rab27B enhances drug resistance in hepatocellular carcinoma by promoting exosome-mediated drug efflux. Carcinogenesis, 2020, 41, 1583-1591.	1.3	15
879	Schwann cell reprogramming into repair cells increases exosome-loaded miRNA-21 promoting axonal growth. Journal of Cell Science, 2020, 133, .	1.2	46
880	Mechanisms for biogenesis and release of neuronal extracellular vesicles. Current Opinion in Neurobiology, 2020, 63, 104-110.	2.0	20
881	Improved Flow Cytometric Light Scatter Detection of Submicronâ€Sized Particles by Reduction of Optical Background Signals. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 610-619.	1.1	17
882	Caveolin-1 function at the plasma membrane and in intracellular compartments in cancer. Cancer and Metastasis Reviews, 2020, 39, 435-453.	2.7	49
883	An integrative microfluidic device for isolation and ultrasensitive detection of lung cancer-specific exosomes from patient urine. Biosensors and Bioelectronics, 2020, 163, 112290.	5.3	81
884	Role of exosomal microRNA-125b-5p in conferring the metastatic phenotype among pancreatic cancer cells with different potential of metastasis. Life Sciences, 2020, 255, 117857.	2.0	34
885	RNA delivery by extracellular vesicles in mammalian cells and its applications. Nature Reviews Molecular Cell Biology, 2020, 21, 585-606.	16.1	1,010
886	Evidence of the Mechanism by Which Polyomaviruses Exploit the Extracellular Vesicle Delivery System during Infection. Viruses, 2020, 12, 585.	1.5	16
887	Cellular microparticles for tumor targeting delivery: from bench to bedside. Chemical Communications, 2020, 56, 6171-6188.	2.2	11
888	Use of nanosphere self-assembly to pattern nanoporous membranes for the study of extracellular vesicles. Nanoscale Advances, 2020, 2, 4427-4436.	2.2	8
889	Exosomal Long Non-Coding RNAs in Lung Diseases. International Journal of Molecular Sciences, 2020, 21, 3580.	1.8	66
890	Microparticles (Exosomes) and Atherosclerosis. Current Atherosclerosis Reports, 2020, 22, 23.	2.0	40

#	Article	IF	Citations
891	Epithelial cell -derived microvesicles: A safe delivery platform of CRISPR/Cas9 conferring synergistic anti-tumor effect with sorafenib. Experimental Cell Research, 2020, 392, 112040.	1.2	30
892	Bovine Milk Exosomes Affect Proliferation and Protect Macrophages against Cisplatin-Induced Cytotoxicity. Immunological Investigations, 2020, 49, 711-725.	1.0	35
893	Long non-coding RNAs towards precision medicine in gastric cancer: early diagnosis, treatment, and drug resistance. Molecular Cancer, 2020, 19, 96.	7.9	191
894	Three-dimensional culture of MSCs produces exosomes with improved yield and enhanced therapeutic efficacy for cisplatin-induced acute kidney injury. Stem Cell Research and Therapy, 2020, 11, 206.	2.4	127
895	Extracellular Vesicles in Renal Cell Carcinoma: Multifaceted Roles and Potential Applications Identified by Experimental and Computational Methods. Frontiers in Oncology, 2020, 10, 724.	1.3	18
896	Antibody-Free Labeling of Malaria-Derived Extracellular Vesicles Using Flow Cytometry. Biomedicines, 2020, 8, 98.	1.4	3
897	N-Terminal Fatty Acids of NEFMUT Are Required for the CD8+ T-Cell Immunogenicity of In Vivo Engineered Extracellular Vesicles. Vaccines, 2020, 8, 243.	2.1	8
898	Methylation dependent gold adsorption behaviour identifies cancer derived extracellular vesicular DNA. Nanoscale Horizons, 2020, 5, 1317-1323.	4.1	8
899	Extracellular vesicle-encapsulated miR-22-3p from bone marrow mesenchymal stem cell promotes osteogenic differentiation via FTO inhibition. Stem Cell Research and Therapy, 2020, 11, 227.	2.4	64
900	Switching Homes: How Cancer Moves to Bone. International Journal of Molecular Sciences, 2020, 21, 4124.	1.8	14
901	Extracellular Vesicles in Viral Spread and Antiviral Response. Viruses, 2020, 12, 623.	1.5	43
902	Systematic Evaluation of PKH Labelling on Extracellular Vesicle Size by Nanoparticle Tracking Analysis. Scientific Reports, 2020, 10, 9533.	1.6	63
903	Engineered Extracellular Vesicles/Exosomes as a New Tool against Neurodegenerative Diseases. Pharmaceutics, 2020, 12, 529.	2.0	11
904	Exosome mimicry by a HAVCR1â€“NPC1 pathway of endosomal fusion mediates hepatitis A virus infection. Nature Microbiology, 2020, 5, 1096-1106.	5.9	39
905	Use of Stem Cell Extracellular Vesicles as a â€œHolisticâ€•Approach to CNS Repair. Frontiers in Cell and Developmental Biology, 2020, 8, 455.	1.8	24
906	Extracellular vesicle long non-coding RNAs and circular RNAs: Biology, functions and applications in cancer. Cancer Letters, 2020, 489, 111-120.	3.2	37
907	Emerging roles of microRNAs as extracellular vesicle cargo secreted from osteoblasts. Journal of Oral Biosciences, 2020, 62, 228-234.	0.8	9
908	Clinical relevance and functional significance of cell-free microRNA-1260bÂexpression profiles in infiltrative myxofibrosarcoma. Scientific Reports, 2020, 10, 9414.	1.6	6

#	Article	IF	Citations
909	Mesenchymal stem cell-derived exosomes suppress proliferation of T cells by inducing cell cycle arrest through p27kip1/Cdk2 signaling. Immunology Letters, 2020, 225, 16-22.	1.1	31
910	The GABARAP Co-Secretome Identified by APEX2-GABARAP Proximity Labelling of Extracellular Vesicles. Cells, 2020, 9, 1468.	1.8	7
911	Small Extracellular Vesicles Have GST Activity and Ameliorate Senescence-Related Tissue Damage. Cell Metabolism, 2020, 32, 71-86.e5.	7.2	100
912	The cellular and molecular origins of extracellular vesicles released by the helminth pathogen, Fasciola hepatica. International Journal for Parasitology, 2020, 50, 671-683.	1.3	17
913	Effects of oocyteâ€derived paracrine factors on release of extracellular vesicles by murine mural granulosa cells in vitro. Animal Science Journal, 2020, 91, e13385.	0.6	4
914	Death Receptor 5 Displayed on Extracellular Vesicles Decreases TRAIL Sensitivity of Colon Cancer Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 318.	1.8	15
915	Characterization of Immune Cell-derived Extracellular Vesicles and Studying Functional Impact on Cell Environment. Journal of Visualized Experiments, 2020, , .	0.2	1
916	Classical and Nonclassical Intercellular Communication in Senescence and Ageing. Trends in Cell Biology, 2020, 30, 628-639.	3.6	109
917	Matrix Metalloproteinases as Biomarkers of Atherosclerotic Plaque Instability. International Journal of Molecular Sciences, 2020, 21, 3946.	1.8	102
918	Extracellular vesicles as actors in the air pollution related cardiopulmonary diseases. Critical Reviews in Toxicology, 2020, 50, 402-423.	1.9	11
919	The Long and Short of It: The Emerging Roles of Non-Coding RNA in Small Extracellular Vesicles. Cancers, 2020, 12, 1445.	1.7	47
920	Comprehensive landscape of extracellular vesicle-derived RNAs in cancer initiation, progression, metastasis and cancer immunology. Molecular Cancer, 2020, 19, 102.	7.9	129
921	Migrasome and Tetraspanins in Vascular Homeostasis: Concept, Present, and Future. Frontiers in Cell and Developmental Biology, 2020, 8, 438.	1.8	31
922	Extracellular Vesicles: A Therapeutic Option for Liver Fibrosis. International Journal of Molecular Sciences, 2020, 21, 4255.	1.8	34
923	Influence of plasma circulating exosomes obtained from obese women on tumorigenesis and tamoxifen resistance in <scp>MCF</scp>â€7 cells. IUBMB Life, 2020, 72, 1930-1940.	1.5	11
924	The potential of liquid biopsies in gastrointestinal cancer. Clinical Biochemistry, 2020, 84, 1-12.	0.8	14
925	Yâ€RNA subtype ratios in plasma extracellular vesicles are cell typeâ€specific and are candidate biomarkers for inflammatory diseases. Journal of Extracellular Vesicles, 2020, 9, 1764213.	5.5	35
926	Indoor dust extracellular vesicles promote cancer lung metastasis by inducing tumour necrosis factorâ€±. Journal of Extracellular Vesicles, 2020, 9, 1766821.	5.5	9

#	Article	IF	Citations
927	Triple knockdown of CDC37, HSP90â€alpha and HSP90â€beta diminishes extracellular vesiclesâ€driven malignancy events and macrophage M2 polarization in oral cancer. Journal of Extracellular Vesicles, 2020, 9, 1769373.	5.5	62
928	Prospective Applications of Single-Domain Antibodies in Biomedicine. Molecular Biology, 2020, 54, 317-326.	0.4	13
929	Role of pharmacokinetic consideration for the development of drug delivery systems: A historical overview. Advanced Drug Delivery Reviews, 2020, 157, 71-82.	6.6	32
930	Epstein-Barr Virus LMP1 Promotes Syntenin-1- and Hrs-Induced Extracellular Vesicle Formation for Its Own Secretion To Increase Cell Proliferation and Migration. MBio, 2020, 11, .	1.8	43
931	Extracellular Vesicles: New Bullets to Fight Fungal Infections. Trends in Cell Biology, 2020, 30, 589-590.	3.6	8
932	Mesenchymal stem cellâ€derived extracellular vesicles suppress the fibroblast proliferation by downregulating FZD6 expression in fibroblasts via micrRNAâ€29bâ€3p in idiopathic pulmonary fibrosis. Journal of Cellular Physiology, 2020, 235, 8613-8625.	2.0	38
933	Proinflammatory Extracellular Vesicle-Mediated Signaling Contributes toÂthe Induction of Neuroinflammation in Animal Models of Endotoxemia and Peripheral Surgical Stress. Cellular and Molecular Neurobiology, 2021, 41, 1325-1336.	1.7	11
934	Role of the Bone Marrow Milieu in Multiple Myeloma Progression and Therapeutic Resistance. Clinical Lymphoma, Myeloma and Leukemia, 2020, 20, e752-e768.	0.2	28
935	The role of exosomes in stroke. Molecular Biology Reports, 2020, 47, 6217-6228.	1.0	13
936	Strategies and prospects of effective neural circuits reconstruction after spinal cord injury. Cell Death and Disease, 2020, 11, 439.	2.7	56
937	Brain Derived Exosomes Are a Double-Edged Sword in Alzheimerâ€™s Disease. Frontiers in Molecular Neuroscience, 2020, 13, 79.	1.4	64
938	Extracellular Vesicles Induce Mesenchymal Transition and Therapeutic Resistance in Glioblastomas through NFâ€ºB/STAT3 Signaling. Advanced Biology, 2020, 4, 1900312.	3.0	15
939	The Roles of Exosomes in Visual and Auditory Systems. Frontiers in Bioengineering and Biotechnology, 2020, 8, 525.	2.0	18
940	Ran GTPase: A Key Player in Tumor Progression and Metastasis. Frontiers in Cell and Developmental Biology, 2020, 8, 345.	1.8	59
941	Cloaked Viruses and Viral Factors in Cutting Edge Exosome-Based Therapies. Frontiers in Cell and Developmental Biology, 2020, 8, 376.	1.8	24
942	Modulating Cytokine Production via Select Packaging and Secretion From Extracellular Vesicles. Frontiers in Immunology, 2020, 11, 1040.	2.2	48
943	Extracellular Vesicles as Potential Prognostic Markers of Lymphatic Dysfunction. Frontiers in Physiology, 2020, 11, 476.	1.3	13
944	T regulatory cells-derived extracellular vesicles and their contribution to the generation of immune tolerance. Journal of Leukocyte Biology, 2020, 108, 813-824.	1.5	21

#	Article	IF	Citations
945	T2 and T17 cytokines alter the cargo and function of airway epithelium-derived extracellular vesicles. Respiratory Research, 2020, 21, 155.	1.4	13
946	Extracellular vesicles in normal pregnancy and pregnancyâ€related diseases. Journal of Cellular and Molecular Medicine, 2020, 24, 4377-4388.	1.6	42
947	Synaptic Activity and (Neuro)Inflammation in Alzheimerâ€™s Disease: Could Exosomes be an Additional Link?. Journal of Alzheimer's Disease, 2020, 74, 1029-1043.	1.2	11
948	The function and clinical application of extracellular vesicles in innate immune regulation. Cellular and Molecular Immunology, 2020, 17, 323-334.	4.8	171
949	Liquid-Liquid Phase Transition Drives Intra-chloroplast Cargo Sorting. Cell, 2020, 180, 1144-1159.e20.	13.5	70
950	An emerging focus on lipids in extracellular vesicles. Advanced Drug Delivery Reviews, 2020, 159, 308-321.	6.6	289
951	Mesenchymal Stem Cell Derived Extracellular Vesicles in Aging. Frontiers in Cell and Developmental Biology, 2020, 8, 107.	1.8	60
952	A Novel Model of Cancer Drug Resistance: Oncosomal Release of Cytotoxic and Antibody-Based Drugs. Biology, 2020, 9, 47.	1.3	20
953	Interactions between Muscle and Boneâ€"Where Physics Meets Biology. Biomolecules, 2020, 10, 432.	1.8	79
954	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. Basic Research in Cardiology, 2020, 115, 26.	2.5	62
955	Placental small extracellular vesicles: Current questions and investigative opportunities. Placenta, 2020, 102, 34-38.	0.7	25
956	Exosomes Secretion and Autophagy in Long-Term Protection of Neurons from Excitotoxic Damage. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2020, 14, 1-5.	0.2	1
957	Fat Therapeutics: The Clinical Capacity of Adipose-Derived Stem Cells and Exosomes for Human Disease and Tissue Regeneration. Frontiers in Pharmacology, 2020, 11, 158.	1.6	117
958	Unravelling the proteomic landscape of extracellular vesicles in prostate cancer by densityâ€based fractionation of urine. Journal of Extracellular Vesicles, 2020, 9, 1736935.	5.5	101
959	Bridging the Gap: Virus Long-Distance Spread via Tunneling Nanotubes. Journal of Virology, 2020, 94, .	1.5	48
960	Extracellular Vesicles Could Carry an Evolutionary Footprint in Interkingdom Communication. Frontiers in Cellular and Infection Microbiology, 2020, 10, 76.	1.8	20
961	99mTc-radiolabeled HER2 targeted exosome for tumor imaging. European Journal of Pharmaceutical Sciences, 2020, 148, 105312.	1.9	29
962	Capillary zone electrophoresis of bacterial extracellular vesicles: A proof of concept. Journal of Chromatography A, 2020, 1621, 461047.	1.8	26

#	Article	IF	Citations
963	The health effects of ultrafine particles. Experimental and Molecular Medicine, 2020, 52, 311-317.	3.2	436
964	Cell organelles as targets of mammalian cadmium toxicity. Archives of Toxicology, 2020, 94, 1017-1049.	1.9	45
965	Tumour Cell Secretome in Chemoresistance and Tumour Recurrence. Trends in Cancer, 2020, 6, 489-505.	3.8	101
966	MiRNAs in the Peri-Implantation Period: Contribution to Embryoâ€“Maternal Communication in Pigs. International Journal of Molecular Sciences, 2020, 21, 2229.	1.8	31
967	Exosomal noncoding RNAs in Glioma: biological functions and potential clinical applications. Molecular Cancer, 2020, 19, 66.	7.9	218
968	Surface plasmon resonance assay for exosomes based on aptamer recognition and polydopamine-functionalized gold nanoparticles for signal amplification. Mikrochimica Acta, 2020, 187, 251.	2.5	31
969	Extracellular Vesicles in NAFLD/ALD: From Pathobiology to Therapy. Cells, 2020, 9, 817.	1.8	36
970	Biogenic supported lipid bilayers as a tool to investigate nano-bio interfaces. Journal of Colloid and Interface Science, 2020, 570, 340-349.	5.0	24
971	Extracellular vesicles as a platform to study cell-surface membrane proteins. Methods, 2020, 180, 35-44.	1.9	3
972	A liquid biopsy to detect multidrug resistance and disease burden in multiple myeloma. Blood Cancer Journal, 2020, 10, 37.	2.8	24
973	Oral Mesenchymal Stem/Progenitor Cells: The Immunomodulatory Masters. Stem Cells International, 2020, 2020, 1-16.	1.2	84
974	Variability in protein cargo detection in technical and biological replicates of exosome-enriched extracellular vesicles. PLoS ONE, 2020, 15, e0228871.	1.1	14
975	Role of exosomes and exosomal microRNAs in cancer. Future Science OA, 2020, 6, FSO465.	0.9	88
976	Pleiotropic Role and Bidirectional Immunomodulation of Innate Lymphoid Cells in Cancer. Frontiers in Immunology, 2019, 10, 3111.	2.2	24
977	Extracellular Vesicle-Induced Classical Complement Activation Leads to Retinal Endothelial Cell Damage via MAC Deposition. International Journal of Molecular Sciences, 2020, 21, 1693.	1.8	18
978	Extracellular Vesicle Isolation and Characterization from Periprosthetic Joint Synovial Fluid in Revision Total Joint Arthroplasty. Journal of Clinical Medicine, 2020, 9, 516.	1.0	7
979	Mutations in the coat complex II component SEC23B promote colorectal cancer metastasis. Cell Death and Disease, 2020, 11, 157.	2.7	7
980	Multifunctional Detection of Extracellular Vesicles with Surface Plasmon Resonance Microscopy. Analytical Chemistry, 2020, 92, 4884-4890.	3.2	49

#	Article	IF	Citations
981	Tumor-derived extracellular vesicles: Regulators of tumor microenvironment and the enlightenment in tumor therapy. Pharmacological Research, 2020, 159, 105041.	3.1	16
982	Capacity for Seeding and Spreading of Argyrophilic Grain Disease in a Wild-Type Murine Model; Comparisons With Primary Age-Related Tauopathy. Frontiers in Molecular Neuroscience, 2020, 13, 101.	1.4	8
983	Biomarker Organization in Circulating Extracellular Vesicles: New Applications in Detecting Neurodegenerative Diseases. Advanced Biology, 2020, 4, e1900309.	3.0	10
984	Extracellular vesicles for treatment of solid organ ischemiaâ€“reperfusion injury. American Journal of Transplantation, 2020, 20, 3294-3307.	2.6	35
985	Extracellular Vesicles in Viral Infections of the Nervous System. Viruses, 2020, 12, 700.	1.5	22
986	Helminth genome analysis reveals conservation of extracellular vesicle biogenesis pathways but divergence of RNA loading machinery between phyla. International Journal for Parasitology, 2020, 50, 655-661.	1.3	12
987	Study of sRAGE, HMGB1, AGE, and S100A8/A9 Concentrations in Plasma and in Serum-Extracted Extracellular Vesicles of Pregnant Women With Preterm Premature Rupture of Membranes. Frontiers in Physiology, 2020, 11, 609.	1.3	11
988	Circulating transcripts in maternal blood reflect a molecular signature of early-onset preeclampsia. Science Translational Medicine, 2020, 12, .	5.8	47
989	Radioactive Labeling of Milk-Derived Exosomes with 99mTc and In Vivo Tracking by SPECT Imaging. Nanomaterials, 2020, 10, 1062.	1.9	41
990	Massive Release of CD9+ Microvesicles in Human Immunodeficiency Virus Infection, Regardless of Virologic Control. Journal of Infectious Diseases, 2022, 225, 1040-1049.	1.9	13
991	Extracellular vesicles in the therapy of BPD. , 2020, , 129-148.		1
992	Human pluripotent stem cells: A toolbox to understand and treat retinal degeneration. Molecular and Cellular Neurosciences, 2020, 107, 103523.	1.0	16
993	Show Me Your Friends and I Tell You Who You Are: The Many Facets of Prion Protein in Stroke. Cells, 2020, 9, 1609.	1.8	6
994	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. Cardiovascular Research, 2020, 116, 1805-1819.	1.8	39
995	Rapid Isolation of Rare Isotype-Switched Hybridoma Variants: Application to the Generation of IgG2a and IgG2b MAb to CD63, a Late Endosome and Exosome Marker. Antibodies, 2020, 9, 29.	1.2	6
996	AFM-Based High-Throughput Nanomechanical Screening of Single Extracellular Vesicles. Analytical Chemistry, 2020, 92, 10274-10282.	3.2	72
997	Exosome biogenesis, secretion and function of exosomal miRNAs in skeletal muscle myogenesis. Cell Proliferation, 2020, 53, e12857.	2.4	121
998	Extracellular Matrix Mimicking Nanofibrous Scaffolds Modified With Mesenchymal Stem Cell-Derived Extracellular Vesicles for Improved Vascularization. Frontiers in Bioengineering and Biotechnology, 2020, 8, 633.	2.0	37

#	Article	IF	Citations
999	Decellularized skeletal muscles display neurotrophic effects in threeâ€dimensional organotypic cultures. Stem Cells Translational Medicine, 2020, 9, 1233-1243.	1.6	16
1000	Small but significant: Insights and new perspectives of exosomes in cardiovascular disease. Journal of Cellular and Molecular Medicine, 2020, 24, 8291-8303.	1.6	29
1001	Exosomes as Actively Targeted Nanocarriers for Cancer Therapy . International Journal of Nanomedicine, 2020, Volume 15, 4257-4273.	3.3	34
1002	Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains. Cancers, 2020, 12, 1635.	1.7	9
1003	Extracellular Vesicles Mediate B Cell Immune Response and Are a Potential Target for Cancer Therapy. Cells, 2020, 9, 1518.	1.8	35
1004	Transport of Extracellular Vesicles across the Blood-Brain Barrier: Brain Pharmacokinetics and Effects of Inflammation. International Journal of Molecular Sciences, 2020, 21, 4407.	1.8	236
1005	Extracellular vesicle biomarkers of Alzheimer's disease associated with subâ€clinical cognitive decline in late middle age. Alzheimer's and Dementia, 2020, 16, 1293-1304.	0.4	53
1006	Technologies and Standardization in Research on Extracellular Vesicles. Trends in Biotechnology, 2020, 38, 1066-1098.	4.9	250
1007	Combination of Size-Exclusion Chromatography and Ultracentrifugation Improves the Proteomic Profiling of Plasma-Derived Small Extracellular Vesicles. Biological Procedures Online, 2020, 22, 12.	1.4	42
1008	Bioinspired Biomaterials. Advances in Experimental Medicine and Biology, 2020, , .	0.8	5
1009	Exosomeâ€“transmitted microRNAâ€133b inhibited bladder cancer proliferation by upregulating dualâ€specificity protein phosphatase 1. Cancer Medicine, 2020, 9, 6009-6019.	1.3	32
1010	Endothelial cellâ€derived extracellular vesicles alter vascular smooth muscle cell phenotype through highâ€mobility group box proteins. Journal of Extracellular Vesicles, 2020, 9, 1781427.	5.5	45
1011	The RNAâ€binding protein hnRNPU regulates the sorting of microRNAâ€30câ€5p into large extracellular vesicles. Journal of Extracellular Vesicles, 2020, 9, 1786967.	5.5	56
1012	The biology , function , and biomedical applications of exosomes. Science, 2020, 367, .	6.0	4,742
1013	Tspan8-Tumor Extracellular Vesicle-Induced Endothelial Cell and Fibroblast Remodeling Relies on the Target Cell-Selective Response. Cells, 2020, 9, 319.	1.8	18
1014	Recent advances in single extracellular vesicle detection methods. Biosensors and Bioelectronics, 2020, 154, 112056.	5.3	56
1015	Adipose Tissue-Derived Stem Cells: Immunomodulatory Effects and Therapeutic Potential. Physiology, 2020, 35, 125-133.	1.6	64
1016	Extracellular Vesicles Derived from Senescent Fibroblasts Attenuate the Dermal Effect on Keratinocyte Differentiation. International Journal of Molecular Sciences, 2020, 21, 1022.	1.8	29

#	Article	IF	Citations
1017	Emerging Potential of Exosomes in Regenerative Medicine for Temporomandibular Joint Osteoarthritis. International Journal of Molecular Sciences, 2020, 21, 1541.	1.8	51
1018	Tetraspanin-6 negatively regulates exosome production. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5913-5922.	3.3	52
1019	NAFLD and NASH. , 2020, , .		1
1020	Chemical manipulations to facilitate membrane blebbing and vesicle shedding on the cellular cortex. Biotechnology Letters, 2020, 42, 1137-1145.	1.1	1
1021	Dynamism of Supramolecular DNA/RNA Nanoarchitectonics: From Interlocked Structures to Molecular Machines. Bulletin of the Chemical Society of Japan, 2020, 93, 581-603.	2.0	75
1022	From laboratory to clinic: Translation of extracellular vesicle based cancer biomarkers. Methods, 2020, 177, 58-66.	1.9	55
1023	Characterization and regulation of extracellular vesicles in the lumen of the ovine uterusâ€. Biology of Reproduction, 2020, 102, 1020-1032.	1.2	38
1024	Exosomal biomarkers for cancer diagnosis and patient monitoring. Expert Review of Molecular Diagnostics, 2020, 20, 387-400.	1.5	63
1025	Rapid Size-Based Isolation of Extracellular Vesicles by Three-Dimensional Carbon Nanotube Arrays. ACS Applied Materials & Interfaces, 2020, 12, 13134-13139.	4.0	23
1026	Glioma-derived endothelial cells promote glioma cells migration via extracellular vesicles-mediated transfer of MYO1C. Biochemical and Biophysical Research Communications, 2020, 525, 155-161.	1.0	6
1027	The cell biology of the retinal pigment epithelium. Progress in Retinal and Eye Research, 2020, 78, 100846.	7.3	199
1028	Introduction to the special issue: Extracellular vesicles and biological signal delivery in the inflammatory microenvironment. Cytokine and Growth Factor Reviews, 2020, 51, 10-11.	3.2	3
1029	Leukobiopsy â€“ A Possible New Liquid Biopsy Platform for Detecting Oncogenic Mutations. Frontiers in Pharmacology, 2019, 10, 1608.	1.6	6
1030	Cell Membrane Nanotherapeutics: From Synthesis to Applications Emerging Tools for Personalized Cancer Therapy. Advanced Therapeutics, 2020, 3, 1900201.	1.6	44
1031	Inside-out: from endosomes to extracellular vesicles in fungal RNA transport. Fungal Biology Reviews, 2020, 34, 89-99.	1.9	18
1032	Extracellular Vesicles in Oral Squamous Cell Carcinoma and Oral Potentially Malignant Disorders: A Systematic Review. International Journal of Molecular Sciences, 2020, 21, 1197.	1.8	21
1033	Pharmacotherapy to gene editing: potential therapeutic approaches for Hutchinsonâ€“Gilford progeria syndrome. GeroScience, 2020, 42, 467-494.	2.1	12
1034	The LC3-conjugation machinery specifies the loading of RNA-binding proteins into extracellular vesicles. Nature Cell Biology, 2020, 22, 187-199.	4.6	300

#	Article	IF	Citations
1035	Participation of Extracellular Vesicles from Zika-Virus-Infected Mosquito Cells in the Modification of NaÃ¯ve Cellsâ€™ Behavior by Mediating Cell-to-Cell Transmission of Viral Elements. Cells, 2020, 9, 123.	1.8	29
1036	Mechanical characterization of vesicles and cells: A review. Electrophoresis, 2020, 41, 449-470.	1.3	24
1037	AÂtreatise on endothelial biology and exosomes: homage to Theresa Maria Listowska Whiteside. Hno, 2020, 68, 71-79.	0.4	2
1038	Autophagy and Protein Secretion. Journal of Molecular Biology, 2020, 432, 2525-2545.	2.0	53
1039	microRNA and exosome profiling in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 599-604.	1.4	46
1040	Effects of exosome-mediated delivery of myostatin propeptide on functional recovery of mdx mice. Biomaterials, 2020, 236, 119826.	5.7	58
1041	Emerging nanomedicine-based strategies for preventing metastasis of pancreatic cancer. Journal of Controlled Release, 2020, 320, 105-111.	4.8	27
1042	Unraveling the mechanisms that specify molecules for secretion in extracellular vesicles. Methods, 2020, 177, 15-26.	1.9	50
1043	Extracellular Vesicles, A Possible Theranostic Platform Strategy for Hepatocellular Carcinomaâ€”An Overview. Cancers, 2020, 12, 261.	1.7	13
1044	Nasal Microbiota Modifies the Effects of Particulate Air Pollution on Plasma Extracellular Vesicles. International Journal of Environmental Research and Public Health, 2020, 17, 611.	1.2	8
1045	GDE3 regulates oligodendrocyte precursor proliferation via release of soluble CNTFRÎ±. Development (Cambridge), 2020, 147, .	1.2	16
1046	Deep Sequencing Analysis Reveals Distinctive Non-Coding RNAs When Comparing Tumor Multidrug-Resistant Cells and Extracellular Vesicles with Drug-Sensitive Counterparts. Cancers, 2020, 12, 200.	1.7	13
1047	Lowâ€intensity pulsed ultrasound affects growth, differentiation, migration, and epithelialâ€toâ€mesenchymal transition of colorectal cancer cells. Journal of Cellular Physiology, 2020, 235, 5363-5377.	2.0	10
1048	The profiles of microRNAs from urinary extracellular vesicles (EVs) prepared by various isolation methods and their correlation with serum EV microRNAs. Diabetes Research and Clinical Practice, 2020, 160, 108010.	1.1	29
1049	Unique microRNA Signals in Plasma Exosomes from Pregnancies Complicated by Preeclampsia. Hypertension, 2020, 75, 762-771.	1.3	92
1050	L(C3)icensing of exosomes for RNA export. Nature Cell Biology, 2020, 22, 137-139.	4.6	4
1051	High-sensitive and multiplex biosensing assay of NSCLC-derived exosomes via different recognition sites based on SPRi array. Biosensors and Bioelectronics, 2020, 154, 112066.	5.3	63
1052	Applications of extracellular vesicles in tissue regeneration. Biomicrofluidics, 2020, 14, 011501.	1.2	24

#	Article	IF	Citations
1053	Exosomes from EV71â€infected oral epithelial cells can transfer miRâ€30a to promote EV71 infection. Oral Diseases, 2020, 26, 778-788.	1.5	15
1054	Biosensing extracellular vesicles: contribution of biomolecules in affinity-based methods for detection and isolation. Analyst, The, 2020, 145, 1997-2013.	1.7	15
1055	Adipose Stem Cell-Derived Extracellular Vesicles Induce Proliferation of Schwann Cells via Internalization. Cells, 2020, 9, 163.	1.8	33
1056	Proteomic analysis of two populations of Schistosoma mansoni-derived extracellular vesicles: 15k pellet and 120k pellet vesicles. Molecular and Biochemical Parasitology, 2020, 236, 111264.	0.5	42
1057	Small RNA Sequencing Reveals Exosomal miRNAs Involved in the Treatment of Asthma by Scorpio and Centipede. BioMed Research International, 2020, 2020, 1-12.	0.9	7
1058	A Role for Exosomes in Craniofacial Tissue Engineering and Regeneration. Frontiers in Physiology, 2019, 10, 1569.	1.3	54
1059	Liver governs adipose remodelling via extracellular vesicles in response to lipid overload. Nature Communications, 2020, 11, 719.	5.8	89
1060	The KRAS-BCAA-BCAT2 axis in PDAC development. Nature Cell Biology, 2020, 22, 139-140.	4.6	5
1061	Isolation and analysis of extracellular vesicles in a Morpho butterfly wing-integrated microvortex biochip. Biosensors and Bioelectronics, 2020, 154, 112073.	5.3	53
1062	Exosomes derived from mesenchymal stem cells repair a Parkinsonâ€™s disease model by inducing autophagy. Cell Death and Disease, 2020, 11, 288.	2.7	148
1063	An engineered exosome for delivering sgRNA:Cas9 ribonucleoprotein complex and genome editing in recipient cells. Biomaterials Science, 2020, 8, 2966-2976.	2.6	94
1064	A live cell reporter of exosome secretion and uptake reveals pathfinding behavior of migrating cells. Nature Communications, 2020, 11, 2092.	5.8	162
1065	Fourierâ€transform Infrared (FTâ€IR) spectroscopy fingerprints subpopulations of extracellular vesicles of different sizes and cellular origin. Journal of Extracellular Vesicles, 2020, 9, 1741174.	5.5	43
1066	Potential Use of Extracellular Vesicles Generated by Microbubble-Assisted Ultrasound as Drug Nanocarriers for Cancer Treatment. International Journal of Molecular Sciences, 2020, 21, 3024.	1.8	13
1067	Adipose-Derived Stem Cells Primed with Paclitaxel Inhibit Ovarian Cancer Spheroid Growth and Overcome Paclitaxel Resistance. Pharmaceutics, 2020, 12, 401.	2.0	17
1068	Platelet factor 4 and Î²-thromboglobulin mRNAs in circulating microparticles of trauma patients as diagnostic markers for deep vein thrombosis. Journal of Thrombosis and Thrombolysis, 2020, 50, 525-532.	1.0	3
1069	Minimally Invasive Cell-Free Human Embryo Aneuploidy Testing (miPGT-A) Utilizing Combined Spent Embryo Culture Medium and Blastocoel Fluid â€“Towards Development of a Clinical Assay. Scientific Reports, 2020, 10, 7244.	1.6	25
1070	Microglia in Multiple Sclerosis: Friend or Foe?. Frontiers in Immunology, 2020, 11, 374.	2.2	130

#	Article	IF	Citations
1071	Nutritional Exchanges Within Tumor Microenvironment: Impact for Cancer Aggressiveness. Frontiers in Oncology, 2020, 10, 396.	1.3	35
1072	Extracellular Vesicles Function as Bioactive Molecular Transmitters in the Mammalian Oviduct: An Inspiration for Optimizing in Vitro Culture Systems and Improving Delivery of Exogenous Nucleic Acids during Preimplantation Embryonic Development. International Journal of Molecular Sciences, 2020, 21, 2189.	1.8	13
1073	Extracellular vesicles in the oligodendrocyte microenvironment. Neuroscience Letters, 2020, 725, 134915.	1.0	20
1074	Gold Nanocluster Extracellular Vesicle Supraparticles: Self-Assembled Nanostructures for Three-Dimensional Uptake Visualization. Langmuir, 2020, 36, 3912-3923.	1.6	11
1075	Prospects and challenges of extracellular vesicle-based drug delivery system: considering cell source. Drug Delivery, 2020, 27, 585-598.	2.5	295
1076	Approaches to inducing antigenâ€specific immune tolerance in allergy and autoimmunity: Focus on antigenâ€presenting cells and extracellular vesicles. Scandinavian Journal of Immunology, 2020, 91, e12881.	1.3	12
1077	Cell Senescence and Mesenchymal Stromal Cells. Human Physiology, 2020, 46, 85-93.	0.1	2
1078	Extracellular Vesicles Derived Human-miRNAs Modulate the Immune System in Type 1 Diabetes. Frontiers in Cell and Developmental Biology, 2020, 8, 202.	1.8	29
1079	The Biogenesis, Biology, and Clinical Significance of Exosomal PD-L1 in Cancer. Frontiers in Immunology, 2020, 11, 604.	2.2	51
1080	Inducible Polarized Secretion of Exosomes in T and B Lymphocytes. International Journal of Molecular Sciences, 2020, 21, 2631.	1.8	38
1081	Tumor circulome in the liquid biopsies for cancer diagnosis and prognosis. Theranostics, 2020, 10, 4544-4556.	4.6	85
1082	Lipidomics and RNA sequencing reveal a novel subpopulation of nanovesicle within extracellular matrix biomaterials. Science Advances, 2020, 6, eaay4361.	4.7	54
1083	Uptake of osteoblast-derived extracellular vesicles promotes the differentiation of osteoclasts in the zebrafish scale. Communications Biology, 2020, 3, 190.	2.0	50
1084	Exosomal miRNAs in hepatitis B virus related liver disease: a new hope for biomarker. Gut Pathogens, 2020, 12, 23.	1.6	30
1085	microRNAs identified in prostate cancer: Correlative studies on response to ionizing radiation. Molecular Cancer, 2020, 19, 63.	7.9	28
1086	Treatment with Mesenchymal-Derived Extracellular Vesicles Reduces Injury-Related Pathology in Pyramidal Neurons of Monkey Perilesional Ventral Premotor Cortex. Journal of Neuroscience, 2020, 40, 3385-3407.	1.7	31
1087	Role of the Choroid Plexus in Health and Disease. Physiology in Health and Disease, 2020, , .	0.2	5
1088	M1 But Not M0 Extracellular Vesicles Induce Polarization of RAW264.7 Macrophages Via the TLR4-NFÎºB Pathway In Vitro. Inflammation, 2020, 43, 1611-1619.	1.7	27

#	Article	IF	Citations
1089	Extracellular vesicles as drug delivery systems: Why and how?. Advanced Drug Delivery Reviews, 2020, 159, 332-343.	6.6	606
1090	Optical, electrochemical and electrical (nano)biosensors for detection of exosomes: A comprehensive overview. Biosensors and Bioelectronics, 2020, 161, 112222.	5.3	128
1091	Low-intensity ultrasound radiation increases exosome yield for efficient drug delivery. Journal of Drug Delivery Science and Technology, 2020, 57, 101713.	1.4	16
1092	Liver fluke granulin promotes extracellular vesicle-mediated crosstalk and cellular microenvironment conducive to cholangiocarcinoma. Neoplasia, 2020, 22, 203-216.	2.3	18
1093	Strategic reconstruction of macrophage-derived extracellular vesicles as a magnetic resonance imaging contrast agent. Biomaterials Science, 2020, 8, 2887-2904.	2.6	32
1094	Dysregulation of Exosome Cargo by Mutant Tau Expressed in Human-induced Pluripotent Stem Cell (iPSC) Neurons Revealed by Proteomics Analyses. Molecular and Cellular Proteomics, 2020, 19, 1017-1034.	2.5	34
1095	Membraneâ€bbinding peptides for extracellular vesicles onâ€chip analysis. Journal of Extracellular Vesicles, 2020, 9, 1751428.	5.5	47
1096	Regenerative abilities of mesenchymal stem cells via acting as an ideal vehicle for subcellular component delivery in acute kidney injury. Journal of Cellular and Molecular Medicine, 2020, 24, 4882-4891.	1.6	11
1097	hnRNPA2B1 Associated with Recruitment of RNA into Exosomes Plays a Key Role in Herpes Simplex Virus 1 Release from Infected Cells. Journal of Virology, 2020, 94, .	1.5	23
1098	Exosomes Derived from Brain Metastatic Breast Cancer Cells Destroy the Blood-Brain Barrier by Carrying lncRNA GS1-600G8.5. BioMed Research International, 2020, 2020, 1-10.	0.9	61
1099	MiR-30b-5p regulates the lipid metabolism by targeting PPARGC1A in Huh-7 cell line. Lipids in Health and Disease, 2020, 19, 76.	1.2	25
1100	Exosomal miRNAs in tumor microenvironment. Journal of Experimental and Clinical Cancer Research, 2020, 39, 67.	3.5	110
1101	Mechanisms of Cardiovascular Disorders in Patients With Chronic Kidney Disease: A Process Related to Accelerated Senescence. Frontiers in Cell and Developmental Biology, 2020, 8, 185.	1.8	76
1102	Trypanosoma cruzi-Infected Human Macrophages Shed Proinflammatory Extracellular Vesicles That Enhance Host-Cell Invasion via Toll-Like Receptor 2. Frontiers in Cellular and Infection Microbiology, 2020, 10, 99.	1.8	41
1103	Natural-Killer-Derived Extracellular Vesicles: Immune Sensors and Interactors. Frontiers in Immunology, 2020, 11, 262.	2.2	87
1104	Targeting and Crossing the Blood-Brain Barrier with Extracellular Vesicles. Cells, 2020, 9, 851.	1.8	270
1105	Mother and Embryo Cross-Communication. Genes, 2020, 11, 376.	1.0	29
1106	Alveolar Epithelial Type II Cells as Drivers of Lung Fibrosis in Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2020, 21, 2269.	1.8	202

#	Article	IF	Citations
1107	Therapeutic Use of Extracellular Vesicles for Acute and Chronic Lung Disease. International Journal of Molecular Sciences, 2020, 21, 2318.	1.8	63
1108	Extracellular Vesicles as Signaling Mediators and Disease Biomarkers across Biological Barriers. International Journal of Molecular Sciences, 2020, 21, 2514.	1.8	121
1109	Biological insight into the extracellular vesicles in women with and without gestational diabetes. Journal of Endocrinological Investigation, 2021, 44, 49-61.	1.8	16
1110	Dancing with Trojan horses: an interplay between the extracellular vesicles and viruses. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3034-3060.	2.0	27
1111	Right, left and cilia: How asymmetry is established. Seminars in Cell and Developmental Biology, 2021, 110, 11-18.	2.3	38
1112	Regenerative Medicine in COVID-19 Treatment: Real Opportunities and Range of Promises. Stem Cell Reviews and Reports, 2021, 17, 163-175.	1.7	59
1113	Liver-derived extracellular vesicles: A cell by cell overview to isolation and characterization practices. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129559.	1.1	8
1114	Deep dive on the proteome of salivary extracellular vesicles: comparison between ultracentrifugation and polymer-based precipitation isolation. Analytical and Bioanalytical Chemistry, 2021, 413, 365-375.	1.9	18
1115	Extracellular vesicleâ€associated organotropic metastasis. Cell Proliferation, 2021, 54, e12948.	2.4	36
1116	Extracellular vesicles enriched with miR-150 released by macrophages regulates the TP53-IGF-1 axis to alleviate myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H969-H979.	1.5	5
1117	Ageing and mesenchymal stem cells derived exosomes: Molecular insight and challenges. Cell Biochemistry and Function, 2021, 39, 60-66.	1.4	63
1118	Non-coding RNA derived from extracellular vesicles in cancer immune escape: Biological functions and potential clinical applications. Cancer Letters, 2021, 501, 234-246.	3.2	20
1119	Extracellular vesicle-based therapeutics for the regeneration of chronic wounds: current knowledge and future perspectives. Acta Biomaterialia, 2021, 119, 42-56.	4.1	53
1120	Role of exosome in autoimmunity, with a particular emphasis on rheumatoid arthritis. International Journal of Rheumatic Diseases, 2021, 24, 159-169.	0.9	19
1121	Expression profile of serum-related exosomal miRNAs from parathyroid tumor. Endocrine, 2021, 72, 239-248.	1.1	6
1122	Extracellular vesicles: A bright star of nanomedicine. Biomaterials, 2021, 269, 120467.	5.7	179
1123	Exosome vesicle as a nano-therapeutic carrier for breast cancer. Journal of Drug Targeting, 2021, 29, 121-130.	2.1	12
1124	Towards analyzing the potential of exosomes to deliver microRNA therapeutics. Journal of Cellular Physiology, 2021, 236, 1529-1544.	2.0	17

#	Article	IF	Citations
1125	Microfluidics for extracellular vesicle separation and mimetic synthesis: Recent advances and future perspectives. Chemical Engineering Journal, 2021, 404, 126110.	6.6	33
1126	The novel targetï¼šexosoms derived from M2 macrophage. International Reviews of Immunology, 2021, 40, 183-196.	1.5	9
1127	Trends in Salivary Gland Tissue Engineering: From Stem Cells to Secretome and Organoid Bioprinting. Tissue Engineering - Part B: Reviews, 2021, 27, 155-165.	2.5	20
1128	Deciphering the messages carried by extracellular vesicles in hematological malignancies. Blood Reviews, 2021, 46, 100734.	2.8	21
1129	Characterization and proteomic analysis of outer membrane vesicles from a commensal microbe, Enterobacter cloacae. Journal of Proteomics, 2021, 231, 103994.	1.2	27
1130	Integrins Control Vesicular Trafficking; New Tricks for Old Dogs. Trends in Biochemical Sciences, 2021, 46, 124-137.	3.7	37
1131	An exosome pathway without an ESCRT. Cell Research, 2021, 31, 105-106.	5.7	42
1132	Necroptotic extracellular vesicles â€“ present and future. Seminars in Cell and Developmental Biology, 2021, 109, 106-113.	2.3	10
1133	Advances in Exosomesâ€Based Drug Delivery Systems. Macromolecular Bioscience, 2021, 21, e2000269.	2.1	51
1134	Engineered extracellular vesicle decoy receptor-mediated modulation of the IL6 trans-signalling pathway in muscle. Biomaterials, 2021, 266, 120435.	5.7	26
1135	An Emerging Fluorescence-Based Technique for Quantification and Protein Profiling of Extracellular Vesicles. SLAS Technology, 2021, 26, 189-199.	1.0	5
1136	IKKÎ² activation promotes amphisome formation and extracellular vesicle secretion in tumor cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118857.	1.9	20
1137	Inhibition of clathrinâ€mediated endocytosis by knockdown of <scp>AP</scp>â€2 leads to alterations in the plasma membrane proteome. Traffic, 2021, 22, 6-22.	1.3	16
1138	Alzheimerâ€™s disease brain-derived extracellular vesicles spread tau pathology in interneurons. Brain, 2021, 144, 288-309.	3.7	132
1139	Multifaceted role of extracellular vesicles in atherosclerosis. Atherosclerosis, 2021, 319, 121-131.	0.4	36
1140	Immunomodulatory properties of extracellular vesicles in the dialogue between placental and immune cells. American Journal of Reproductive Immunology, 2021, 85, e13383.	1.2	16
1141	Therapeutic Potential of Extracellular Vesicles in Hypertension-Associated Kidney Disease. Hypertension, 2021, 77, 28-38.	1.3	18
1142	Biological role and clinical relevance of extracellular vesicles as key mediators of cell communication in cancer. Advances in Biomembranes and Lipid Self-Assembly, 2021, 33, 37-117.	0.3	4

#	Article	IF	Citations
1143	Shedding Light on Extracellular Vesicle Biogenesis and Bioengineering. Advanced Science, 2021, 8, 2003505.	5.6	192
1144	Preclinical Studies of MSC-Derived Extracellular Vesicles to Treat or Prevent Graft Versus Host Disease: a Systematic Review of the Literature. Stem Cell Reviews and Reports, 2021, 17, 332-340.	1.7	14
1145	Extracellular vesicles and oncogenic signaling. Molecular Oncology, 2021, 15, 3-26.	2.1	30
1146	Towards translation of surface-enhanced Raman spectroscopy (SERS) to clinical practice: Progress and trends. TrAC - Trends in Analytical Chemistry, 2021, 134, 116122.	5.8	62
1147	The Yin and Yang of tumour-derived extracellular vesicles in tumour immunity. Journal of Biochemistry, 2021, 169, 155-161.	0.9	2
1148	Hypoperfusion is a potential inducer of immunosuppressive network in Alzheimer's disease. Neurochemistry International, 2021, 142, 104919.	1.9	7
1149	Progenitor cell-derived exosomes endowed with VEGF plasmids enhance osteogenic induction and vascular remodeling in large segmental bone defects. Theranostics, 2021, 11, 397-409.	4.6	111
1150	Effects of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Lung Diseases: Current Status and Future Perspectives. Stem Cell Reviews and Reports, 2021, 17, 440-458.	1.7	27
1151	miRNAs in osteoclast biology. Bone, 2021, 143, 115757.	1.4	18
1152	LAPTM4B controls the sphingolipid and ether lipid signature of small extracellular vesicles. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158855.	1.2	8
1153	PADs in cancer: Current and future. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188492.	3.3	7
1154	Extracellular vesicles secreted by model tapeworm Hymenolepis diminuta: biogenesis, ultrastructure and protein composition. International Journal for Parasitology, 2021, 51, 327-332.	1.3	12
1155	Microglial vesicles improve post-stroke recovery by preventing immune cell senescence and favoring oligodendrogenesis. Molecular Therapy, 2021, 29, 1439-1458.	3.7	55
1156	Polarized cells display asymmetric release of extracellular vesicles. Traffic, 2021, 22, 98-110.	1.3	12
1157	Harnessing Single-Cell RNA Sequencing to Better Understand How Diseased Cells Behave the Way They Do in Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 585-600.	1.1	26
1158	Phosphoproteomics identify arachidonic-acid-regulated signal transduction pathways modulating macrophage functions with implications for ovarian cancer. Theranostics, 2021, 11, 1377-1395.	4.6	22
1159	Imaging as a tool to accelerate the translation of extracellular vesicleâ€based therapies for central nervous system diseases. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1688.	3.3	4
1160	Towards applications of bioentities@MOFs in biomedicine. Coordination Chemistry Reviews, 2021, 429, 213651.	9.5	121

#	Article	IF	Citations
1161	Precise Nanosizing with High Dynamic Range Holography. Nano Letters, 2021, 21, 317-322.	4.5	12
1162	Pathogenic and protective roles of extracellular vesicles in neurodegenerative diseases. Journal of Biochemistry, 2021, 169, 181-186.	0.9	9
1163	Breast cancer exosomes contribute to pre-metastatic niche formation and promote bone metastasis of tumor cells. Theranostics, 2021, 11, 1429-1445.	4.6	163
1164	A Review of the Functions of Matrix Vesicles in Periodontal Tissues. Stem Cells and Development, 2021, 30, 165-176.	1.1	8
1165	Protective Effects of Human Liver Stem Cell-Derived Extracellular Vesicles in a Mouse Model of Hepatic Ischemia-Reperfusion Injury. Stem Cell Reviews and Reports, 2021, 17, 459-470.	1.7	14
1166	Optical Imaging of Electrical and Mechanical Couplings between Cells. ACS Sensors, 2021, 6, 508-512.	4.0	3
1167	Exosomeâ€derived long nonâ€coding RNA ADAMTS9â€AS2 suppresses progression of oral submucous fibrosis via AKT signalling pathway. Journal of Cellular and Molecular Medicine, 2021, 25, 2262-2273.	1.6	25
1168	Mitochondrial DNA in extracellular vesicles declines with age. Aging Cell, 2021, 20, e13283.	3.0	76
1169	Embryonic Stem Cell-Derived Extracellular Vesicles Maintain ESC Stemness by Activating FAK. Developmental Cell, 2021, 56, 277-291.e6.	3.1	43
1170	The forces driving cancer extracellular vesicle secretion. Neoplasia, 2021, 23, 149-157.	2.3	43
1171	One-step quantification of salivary exosomes based on combined aptamer recognition and quantum dot signal amplification. Biosensors and Bioelectronics, 2021, 171, 112733.	5.3	45
1172	STIM1 a calcium sensor promotes the assembly of an ECM that contains Extracellular vesicles and factors that modulate mineralization. Acta Biomaterialia, 2021, 120, 224-239.	4.1	11
1173	Tetraspanins: useful multifunction proteins for the possible design and development of small-molecule therapeutic tools. Drug Discovery Today, 2021, 26, 56-68.	3.2	18
1174	Emerging mechanisms contributing to mast cell-mediated pathophysiology with therapeutic implications. , 2021, 220, 107718.		32
1175	Atomic force microscopy for revealing micro/nanoscale mechanics in tumor metastasis: from single cells to microenvironmental cues. Acta Pharmacologica Sinica, 2021, 42, 323-339.	2.8	43
1176	Trophoblastic extracellular vesicles and viruses: Friends or foes?. American Journal of Reproductive Immunology, 2021, 85, e13345.	1.2	4
1177	RAB31 marks and controls an ESCRT-independent exosome pathway. Cell Research, 2021, 31, 157-177.	5.7	212
1178	Research progress on exosomes derived from mesenchymal stem cells in hematological malignancies. Hematological Oncology, 2021, 39, 162-169.	0.8	4

#	Article	IF	Citations
1179	Roles of male reproductive tract extracellular vesicles in reproduction. American Journal of Reproductive Immunology, 2021, 85, e13338.	1.2	31
1180	Why do intestinal epithelial cells express MHC class II?. Immunology, 2021, 162, 357-367.	2.0	37
1181	Exosomes as mediators of immune regulation and immunotherapy in cancer. FEBS Journal, 2021, 288, 10-35.	2.2	110
1182	MiR-21-5p in macrophage-derived extracellular vesicles affects podocyte pyroptosis in diabetic nephropathy by regulating A20. Journal of Endocrinological Investigation, 2021, 44, 1175-1184.	1.8	52
1183	The emerging roles of exosomal circRNAs in diseases. Clinical and Translational Oncology, 2021, 23, 1020-1033.	1.2	27
1184	Extracellular vesicles in neurodegenerative diseases: Insights and new perspectives. Genes and Diseases, 2021, 8, 124-132.	1.5	21
1185	The Potential Roles of Exosomes in Chronic Obstructive Pulmonary Disease. Frontiers in Medicine, 2020, 7, 618506.	1.2	20
1186	Urinary Extracellular Vesicles Magic Particles for Biomarker Discovery. Advances in Experimental Medicine and Biology, 2021, 1306, 29-40.	0.8	2
1187	Exosomes as an emerging nanoplatform for functional therapeutics. , 2021, , 483-498.		3
1188	Biosensors based on two-dimensional materials. , 2021, , 245-312.		1
1189	Integrin, Exosome and Kidney Disease. Frontiers in Physiology, 2020, 11, 627800.	1.3	12
1190	Sirtuins as regulators and the regulated molecules of exosomes. , 2021, , 91-101.		0
1192	Microbial vesicle-mediated communication: convergence to understand interactions within and between domains of life. Environmental Sciences: Processes and Impacts, 2021, 23, 664-677.	1.7	9
1193	Emerging biogenesis technologies of extracellular vesicles for tissue regenerative therapeutics. Journal of Tissue Engineering, 2021, 12, 204173142110190.	2.3	19
1194	Nanocarriers for theranostic applications. , 2021, , 425-471.		0
1195	Host-derived extracellular vesicles for antimicrobial defense. MicroLife, 2021, 2, .	1.0	22
1196	Role of Exosomes for Delivery of Chemotherapeutic Drugs. Critical Reviews in Therapeutic Drug Carrier Systems, 2021, 38, 53-97.	1.2	35
1197	Neglected No More: Emerging Cellular Therapies in Traumatic Injury. Stem Cell Reviews and Reports, 2021, 17, 1194-1214.	1.7	4

#	Article	IF	Citations
1198	Extracellular Vesicles in Liquid Biopsies: Potential for Disease Diagnosis. BioMed Research International, 2021, 2021, 1-17.	0.9	22
1199	Glycosylation of Cancer Extracellular Vesicles: Capture Strategies, Functional Roles and Potential Clinical Applications. Cells, 2021, 10, 109.	1.8	64
1200	Exosomes targeted towards applications in regenerative medicine. Nano Select, 2021, 2, 880-908.	1.9	12
1201	The Potentials and Pitfalls of Using Adult Stem Cells in Cancer Treatment. Advances in Experimental Medicine and Biology, 2021, 1326, 139-157.	0.8	3
1202	Determinants and Functions of CAFs Secretome During Cancer Progression and Therapy. Frontiers in Cell and Developmental Biology, 2020, 8, 621070.	1.8	46
1203	Comparison of separation methods for tissueâ€derived extracellular vesicles in the liver, heart, and skeletal muscle. FEBS Open Bio, 2021, 11, 482-493.	1.0	6
1204	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. Lab on A Chip, 2021, 21, 3219-3243.	3.1	39
1205	Comparison and Investigation of Exosomes Derived from Platelet-Rich Plasma Activated by Different Agonists. Cell Transplantation, 2021, 30, 096368972110178.	1.2	33
1206	Dynamic changes of plasma extracellular vesicle long RNAs during perioperative period of colorectal cancer. Bioengineered, 2021, 12, 3699-3710.	1.4	3
1207	CAFs-Derived Exosomal miRNA-130a Confers Cisplatin Resistance of NSCLC Cells Through PUM2-Dependent Packaging. International Journal of Nanomedicine, 2021, Volume 16, 561-577.	3.3	32
1208	Rapid and sensitive leukemia-derived exosome quantificationvianicking endonuclease-assisted target recycling. Analytical Methods, 2021, 13, 4001-4007.	1.3	5
1209	Therapeutic application of exosomes in ischaemic stroke. Stroke and Vascular Neurology, 2021, 6, 483-495.	1.5	32
1210	Animal secretory endolysosome channel discovery. Zoological Research, 2021, 42, 141-152.	0.9	28
1211	The Dual Role of Macropinocytosis in Cancers: Promoting Growth and Inducing Methuosis to Participate in Anticancer Therapies as Targets. Frontiers in Oncology, 2020, 10, 570108.	1.3	46
1212	Isolation, Characterization, and MicroRNA Analysis of Extracellular Vesicles from Bovine Oviduct and Uterine Fluids. Methods in Molecular Biology, 2021, 2273, 219-238.	0.4	7
1213	Multifunctional Applications of Engineered Extracellular Vesicles in the Treatment of Cancer. Endocrinology, 2021, 162, .	1.4	16
1214	Extracellular Vesicles in Neuroinflammation. Frontiers in Cell and Developmental Biology, 2020, 8, 623039.	1.8	34
1215	Curcumin Supplementation Enhances Bone Marrow Mesenchymal Stem Cells to Promote the Anabolism of Articular Chondrocytes and Cartilage Repair. Cell Transplantation, 2021, 30, 096368972199377.	1.2	18

#	Article	IF	Citations
1216	Current Status and Future Perspectives of Liquid Biopsy in Small Cell Lung Cancer. Biomedicines, 2021, 9, 48.	1.4	14
1217	Extracellular Vesicle Mediated Vascular Pathology in Glioblastoma. Sub-Cellular Biochemistry, 2021, 97, 247-273.	1.0	5
1218	Composition and physiological functions of the porcine colostrum. Animal Science Journal, 2021, 92, e13618.	0.6	14
1219	What can urinary exosomes tell us?. Cellular and Molecular Life Sciences, 2021, 78, 3265-3283.	2.4	26
1220	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
1221	Exosome-mediated communication between tumor cells and tumor-associated macrophages: implications for tumor microenvironment. OncoImmunology, 2021, 10, 1887552.	2.1	49
1222	Real-time tracking of bacterial membrane vesicles reveals enhanced membrane traffic upon antibiotic exposure. Science Advances, 2021, 7, .	4.7	36
1223	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
1224	A simple method for the analysis of extracellular vesicles enriched for exosomes from human serum by capillary electrophoresis with ultraviolet diode array detection. Journal of Chromatography A, 2021, 1635, 461752.	1.8	11
1225	Cell-free exosome-laden scaffolds for tissue repair. Nanoscale, 2021, 13, 8740-8750.	2.8	79
1226	Human Plasma Extracellular Vesicle Isolation and Proteomic Characterization for the Optimization of Liquid Biopsy in Multiple Myeloma. Methods in Molecular Biology, 2021, 2261, 151-191.	0.4	8
1227	Exosome-mediated delivery of an anti-angiogenic peptide inhibits pathological retinal angiogenesis. Theranostics, 2021, 11, 5107-5126.	4.6	52
1228	Extracellular Matrix in Calcific Aortic Valve Disease: Architecture, Dynamic and Perspectives. International Journal of Molecular Sciences, 2021, 22, 913.	1.8	43
1229	Extracellular Vesicles in Chemoresistance. Sub-Cellular Biochemistry, 2021, 97, 211-245.	1.0	3
1230	Socially Distanced Intercellular Communication: Mechanisms for Extracellular Vesicle Cargo Delivery. Sub-Cellular Biochemistry, 2021, 97, 179-209.	1.0	5
1231	Apolipoprotein E4â€“driven effects on inflammatory and neurotrophic factors in peripheral extracellular vesicles from cognitively impaired, no dementia participants who converted to Alzheimer's disease. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2021, 7, e12124.	1.8	10
1232	Serum-derived exosomes containing NEAT1 promote the occurrence of rheumatoid arthritis through regulation of miR-144-3p/ROCK2 axis. Therapeutic Advances in Chronic Disease, 2021, 12, 204062232199170.	1.1	23
1233	Extracellular Vesicles as Novel Diagnostic and Prognostic Biomarkers for Parkinsonâ€™s Disease. , 2021, 12, 1494.		21

#	Article	IF	Citations
1235	Glia-Derived Extracellular Vesicles: Role in Central Nervous System Communication in Health and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 623771.	1.8	31
1236	Promising Extracellular Vesicle-Based Vaccines against Viruses, Including SARS-CoV-2. Biology, 2021, 10, 94.	1.3	43
1237	The tumorigenic and therapeutic functions of exosomes in colorectal cancer: Opportunity and challenges. Cell Biochemistry and Function, 2021, 39, 468-477.	1.4	12
1238	Potential of exosomes as diagnostic biomarkers and therapeutic carriers for doxorubicin-induced cardiotoxicity. International Journal of Biological Sciences, 2021, 17, 1328-1338.	2.6	43
1239	Hijacking Endocytosis and Autophagy in Extracellular Vesicle Communication: Where the Inside Meets the Outside. Frontiers in Cell and Developmental Biology, 2020, 8, 595515.	1.8	22
1240	The Evolving Landscape of Exosomes in Neurodegenerative Diseases: Exosomes Characteristics and a Promising Role in Early Diagnosis. International Journal of Molecular Sciences, 2021, 22, 440.	1.8	84
1241	Promising diagnostic and therapeutic circRNAs for skeletal and chondral disorders. International Journal of Biological Sciences, 2021, 17, 1428-1439.	2.6	16
1242	Nanovesicles drive a tunable dynamical arrest of microparticles. RSC Advances, 2021, 11, 24190-24195.	1.7	2
1243	Exosomes of mesenchymal stem cells as nano-cargos for anti-SARS-CoV-2 asRNAs. Modern Medical Laboratory Journal, 2021, 4, 11-18.	0.2	5
1244	How should we think about evolution in the age of genomics?. , 2021, , 1-44.		1
1245	Targeted delivery of extracellular vesicles in heart injury. Theranostics, 2021, 11, 2263-2277.	4.6	50
1246	A plasmon-based nanoruler to probe the mechanical properties of synthetic and biogenic nanosized lipid vesicles. Nanoscale Horizons, 2021, 6, 543-550.	4.1	22
1247	Adenine-Based Purines and Related Metabolizing Enzymes: Evidence for Their Impact on Tumor Extracellular Vesicle Activities. Cells, 2021, 10, 188.	1.8	3
1248	Extracellular vesicles: Potential impact on cardiovascular diseases. Advances in Clinical Chemistry, 2021, 105, 49-100.	1.8	10
1249	Are Dietary Extracellular Vesicles Bioavailable and Functional in Consuming Organisms?. Sub-Cellular Biochemistry, 2021, 97, 509-521.	1.0	7
1250	Therapeutic potential of adipose-derived mesenchymal stem cell exosomes in tissue-engineered bladders. Journal of Tissue Engineering, 2021, 12, 204173142110015.	2.3	11
1251	Mesenchymal Stem Cell-derived Extracellular Vesicles for Skin Wound Healing. Advances in Experimental Medicine and Biology, 2021, 1310, 495-507.	0.8	8
1252	Engineering Extracellular Vesicles to Target Pancreatic Tissue In Vivo. Nanotheranostics, 2021, 5, 378-390.	2.7	19

#	Article	IF	Citations
1253	Isolation of Proteins from Extracellular Vesicles (EVs) for Mass Spectrometry-Based Proteomic Analyses. Methods in Molecular Biology, 2021, 2261, 207-212.	0.4	1
1254	The Significance of Exosomal RNAs in the Development, Diagnosis, and Treatment of Gastric Cancer. Genes, 2021, 12, 73.	1.0	12
1255	Intercellular and interorgan crosstalk through adipocyte extracellular vesicles. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 61-69.	2.6	31
1256	microRNA-26a shuttled by extracellular vesicles secreted from adipose-derived mesenchymal stem cells reduce neuronal damage through KLF9-mediated regulation of TRAF2/KLF2 axis. Adipocyte, 2021, 10, 378-393.	1.3	8
1257	Isolation and characterization of extracellular vesicles for clinical applications in cancer â€“ time for standardization?. Nanoscale Advances, 2021, 3, 1830-1852.	2.2	16
1258	Volumetric live cell imaging with three-dimensional parallelized RESOLFT microscopy. Nature Biotechnology, 2021, 39, 609-618.	9.4	45
1259	Extracellular Vesicle Transportation and Uptake by Recipient Cells: A Critical Process to Regulate Human Diseases. Processes, 2021, 9, 273.	1.3	53
1260	Extracellular Vesicle-Encapsulated miR-29b-3p Released From Bone Marrow-Derived Mesenchymal Stem Cells Underpins Osteogenic Differentiation. Frontiers in Cell and Developmental Biology, 2020, 8, 581545.	1.8	23
1261	Extracellular vesicles versus synthetic nanoparticles for drug delivery. Nature Reviews Materials, 2021, 6, 103-106.	23.3	175
1262	Transplantation of autologous extracellular vesicles for cancer-specific targeting. Theranostics, 2021, 11, 2034-2047.	4.6	32
1263	Plasma Extracellular Vesicle Subtypes May be Useful as Potential Biomarkers of Immune Activation in People With HIV. Pathogens and Immunity, 2021, 6, 1-28.	1.4	14
1264	Role of macrophage in nanomedicine-based disease treatment. Drug Delivery, 2021, 28, 752-766.	2.5	5
1265	Identification of extracellular nanoparticle subsets by nuclear magnetic resonance. Chemical Science, 2021, 12, 8311-8319.	3.7	8
1266	Progress on pivotal role and application of exosome in lung cancer carcinogenesis, diagnosis, therapy and prognosis. Molecular Cancer, 2021, 20, 22.	7.9	103
1267	Highly efficient magnetic labelling allows MRI tracking of the homing of stem cellâ€derived extracellular vesicles following systemic delivery. Journal of Extracellular Vesicles, 2021, 10, e12054.	5.5	43
1268	Hypoxic ADSCs-derived EVs promote the proliferation and chondrogenic differentiation of cartilage stem/progenitor cells. Adipocyte, 2021, 10, 322-337.	1.3	11
1269	Syncytiotrophoblast Derived Extracellular Vesicles in Relation to Preeclampsia. Maternal-Fetal Medicine, 2021, 3, 151-160.	0.4	8
1270	Characterization and function of membrane vesicles in Gram-positive bacteria. Applied Microbiology and Biotechnology, 2021, 105, 1795-1801.	1.7	34

#	Article	IF	Citations
1271	Applications of cell resealing to reconstitute microRNA loading to extracellular vesicles. Scientific Reports, 2021, 11, 2900.	1.6	3
1272	The Emerging Role of Small Extracellular Vesicles in Inflammatory Airway Diseases. Diagnostics, 2021, 11, 222.	1.3	5
1273	Exosomal Cargo May Hold the Key to Improving Reproductive Outcomes in Dairy Cows. International Journal of Molecular Sciences, 2021, 22, 2024.	1.8	5
1274	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Regenerative Potential and Challenges. Biology, 2021, 10, 172.	1.3	31
1275	Diverse Populations of Extracellular Vesicles with Opposite Functions during Herpes Simplex Virus 1 Infection. Journal of Virology, 2021, 95, .	1.5	24
1276	Autophagy Blockade Limits HER2+ Breast Cancer Tumorigenesis by Perturbing HER2 Trafficking and Promoting Release Via Small Extracellular Vesicles. Developmental Cell, 2021, 56, 341-355.e5.	3.1	25
1277	Adipocyte-Derived Extracellular Vesicles: State of the Art. International Journal of Molecular Sciences, 2021, 22, 1788.	1.8	24
1278	Emerging Roles of Extracellular Vesicles in the Central Nervous System: Physiology, Pathology, and Therapeutic Perspectives. Frontiers in Cellular Neuroscience, 2021, 15, 626043.	1.8	34
1279	CD9, a tetraspanin target for cancer therapy?. Experimental Biology and Medicine, 2021, 246, 1121-1138.	1.1	30
1280	Neutrophil-to-hepatocyte communication via LDLR-dependent miR-223â€“enriched extracellular vesicle transfer ameliorates nonalcoholic steatohepatitis. Journal of Clinical Investigation, 2021, 131, .	3.9	85
1281	Role of biomaterials in the diagnosis, prevention, treatment, and study of corona virus disease 2019 (COVID-19). Emergent Materials, 2021, 4, 35-55.	3.2	19
1282	Isolation methodology is essential to the evaluation of the extracellular vesicle component of the senescenceâ€associated secretory phenotype. Journal of Extracellular Vesicles, 2021, 10, e12041.	5.5	11
1285	The Therapeutic Effect of Extracellular Vesicles on Asthma in Pre-Clinical Models: A Systematic Review Protocol. Journal of Respiration, 2021, 1, 84-95.	0.4	0
1287	Engineered Extracellular Vesicles for Cancer Therapy. Advanced Materials, 2021, 33, e2005709.	11.1	171
1288	Engineering Exosome-Like Nanovesicles Derived from Asparagus cochinchinensis Can Inhibit the Proliferation of Hepatocellular Carcinoma Cells with Better Safety Profile. International Journal of Nanomedicine, 2021, Volume 16, 1575-1586.	3.3	75
1289	Extracellular Vesicles Derived From Adult and Fetal Bone Marrow Mesenchymal Stromal Cells Differentially Promote ex vivo Expansion of Hematopoietic Stem and Progenitor Cells. Frontiers in Bioengineering and Biotechnology, 2021, 9, 640419.	2.0	10
1292	Human Induced Pluripotent Stem Cell-Derived Exosomes as a New Therapeutic Strategy for Various Diseases. International Journal of Molecular Sciences, 2021, 22, 1769.	1.8	20
1293	Exosomes in Breast Cancer â€“ Mechanisms of Action and Clinical Potential. Molecular Cancer Research, 2021, 19, 935-945.	1.5	18

#	Article	IF	Citations
1294	Glucocerebrosidase reduces the spread of protein aggregation in a Drosophila melanogaster model of neurodegeneration by regulating proteins trafficked by extracellular vesicles. PLoS Genetics, 2021, 17, e1008859.	1.5	20
1295	M1 Macrophage exosomes MiRâ€21aâ€5p aggravates inflammatory bowel disease through decreasing Eâ€cadherin and subsequent ILC2 activation. Journal of Cellular and Molecular Medicine, 2021, 25, 3041-3050.	1.6	22
1296	Panax ginseng-Derived Extracellular Vesicles Facilitate Anti-Senescence Effects in Human Skin Cells: An Eco-Friendly and Sustainable Way to Use Ginseng Substances. Cells, 2021, 10, 486.	1.8	40
1297	Endometrial Organoids: A Rising Star for Research on Endometrial Development and Associated Diseases. Reproductive Sciences, 2021, 28, 1626-1636.	1.1	17
1298	Gain-of-function p53 protein transferred via small extracellular vesicles promotes conversion of fibroblasts to a cancer-associated phenotype. Cell Reports, 2021, 34, 108726.	2.9	27
1299	Mechanistic and Therapeutic Implications of Extracellular Vesicles as a Potential Link Between Covid-19 and Cardiovascular Disease Manifestations. Frontiers in Cell and Developmental Biology, 2021, 9, 640723.	1.8	11
1300	Tailorâ€Made Nanomaterials for Diagnosis and Therapy of Pancreatic Ductal Adenocarcinoma. Advanced Science, 2021, 8, 2002545.	5.6	22
1301	Exosomeâ€Like Nanoparticles From Lactobacillus rhamnosus GG Protect Against Alcoholâ€Associated Liver Disease Through Intestinal Aryl Hydrocarbon Receptor in Mice. Hepatology Communications, 2021, 5, 846-864.	2.0	35
1302	Recent electrokinetic strategies for isolation, enrichment and separation of extracellular vesicles. TrAC - Trends in Analytical Chemistry, 2021, 135, 116179.	5.8	11
1303	Human keratinocyte-derived extracellular vesicles activate the MAPKinase pathway and promote cell migration and proliferation in vitro. Inflammation and Regeneration, 2021, 41, 4.	1.5	22
1304	Selective loss of microvesicles is a major issue of the differential centrifugation isolation protocols. Scientific Reports, 2021, 11, 3589.	1.6	19
1305	Descriptive analysis of Fibulin-3 and the extracellular vesicle marker, Alix, in drusen from a small cohort of postmortem human eyes. Experimental Eye Research, 2021, 203, 108422.	1.2	9
1306	Molecular Insights into the Potential of Extracellular Vesicles Released from Mesenchymal Stem Cells and Other Cells in the Therapy of Hematologic Malignancies. Stem Cells International, 2021, 2021, 1-15.	1.2	2
1307	WJMSCâ€derived small extracellular vesicle enhance T cell suppression through PDâ€L1. Journal of Extracellular Vesicles, 2021, 10, e12067.	5.5	39
1308	Opportunities and Challenges in Tunneling Nanotubes Research: How Far from Clinical Application?. International Journal of Molecular Sciences, 2021, 22, 2306.	1.8	18
1310	Shedding light on the pathophysiology of preeclampsia-syndrome in the era of Cardio-Obstetrics: Role of inflammation and endothelial dysfunction. Current Hypertension Reviews, 2021, 17, .	0.5	1
1311	Extracellular Vesicles: Emerging Modulators of Cancer Drug Resistance. Cancers, 2021, 13, 749.	1.7	39
1312	Endothelial Progenitor Cell-Derived Microvesicles Promote Angiogenesis in Rat Brain Microvascular Endothelial Cells In vitro. Frontiers in Cellular Neuroscience, 2021, 15, 638351.	1.8	9

#	Article	IF	Citations
1313	Extracellular Vesicles From 3xTg-AD Mouse and Alzheimerâ€™s Disease Patient Astrocytes Impair Neuroglial and Vascular Components. Frontiers in Aging Neuroscience, 2021, 13, 593927.	1.7	24
1314	Proteomic profiling of milk small extracellular vesicles from bovine leukemia virus-infected cattle. Scientific Reports, 2021, 11, 2951.	1.6	15
1315	Syncytiotrophoblast stress in preeclampsia: the convergence point for multiple pathways. American Journal of Obstetrics and Gynecology, 2022, 226, S907-S927.	0.7	130
1316	Extracellular vesicles as modifiers of antibodyâ€drug conjugate efficacy. Journal of Extracellular Vesicles, 2021, 10, e12070.	5.5	17
1317	The Gutâ€'Breast Axis: Programming Health for Life. Nutrients, 2021, 13, 606.	1.7	52
1318	Infrared Nanospectroscopy of Individual Extracellular Microvesicles. Molecules, 2021, 26, 887.	1.7	7
1319	Pentapartite fractionation of particles in oral fluids by differential centrifugation. Scientific Reports, 2021, 11, 3326.	1.6	12
1320	Analysis of Circulating Microvesicles Levels and Effects of Associated Factors in Elderly Patients With Obstructive Sleep Apnea. Frontiers in Aging Neuroscience, 2021, 13, 609282.	1.7	4
1321	Exosomal proteins: Key players mediating preâ€'metastatic niche formation and clinical implications (Review). International Journal of Oncology, 2021, 58, .	1.4	12
1322	Uptake of circulating extracellular vesicles from rectal cancer patients and differential responses by human monocyte cultures. FEBS Open Bio, 2021, 11, 724-740.	1.0	2
1323	Can Be miR-126-3p a Biomarker of Premature Aging? An Ex Vivo and In Vitro Study in Fabry Disease. Cells, 2021, 10, 356.	1.8	8
1324	FOâ€SPR biosensor calibrated with recombinant extracellular vesicles enables specific and sensitive detection directly in complex matrices. Journal of Extracellular Vesicles, 2021, 10, e12059.	5.5	10
1325	Exosomes: A new frontier under the spotlight for diagnosis and treatment of gastrointestinal diseases. World Journal of Meta-analysis, 2021, 9, 12-28.	0.1	0
1326	Syntenin-knock out reduces exosome turnover and viral transduction. Scientific Reports, 2021, 11, 4083.	1.6	19
1327	Proteomic Profile of Urinary Extracellular Vesicles Identifies AGP1 as a Potential Biomarker of Primary Aldosteronism. Endocrinology, 2021, 162, .	1.4	12
1328	T cellâ€derived exosomes containing cytokines induced keratinocytes apoptosis in oral lichen planus. Oral Diseases, 2022, 28, 682-690.	1.5	12
1329	Cancer-Associated Fibroblasts Promote Aggressive Gastric Cancer Phenotypes via Heat Shock Factor 1â€"Mediated Secretion of Extracellular Vesicles. Cancer Research, 2021, 81, 1639-1653.	0.4	50
1330	GBA Mutations Influence the Release and Pathological Effects of Small Extracellular Vesicles from Fibroblasts of Patients with Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 2215.	1.8	21

#	Article	IF	Citations
1331	Role of Tumor-Derived Extracellular Vesicles in Glioblastoma. Cells, 2021, 10, 512.	1.8	12
1332	miR-224-5p Contained in Urinary Extracellular Vesicles Regulates PD-L1 Expression by Inhibiting Cyclin D1 in Renal Cell Carcinoma Cells. Cancers, 2021, 13, 618.	1.7	20
1333	Endothelial cells response to neutrophil-derived extracellular vesicles miRNAs in anti-PR3 positive vasculitis. Clinical and Experimental Immunology, 2021, 204, 267-282.	1.1	10
1334	Epigenetic Landscape of Liquid Biopsy in Colorectal Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 622459.	1.8	31
1335	Advances in Analytical Technologies for Extracellular Vesicles. Analytical Chemistry, 2021, 93, 4739-4774.	3.2	53
1336	Exosomal microRNA-22-3p alleviates cerebral ischemic injury by modulating KDM6B/BMP2/BMF axis. Stem Cell Research and Therapy, 2021, 12, 111.	2.4	46
1337	Maternal Distress and Offspring Neurodevelopment: Challenges and Opportunities for Pre-clinical Research Models. Frontiers in Human Neuroscience, 2021, 15, 635304.	1.0	19
1338	Effect of Intranasal Administration of Multipotent Mesenchymal Stromal Cell Exosomes on Memory of Mice in Alzheimerâ€™s Disease Model. Bulletin of Experimental Biology and Medicine, 2021, 170, 575-582.	0.3	16
1340	Small EVs-Associated DNA as Complementary Biomarker to Circulating Tumor DNA in Plasma of Metastatic Colorectal Cancer Patients. Pharmaceuticals, 2021, 14, 128.	1.7	6
1341	Extracellular Vesicle-Based Therapeutics for Heart Repair. Nanomaterials, 2021, 11, 570.	1.9	25
1342	Role of Site-Specific Glycosylation in the I-Like Domain of Integrin Î²1 in Small Extracellular Vesicle-Mediated Malignant Behavior and FAK Activation. International Journal of Molecular Sciences, 2021, 22, 1770.	1.8	6
1343	Cell-to-Cell Communication by Host-Released Extracellular Vesicles in the Gut: Implications in Health and Disease. International Journal of Molecular Sciences, 2021, 22, 2213.	1.8	27
1344	Clinical significance of STEAP1 extracellular vesicles in prostate cancer. Prostate Cancer and Prostatic Diseases, 2021, 24, 802-811.	2.0	16
1345	Rab22a-NeoF1 fusion protein promotes osteosarcoma lung metastasis through its secretion into exosomes. Signal Transduction and Targeted Therapy, 2021, 6, 59.	7.1	45
1346	Treatment of Oxidative Stress with Exosomes in Myocardial Ischemia. International Journal of Molecular Sciences, 2021, 22, 1729.	1.8	20
1348	The endogenous exposome of the pregnant mother: Placental extracellular vesicles and their effect on the maternal system. Molecular Aspects of Medicine, 2022, 87, 100955.	2.7	20
1349	Extracellular Vesicles and Bone-Associated Cancer. Current Osteoporosis Reports, 2021, 19, 223-229.	1.5	4
1350	The Impact of Immune Cell-derived Exosomes on Immune Response Initiation and Immune System Function. Current Pharmaceutical Design, 2021, 27, 197-205.	0.9	36

#	Article	IF	Citations
1351	FOXO1-Mediated Downregulation of RAB27B Leads to Decreased Exosome Secretion in Diabetic Kidneys. Diabetes, 2021, 70, 1536-1548.	0.3	22
1352	Exosomal miR-30a and miR-222 derived from colon cancer mesenchymal stem cells promote the tumorigenicity of colon cancer through targeting MIA3. Journal of Gastrointestinal Oncology, 2021, 12, 52-68.	0.6	29
1353	Extracellular Vesicles and Their Role in Staphylococcus aureus Resistance and Virulence. Infectious Diseases, 0, , .	4.0	2
1354	Exosomes and Exosomal MicroRNAs in Age-Associated Stroke. Current Vascular Pharmacology, 2021, 19, 587-600.	0.8	3
1355	Profiling of Serum Exosome MiRNA Reveals the Potential of a MiRNA Panel as Diagnostic Biomarker for Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 3084-3094.	1.9	42
1356	Small extracellular vesicles deliver osteolytic effectors and mediate cancerâ€induced osteolysis in bone metastatic niche. Journal of Extracellular Vesicles, 2021, 10, e12068.	5.5	23
1357	Exosomes in cancer development. Current Opinion in Genetics and Development, 2021, 66, 83-92.	1.5	26
1358	Extracellular microvesicles promote microgliaâ€mediated proâ€inflammatory responses to ethanol. Journal of Neuroscience Research, 2021, 99, 1940-1956.	1.3	31
1359	An ultracentrifugation â€“ hollow-fiber flow field-flow fractionation orthogonal approach for the purification and mapping of extracellular vesicle subtypes. Journal of Chromatography A, 2021, 1638, 461861.	1.8	24
1360	Extracellular Vesicles and Immune System in Ageing and Immune Diseases. Experimental Neurobiology, 2021, 30, 32-47.	0.7	3
1361	Multiple Myeloma Bone Disease: Implication of MicroRNAs in Its Molecular Background. International Journal of Molecular Sciences, 2021, 22, 2375.	1.8	17
1363	Amnion Epithelial Cells â€” a Therapeutic Source. Current Stem Cell Reports, 2021, 7, 13-29.	0.7	0
1364	Simultaneous CD8+ T-Cell Immune Response against SARS-Cov-2 S, M, and N Induced by Endogenously Engineered Extracellular Vesicles in Both Spleen and Lungs. Vaccines, 2021, 9, 240.	2.1	20
1365	Non-Coding RNAs Steering the Senescence-Related Progress, Properties, and Application of Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 650431.	1.8	13
1366	Mesenchymal Stem Cell Derived Extracellular Vesicles for Repairing the Neurovascular Unit after Ischemic Stroke. Cells, 2021, 10, 767.	1.8	25
1367	Outcome prediction of microdissection testicular sperm extraction based on extracellular vesicles piRNAs. Journal of Assisted Reproduction and Genetics, 2021, 38, 1429-1439.	1.2	10
1368	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. Developmental Cell, 2021, 56, 842-859.e8.	3.1	30
1369	Extracellular vesicles in immunomodulation and tumor progression. Nature Immunology, 2021, 22, 560-570.	7.0	233

#	Article	IF	Citations
1370	Expanding Roles of De Novo Lipogenesis in Breast Cancer. International Journal of Environmental Research and Public Health, 2021, 18, 3575.	1.2	24
1371	The ins and outs of microvesicles. FASEB BioAdvances, 2021, 3, 399-406.	1.3	60
1372	Trastuzumab Modulates the Protein Cargo of Extracellular Vesicles Released by ERBB2+ Breast Cancer Cells. Membranes, 2021, 11, 199.	1.4	6
1373	The Diagnostic Value of Exosome-Derived Biomarkers in Alzheimer's Disease and Mild Cognitive Impairment: A Meta-Analysis. Frontiers in Aging Neuroscience, 2021, 13, 637218.	1.7	12
1374	Mesenchymal Stromal Cell-Mediated Immune Regulation: A Promising Remedy in the Therapy of Type 2 Diabetes Mellitus. Stem Cells, 2021, 39, 838-852.	1.4	14
1375	Making more exosomes. Nature Reviews Molecular Cell Biology, 2021, 22, 242-242.	16.1	7
1376	Oncolytic Virus Therapy Alters the Secretome of Targeted Glioblastoma Cells. Cancers, 2021, 13, 1287.	1.7	8
1377	Factors Affecting Extracellular Vesicles Based Drug Delivery Systems. Molecules, 2021, 26, 1544.	1.7	46
1378	Epigenetic editing: Dissecting chromatin function in context. BioEssays, 2021, 43, e2000316.	1.2	22
1379	Potential of extracellular vesicles in the Parkinson's disease â€“ Pathological mediators and biomarkers. Neurochemistry International, 2021, 144, 104974.	1.9	21
1380	Natural IgM antibodies inhibit microvesicle-driven coagulation and thrombosis. Blood, 2021, 137, 1406-1415.	0.6	21
1381	The â€œVesicular Intelligenceâ€•Strategy of Blood Cancers. Genes, 2021, 12, 416.	1.0	7
1382	Role of ATP in Extracellular Vesicle Biogenesis and Dynamics. Frontiers in Pharmacology, 2021, 12, 654023.	1.6	23
1383	Extracellular Vesicles as Biomarkers Carriers in Bladder Cancer: Diagnosis, Surveillance, and Treatment. International Journal of Molecular Sciences, 2021, 22, 2744.	1.8	23
1384	Interneuronal exchange and functional integration of synaptobrevin via extracellular vesicles. Neuron, 2021, 109, 971-983.e5.	3.8	40
1385	Lysosomal Stress Response (LSR): Physiological Importance and Pathological Relevance. Journal of NeuroImmune Pharmacology, 2021, 16, 219-237.	2.1	31
1386	Stimulating Extracellular Vesicles Production from Engineered Tissues by Mechanical Forces. Nano Letters, 2021, 21, 2497-2504.	4.5	67
1387	Identification of potential candidate genes for lip and oral cavity cancer using network analysis. Genomics and Informatics, 2021, 19, e4.	0.4	4

#	Article	IF	Citations
1388	Circulating Extracellular Vesicles As Biomarkers and Drug Delivery Vehicles in Cardiovascular Diseases. Biomolecules, 2021, 11, 388.	1.8	30
1389	Fibronectin as a multiregulatory molecule crucial in tumor matrisome: from structural and functional features to clinical practice in oncology. Journal of Experimental and Clinical Cancer Research, 2021, 40, 102.	3.5	64
1390	Radioiodine labeling and in vivo trafficking of extracellular vesicles. Scientific Reports, 2021, 11, 5041.	1.6	7
1391	Proteomic Analyses of Fibroblast- and Serum-Derived Exosomes Identify QSOX1 as a Marker for Non-invasive Detection of Colorectal Cancer. Cancers, 2021, 13, 1351.	1.7	21
1392	Small extracellular vesicles ameliorate peripheral neuropathy and enhance chemotherapy of oxaliplatin on ovarian cancer. Journal of Extracellular Vesicles, 2021, 10, e12073.	5.5	21
1393	Potential of Exosomes for Diagnosis and Treatment of Joint Disease: Towards a Point-of-Care Therapy for Osteoarthritis of the Knee. International Journal of Molecular Sciences, 2021, 22, 2666.	1.8	10
1394	Effects of physical activity on cellâ€toâ€cell communication during type 2 diabetes: A focus on miRNA signaling. Fundamental and Clinical Pharmacology, 2021, 35, 808-821.	1.0	6
1395	Delivery of functional exogenous proteins by plant-derived vesicles to human cells in vitro. Scientific Reports, 2021, 11, 6489.	1.6	57
1396	Native and Bioengineered Exosomes for Ischemic Stroke Therapy. Frontiers in Cell and Developmental Biology, 2021, 9, 619565.	1.8	41
1397	Mesenchymal Stem Cells as a Cornerstone in a Galaxy of Intercellular Signals: Basis for a New Era of Medicine. International Journal of Molecular Sciences, 2021, 22, 3576.	1.8	43
1398	Emerging roles for the autophagy machinery in extracellular vesicle biogenesis and secretion. FASEB BioAdvances, 2021, 3, 377-386.	1.3	44
1399	Extracellular vesicle drug occupancy enables real-time monitoring of targeted cancer therapy. Nature Nanotechnology, 2021, 16, 734-742.	15.6	51
1400	Selective packaging of mitochondrial proteins into extracellular vesicles prevents the release of mitochondrial DAMPs. Nature Communications, 2021, 12, 1971.	5.8	142
1401	Hormonal markers as noninvasive predictors of sperm retrieval in non-obstructive azoospermia. Journal of Assisted Reproduction and Genetics, 2021, 38, 2049-2059.	1.2	10
1402	Stem/progenitor cell in kidney: characteristics, homing, coordination, and maintenance. Stem Cell Research and Therapy, 2021, 12, 197.	2.4	25
1403	Alarming Cargo: The Role of Exosomes in Trauma-Induced Inflammation. Biomolecules, 2021, 11, 522.	1.8	18
1404	Editorial: Cell Communication in Vascular Biology. Frontiers in Physiology, 2021, 12, 656959.	1.3	0
1405	Beyond the Extracellular Vesicles: Technical Hurdles, Achieved Goals and Current Challenges When Working on Adipose Cells. International Journal of Molecular Sciences, 2021, 22, 3362.	1.8	6

#	Article	IF	Citations
1406	Extracellular vesicles derived from EphB2-overexpressing bone marrow mesenchymal stem cells ameliorate DSS-induced colitis by modulating immune balance. Stem Cell Research and Therapy, 2021, 12, 181.	2.4	13
1407	In vivo self-assembled small RNAs as a new generation of RNAi therapeutics. Cell Research, 2021, 31, 631-648.	5.7	56
1408	MicroRNA-mediated regulation of glucose and lipid metabolism. Nature Reviews Molecular Cell Biology, 2021, 22, 425-438.	16.1	154
1409	Lipid droplets in mammalian eggs are utilized during embryonic diapause. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	37
1410	Exosomal Non-Coding RNAs: Regulatory and Therapeutic Target of Hepatocellular Carcinoma. Frontiers in Oncology, 2021, 11, 653846.	1.3	2
1411	Roles of glia-derived extracellular vesicles in central nervous system diseases: an update. Reviews in the Neurosciences, 2021, 32, 833-849.	1.4	2
1412	Ceramides and sphingosine-1-phosphate mediate the distinct effects of M1/M2-macrophage infusion on liver recovery after hepatectomy. Cell Death and Disease, 2021, 12, 324.	2.7	15
1413	Restoring Tissue Homeostasis at Metastatic Sites: A Focus on Extracellular Vesicles in Bone Metastasis. Frontiers in Oncology, 2021, 11, 644109.	1.3	13
1414	Making Sense of Extracellular Vesicles in Body Fluids: Promise and Challenge. Schizophrenia Bulletin, 2021, 47, 586-587.	2.3	1
1415	Matrix Vesicles: Role in Bone Mineralization and Potential Use as Therapeutics. Pharmaceuticals, 2021, 14, 289.	1.7	44
1416	Regular Industrial Processing of Bovine Milk Impacts the Integrity and Molecular Composition of Extracellular Vesicles. Journal of Nutrition, 2021, 151, 1416-1425.	1.3	37
1417	The key roles of cancer stem cell-derived extracellular vesicles. Signal Transduction and Targeted Therapy, 2021, 6, 109.	7.1	64
1418	Mucin 5AC is significantly upregulated in exosomes from the nasal lavage fluid and may promote the expression of COX-2, VEGF and MMP-9: an implication in nasal polyp pathogenesis. Rhinology, 2021, 59, 0-0.	0.7	10
1419	Exosomal Protease Cargo as Prognostic Biomarker in Colorectal Cancer. Asian Pacific Journal of Cancer Prevention, 2021, 22, 861-869.	0.5	9
1420	Nanoparticle Tracking Analysis for the Quantification and Size Determination of Extracellular Vesicles. Journal of Visualized Experiments, 2021, , .	0.2	21
1421	Exploring a Chemotactic Role for EVs from Progenitor Cell Populations of Human Exfoliated Deciduous Teeth for Promoting Migration of NaÃ¯ve BMSCs in Bone Repair Process. Stem Cells International, 2021, 2021, 1-7.	1.2	8
1422	Characterization of Extracellular Vesicles from Preconditioned Human Adipose-Derived Stromal/Stem Cells. International Journal of Molecular Sciences, 2021, 22, 2873.	1.8	12
1424	Micro/nano-textured hierarchical titanium topography promotes exosome biogenesis and secretion to improve osseointegration. Journal of Nanobiotechnology, 2021, 19, 78.	4.2	40

#	Article	IF	Citations
1425	Evidence for the existence of extracellular vesicles in Renibacterium salmoninarum and related cytotoxic effects on SHKâ€1 cells. Journal of Fish Diseases, 2021, 44, 1015-1024.	0.9	7
1426	Human Whartonâ€™s Jelly Mesenchymal Stromal Cell-Derived Small Extracellular Vesicles Drive Oligodendroglial Maturation by Restraining MAPK/ERK and Notch Signaling Pathways. Frontiers in Cell and Developmental Biology, 2021, 9, 622539.	1.8	13
1427	Extracellular vesicles and homeostasisâ€"An emerging field in bioscience research. FASEB BioAdvances, 2021, 3, 456-458.	1.3	13
1428	Ginsenoside Rg1 ameliorates bloodâ€"brain barrier disruption and traumatic brain injury via attenuating macrophages derived exosomes miR-21 release. Acta Pharmaceutica Sinica B, 2021, 11, 3493-3507.	5.7	75
1429	Exosomes and Their Role in Cancer Progression. Frontiers in Oncology, 2021, 11, 639159.	1.3	29
1430	Unbiased proteomic profiling of host cell extracellular vesicle composition and dynamics upon HIVâ€1 infection. EMBO Journal, 2021, 40, e105492.	3.5	36
1431	Exosomes-transmitted miR-7 reverses gefitinib resistance by targeting YAP in non-small-cell lung cancer. Pharmacological Research, 2021, 165, 105442.	3.1	28
1433	Mesenchymal Stromal Cellâ€derived Extracellular Vesicles in Preclinical Animal Models of Tumor Growth: Systematic Review and Metaâ€analysis. Stem Cell Reviews and Reports, 2022, 18, 993-1006.	1.7	7
1434	Exosomes derived from mycobacterium tuberculosis-infected MSCs induce a pro-inflammatory response of macrophages. Aging, 2021, 13, 11595-11609.	1.4	13
1435	Quantification of Circulating Cell Free Mitochondrial DNA in Extracellular Vesicles with PicoGreenâ„¢ in Liquid Biopsies: Fast Assessment of Disease/Trauma Severity. Cells, 2021, 10, 819.	1.8	16
1436	EVs from BALFâ€"Mediators of Inflammation and Potential Biomarkers in Lung Diseases. International Journal of Molecular Sciences, 2021, 22, 3651.	1.8	23
1437	Exosomes: a new perspective in EGFR-mutated lung cancer. Cancer and Metastasis Reviews, 2021, 40, 589-601.	2.7	19
1438	Extracellular Vesicles: A Novel Tool Facilitating Personalized Medicine and Pharmacogenomics in Oncology. Frontiers in Pharmacology, 2021, 12, 671298.	1.6	16
1439	Extracellular Vesicles: An Emerging Mechanism Governing the Secretion and Biological Roles of Tenascin-C. Frontiers in Immunology, 2021, 12, 671485.	2.2	18
1440	General Anesthesia and Perioperative Management via microRNA. Nihon Ika Daigaku Igakkai Zasshi, 2021, 17, 72-80.	0.0	0
1441	The effect of extracellular vesicles on the regulation of mitochondria under hypoxia. Cell Death and Disease, 2021, 12, 358.	2.7	41
1442	Guards! Guards! How innate lymphoid cells ensure local law and order. Biomedical Journal, 2021, 44, 105-111.	1.4	0
1443	Extracellular vesicle microRNA cargoes from intermittent hypoxia-exposed cardiomyocytes and their effect on endothelium. Biochemical and Biophysical Research Communications, 2021, 548, 182-188.	1.0	10

#	Article	IF	Citations
1444	Exosomes secreted by macrophages upon copper ion stimulation can promote angiogenesis. Materials Science and Engineering C, 2021, 123, 111981.	3.8	20
1445	Therapeutic Potential of Extracellular Vesicles for Sepsis Treatment. Advanced Therapeutics, 2021, 4, 2000259.	1.6	14
1446	Anti-Tim4 Grafting Strongly Hydrophilic Metalâ€“Organic Frameworks Immunoaffinity Flake for High-Efficiency Capture and Separation of Exosomes. Analytical Chemistry, 2021, 93, 6534-6543.	3.2	29
1447	Disentangling the complexity of tumor-derived extracellular vesicles. Cell Reports, 2021, 35, 108960.	2.9	20
1448	Exosomal therapyâ€”a new frontier in regenerative medicine. Stem Cell Investigation, 2021, 8, 7-7.	1.3	55
1449	Emerging Roles of Exosomes in Huntingtonâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 4085.	1.8	26
1450	The ESCRT-III machinery participates in the production of extracellular vesicles and protein export during Plasmodium falciparum infection. PLoS Pathogens, 2021, 17, e1009455.	2.1	27
1452	Insights Into Extracellular Vesicle/Exosome and miRNA Mediated Bi-Directional Communication During Porcine Pregnancy. Frontiers in Veterinary Science, 2021, 8, 654064.	0.9	12
1453	The MAL Protein, an Integral Component of Specialized Membranes, in Normal Cells and Cancer. Cells, 2021, 10, 1065.	1.8	14
1454	Extracellular vesicles derived from bone marrow mesenchymal stem cells repair functional and structural rat adrenal gland damage induced by fluoride. Life Sciences, 2021, 270, 119122.	2.0	5
1455	Extracellular Vesicles from Infected Cells Are Released Prior to Virion Release. Cells, 2021, 10, 781.	1.8	10
1456	Plant Extracellular Vesicles and Nanovesicles: Focus on Secondary Metabolites, Proteins and Lipids with Perspectives on Their Potential and Sources. International Journal of Molecular Sciences, 2021, 22, 3719.	1.8	67
1457	Plant-derived xenomiRs and cancer: Cross-kingdom gene regulation. Saudi Journal of Biological Sciences, 2021, 28, 2408-2422.	1.8	11
1458	The Role of Extracellular Vesicles in the Progression of Human Neuroblastoma. International Journal of Molecular Sciences, 2021, 22, 3964.	1.8	11
1459	Centrosome amplification mediates small extracellular vesicle secretion via lysosome disruption. Current Biology, 2021, 31, 1403-1416.e7.	1.8	41
1460	A narrative review of exosomes in vascular calcification. Annals of Translational Medicine, 2021, 9, 579-579.	0.7	12
1461	Endothelial Extracellular Vesicles: From Keepers of Health to Messengers of Disease. International Journal of Molecular Sciences, 2021, 22, 4640.	1.8	39
1462	The C-Terminal Domain of Nefmut Is Dispensable for the CD8+ T Cell Immunogenicity of In Vivo Engineered Extracellular Vesicles. Vaccines, 2021, 9, 373.	2.1	4

#	Article	IF	Citations
1463	Emerging Role of Exosomes in Retinal Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 643680.	1.8	23
1464	A Simple and Quick Method for Loading Proteins in Extracellular Vesicles. Pharmaceuticals, 2021, 14, 356.	1.7	35
1465	Multiplexed Affinity Measurements of Extracellular Vesicles Binding Kinetics. Sensors, 2021, 21, 2634.	2.1	4
1466	The Role of Extracellular Vesicles in Mediating Resistance to Anticancer Therapies. International Journal of Molecular Sciences, 2021, 22, 4166.	1.8	10
1467	Diurnal Variation of Plasma Extracellular Vesicle Is Disrupted in People Living with HIV. Pathogens, 2021, 10, 518.	1.2	5
1468	Harnessing the ECM Microenvironment to Ameliorate Mesenchymal Stromal Cell-Based Therapy in Chronic Lung Diseases. Frontiers in Pharmacology, 2021, 12, 645558.	1.6	12
1470	A herringbone mixer based microfluidic device HBEXO-chip for purifying tumor-derived exosomes and establishing miRNA signature in pancreatic cancer. Sensors and Actuators B: Chemical, 2021, 332, 129511.	4.0	32
1471	Microvesicles mediate sorafenib resistance in liver cancer cells through attenuating p53 and enhancing FOXM1 expression. Life Sciences, 2021, 271, 119149.	2.0	8
1472	Pregnancy-Related Extracellular Vesicles Revisited. International Journal of Molecular Sciences, 2021, 22, 3904.	1.8	24
1473	Archaeal extracellular vesicles are produced in an ESCRT-dependent manner and promote gene transfer and nutrient cycling in extreme environments. ISME Journal, 2021, 15, 2892-2905.	4.4	36
1474	The Role of Adipose Stem Cells in Bone Regeneration and Bone Tissue Engineering. Cells, 2021, 10, 975.	1.8	26
1475	Examining the evidence for extracellular RNA function in mammals. Nature Reviews Genetics, 2021, 22, 448-458.	7.7	41
1476	T cell antigenicity and immunogenicity of allogeneic exosomes. American Journal of Transplantation, 2021, 21, 2583-2589.	2.6	24
1477	O-GlcNAcylation protein disruption by Thiamet G promotes changes on the GBM U87-MG cells secretome molecular signature. Clinical Proteomics, 2021, 18, 14.	1.1	5
1478	Cancer biology: Messages in extracellular vesicles depend on centrosome number. Current Biology, 2021, 31, R337-R340.	1.8	1
1479	Extracellular Vesicle Associated Non-Coding RNAs in Lung Infections and Injury. Cells, 2021, 10, 965.	1.8	13
1480	Regulation of Exosomes in the Pathogenesis of Breast Cancer. , 0, , .		0
1481	Specimen-specific drift of densities defines distinct subclasses of extracellular vesicles from human whole saliva. PLoS ONE, 2021, 16, e0249526.	1.1	7

#	Article	IF	Citations
1483	Isolation of extracellular vesicles with combined enrichment methods. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1169, 122604.	1.2	90
1484	Extracellular vesicles in prostate cancer: a narrative review. Translational Andrology and Urology, 2021, 10, 1890-1907.	0.6	17
1485	Intravacuolar Pathogens Hijack Host Extracellular Vesicle Biogenesis to Secrete Virulence Factors. Frontiers in Immunology, 2021, 12, 662944.	2.2	9
1486	Visualizing Extracellular Vesicles and Their Function in 3D Tumor Microenvironment Models. International Journal of Molecular Sciences, 2021, 22, 4784.	1.8	17
1487	Extracellular Vesicles Secreted by Mesenchymal Stromal Cells Exert Opposite Effects to Their Cells of Origin in Murine Sodium Dextran Sulfate-Induced Colitis. Frontiers in Immunology, 2021, 12, 627605.	2.2	23
1489	Health disparities: Intracellular consequences of social determinants of health. Toxicology and Applied Pharmacology, 2021, 416, 115444.	1.3	26
1490	A complex of distal appendageâ€“associated kinases linked to human disease regulates ciliary trafficking and stability. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
1491	Multifaceted Roles of Adipose Tissue-Derived Exosomes in Physiological and Pathological Conditions. Frontiers in Physiology, 2021, 12, 669429.	1.3	11
1492	Small extracellular vesicles secreted by vaginal fibroblasts exert inhibitory effect in female stress urinary incontinence through regulating the function of fibroblasts. PLoS ONE, 2021, 16, e0249977.	1.1	5
1496	Cre mRNA Is Not Transferred by EVs from Endothelial and Adipose-Derived Stromal/Stem Cells during Vascular Network Formation. International Journal of Molecular Sciences, 2021, 22, 4050.	1.8	1
1497	Implicating extracellular vesicles in Plasmodium falciparum artemisinin resistance development. Traffic, 2021, 22, 194-200.	1.3	5
1498	The Mechanisms of the Development of Atherosclerosis in Prediabetes. International Journal of Molecular Sciences, 2021, 22, 4108.	1.8	11
1499	Exosomes derived from miR-26a-modified MSCs promote axonal regeneration via the PTEN/AKT/mTOR pathway following spinal cord injury. Stem Cell Research and Therapy, 2021, 12, 224.	2.4	43
1500	Characterization and proteome analysis of the extracellular vesicles of Phytophthora capsici. Journal of Proteomics, 2021, 238, 104137.	1.2	7
1502	Biological insights in the pathogenesis of hypermobile Ehlers-Danlos syndrome from proteome profiling of patients' dermal myofibroblasts. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166051.	1.8	12
1503	Lipid nanovesicles for biomedical applications: â€˜What is in a nameâ€™?. Progress in Lipid Research, 2021, 82, 101096.	5.3	40
1504	Surface-Enhanced Raman Scattering (SERS) Spectroscopy for Sensing and Characterization of Exosomes in Cancer Diagnosis. Cancers, 2021, 13, 2179.	1.7	49
1505	Hypoxic Conditions Promote the Angiogenic Potential of Human Induced Pluripotent Stem Cell-Derived Extracellular Vesicles. International Journal of Molecular Sciences, 2021, 22, 3890.	1.8	18

#	Article	IF	Citations
1506	Neural stem cells traffic functional mitochondria via extracellular vesicles. PLoS Biology, 2021, 19, e3001166.	2.6	95
1507	Carnitine palmitoyl transferase 1A is a novel diagnostic and predictive biomarker for breast cancer. BMC Cancer, 2021, 21, 409.	1.1	21
1508	Helicobacter pylori Outer Membrane Vesicles and Extracellular Vesicles from Helicobacter pylori-Infected Cells in Gastric Disease Development. International Journal of Molecular Sciences, 2021, 22, 4823.	1.8	24
1509	Plasma-Derived Exosomal ALIX as a Novel Biomarker for Diagnosis and Classification of Pancreatic Cancer. Frontiers in Oncology, 2021, 11, 628346.	1.3	12
1511	Extracellular RNA in Alzheimerâ€™s disease. ExRNA, 0, 3, 1-1.	1.0	0
1512	Extracellular Vesicles in neural cell interaction and CNS homeostasis. FASEB BioAdvances, 2021, 3, 577-592.	1.3	45
1513	Mesenchymal stem cell-derived microvesicles improve intestinal barrier function by restoring mitochondrial dynamic balance in sepsis rats. Stem Cell Research and Therapy, 2021, 12, 299.	2.4	11
1514	A preview of selected articles. Stem Cells Translational Medicine, 2021, 10, 811-814.	1.6	0
1516	The role of exosomal PD-L1 in tumor immunotherapy. Translational Oncology, 2021, 14, 101047.	1.7	31
1517	Mutant Presenilin 1 Dysregulates Exosomal Proteome Cargo Produced by Human-Induced Pluripotent Stem Cell Neurons. ACS Omega, 2021, 6, 13033-13056.	1.6	7
1518	Endothelial Exosome Plays a Functional Role during Rickettsial Infection. MBio, 2021, 12, .	1.8	15
1519	Current Search through Liquid Biopsy of Effective Biomarkers for Early Cancer Diagnosis into the Rich Cargoes of Extracellular Vesicles. International Journal of Molecular Sciences, 2021, 22, 5674.	1.8	15
1520	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2021, 10, e12093.	5.5	182
1521	A Holistic Review of the Stateâ€ofâ€theâ€Art Microfluidics for Exosome Separation: An Overview of the Current Status, Existing Obstacles, and Future Outlook. Small, 2021, 17, e2007174.	5.2	52
1522	Urinary Extracellular Vesicles for Diabetic Kidney Disease Diagnosis. Journal of Clinical Medicine, 2021, 10, 2046.	1.0	10
1523	Umbilical mesenchymal stem cell-derived extracellular vesicles as enzyme delivery vehicle to treat Morquio A fibroblasts. Stem Cell Research and Therapy, 2021, 12, 276.	2.4	5
1524	Proteome characterisation of extracellular vesicles isolated from heart. Proteomics, 2021, 21, e2100026.	1.3	28
1525	Cross-Talk Between Mesenchymal Stromal Cells (MSCs) and Endothelial Progenitor Cells (EPCs) in Bone Regeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 674084.	1.8	32

#	Article	IF	Citations
1526	Extracellular Vesicles: Potential Mediators of Psychosocial Stress Contribution to Osteoporosis?. International Journal of Molecular Sciences, 2021, 22, 5846.	1.8	6
1528	Highâ€Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Singleâ€Molecule Sensitive Flow Technique and Transistorâ€like Semiconducting Polymer Dots. Angewandte Chemie, 2021, 133, 13582-13587.	1.6	5
1529	Highâ€Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Singleâ€Molecule Sensitive Flow Technique and Transistorâ€like Semiconducting Polymer Dots. Angewandte Chemie - International Edition, 2021, 60, 13470-13475.	7.2	27
1530	Skeletal Muscle Nrf2 Contributes to Exercise-Evoked Systemic Antioxidant Defense Via Extracellular Vesicular Communication. Exercise and Sport Sciences Reviews, 2021, 49, 213-222.	1.6	16
1531	Clinical Significance of Heme Oxygenase 1 in Tumor Progression. Antioxidants, 2021, 10, 789.	2.2	26
1532	Extracellular Vesicles and Asthmaâ€"More Than Just
a Co-Existence. International Journal of Molecular Sciences, 2021, 22, 4984.	1.8	33
1533	Exosome-Contained APOH Associated With Antiphospholipid Syndrome. Frontiers in Immunology, 2021, 12, 604222.	2.2	8
1534	Activated fibroblasts enhance cancer cell migration by microvesicles-mediated transfer of Galectin-1. Journal of Cell Communication and Signaling, 2021, 15, 405-419.	1.8	13
1535	Liquid Biopsy in the Clinical Management of High-Grade Serous Epithelial Ovarian Cancerâ€"Current Use and Future Opportunities. Cancers, 2021, 13, 2386.	1.7	6
1536	Extracellular vesicles activate ATMâ€Chk2 signaling pathway through the intercellular transfer of mitochondrial DNA in HBVâ€infected human hepatocytes. FASEB Journal, 2021, 35, e21680.	0.2	5
1537	Melanoma-derived extracellular vesicles skew neutrophils into a pro-tumor phenotype. Journal of Leukocyte Biology, 2022, 111, 585-596.	1.5	21
1538	Reduced O-GlcNAcylation of SNAP-23 promotes cisplatin resistance by inducing exosome secretion in ovarian cancer. Cell Death Discovery, 2021, 7, 112.	2.0	17
1539	Î²-Glucan-stimulated neutrophil secretion of IL-1Î± is independent of GSDMD and mediated through extracellular vesicles. Cell Reports, 2021, 35, 109139.	2.9	20
1540	miR-146a Dysregulates Energy Metabolism During Neuroinflammation. Journal of NeuroImmune Pharmacology, 2022, 17, 228-241.	2.1	11
1541	Local oncolytic adenovirotherapy produces an abscopal effect via tumor-derived extracellular vesicles. Molecular Therapy, 2021, 29, 2920-2930.	3.7	14
1542	Circulating MicroRNAs. Transplantation, 2021, Publish Ahead of Print, .	0.5	1
1543	Melanin Transfer and Fate within Keratinocytes in Human Skin Pigmentation. Integrative and Comparative Biology, 2021, 61, 1546-1555.	0.9	32
1544	Nanoprojectile Secondary Ion Mass Spectrometry for Analysis of Extracellular Vesicles. Analytical Chemistry, 2021, 93, 7481-7490.	3.2	13

#	Article	IF	Citations
1545	A versatile platform for generating engineered extracellular vesicles with defined therapeutic properties. Molecular Therapy, 2021, 29, 1729-1743.	3.7	152
1546	Ubiquinone Metabolism and Transcription HIF-1 Targets Pathway Are Toxicity Signature Pathways Present in Extracellular Vesicles of Paraquat-Exposed Human Brain Microvascular Endothelial Cells. International Journal of Molecular Sciences, 2021, 22, 5065.	1.8	3
1547	From Exosome Glycobiology to Exosome Glycotechnology, the Role of Natural Occurring Polysaccharides. Polysaccharides, 2021, 2, 311-338.	2.1	3
1548	Extracellular vesicle-derived miRNA as a novel regulatory system for bi-directional communication in gut-brain-microbiota axis. Journal of Translational Medicine, 2021, 19, 202.	1.8	24
1549	Opposing functions for retromer and Rab11 in extracellular vesicle traffic at presynaptic terminals. Journal of Cell Biology, 2021, 220, .	2.3	25
1550	Plant-Derived Extracellular Vesicles: Current Findings, Challenges, and Future Applications. Membranes, 2021, 11, 411.	1.4	44
1551	Effects of mesenchymal stromal cellâ€derived extracellular vesicles in acute respiratory distress syndrome (ARDS): Current understanding and future perspectives. Journal of Leukocyte Biology, 2021, 110, 27-38.	1.5	10
1552	Therapeutic Exosomes in Prognosis and Developments of Coronary Artery Disease. Frontiers in Cardiovascular Medicine, 2021, 8, 691548.	1.1	5
1553	Cancer stem cell marker DCLK1 reprograms small extracellular vesicles toward migratory phenotype in gastric cancer cells. Proteomics, 2021, 21, e2000098.	1.3	15
1554	miR-29a-3p transferred by mesenchymal stem cells-derived extracellular vesicles protects against myocardial injury after severe acute pancreatitis. Life Sciences, 2021, 272, 119189.	2.0	19
1555	The Role of Viral Proteins in the Regulation of Exosomes Biogenesis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 671625.	1.8	11
1556	Isolation of Cell-Free miRNA from Biological Fluids: Influencing Factors and Methods. Diagnostics, 2021, 11, 865.	1.3	21
1557	Non-canonical argonaute loading of extracellular vesicle-derived exogenous single-stranded miRNA in recipient cells. Journal of Cell Science, 2021, 134, .	1.2	14
1558	Extracellular mitochondria in the cerebrospinal fluid (CSF): Potential types and key roles in central nervous system (CNS) physiology and pathogenesis. Mitochondrion, 2021, 58, 255-269.	1.6	21
1559	Salidroside Inhibits CCl4-Induced Liver Fibrosis in Mice by Reducing Activation and Migration of HSC Induced by Liver Sinusoidal Endothelial Cell-Derived Exosomal SphK1. Frontiers in Pharmacology, 2021, 12, 677810.	1.6	26
1560	Emerging roles of extracellular vesicles in COVIDâ€19, a doubleâ€edged sword?. Immunology, 2021, 163, 416-430.	2.0	29
1561	Complex Roles of Neutrophils during Arboviral Infections. Cells, 2021, 10, 1324.	1.8	7
1562	High-grade extracellular vesicles preparation by combined size-exclusion and affinity chromatography. Scientific Reports, 2021, 11, 10550.	1.6	17

#	Article	IF	Citations
1564	Extracellular Vesicle Application as a Novel Therapeutic Strategy for Ischemic Stroke. Translational Stroke Research, 2022, 13, 171-187.	2.3	9
1565	Emerging Roles for Browning of White Adipose Tissue in Prostate Cancer Malignant Behaviour. International Journal of Molecular Sciences, 2021, 22, 5560.	1.8	9
1566	Mesenchymal Stem Cell and MicroRNA Therapy of Musculoskeletal Diseases. International Journal of Stem Cells, 2021, 14, 150-167.	0.8	11
1567	Microglia in Aging and Alzheimerâ€™s Disease: A Comparative Species Review. Cells, 2021, 10, 1138.	1.8	57
1568	Microglial Extracellular Vesicles as Vehicles for Neurodegeneration Spreading. Biomolecules, 2021, 11, 770.	1.8	31
1569	Regulation of Nrf2 signaling pathway in heart failure: Role of extracellular vesicles and non-coding RNAs. Free Radical Biology and Medicine, 2021, 167, 218-231.	1.3	30
1570	Biogenesis, Membrane Trafficking, Functions, and Next Generation Nanotherapeutics Medicine of Extracellular Vesicles. International Journal of Nanomedicine, 2021, Volume 16, 3357-3383.	3.3	54
1571	Plant extracellular vesicles: Trojan horses of crossâ€kingdom warfare. FASEB BioAdvances, 2021, 3, 657-664.	1.3	29
1572	Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Potential Therapeutic Strategy for Acute Kidney Injury. Frontiers in Immunology, 2021, 12, 684496.	2.2	11
1573	Extracellular Vesicles in Immune System Regulation and Type 1 Diabetes: Cell-to-Cell Communication Mediators, Disease Biomarkers, and Promising Therapeutic Tools. Frontiers in Immunology, 2021, 12, 682948.	2.2	23
1574	C-type lectins and extracellular vesicles in virus-induced NETosis. Journal of Biomedical Science, 2021, 28, 46.	2.6	32
1575	Regional Heterogeneity of Perivascular Adipose Tissue: Morphology, Origin, and Secretome. Frontiers in Pharmacology, 2021, 12, 697720.	1.6	16
1576	Interplay between Hypoxia and Extracellular Vesicles in Cancer and Inflammation. Biology, 2021, 10, 606.	1.3	12
1577	Extracellular vesicles in cancer progression. Seminars in Cancer Biology, 2021, 76, 139-142.	4.3	27
1578	Metastasis-associated fibroblasts: an emerging target for metastatic cancer. Biomarker Research, 2021, 9, 47.	2.8	24
1579	Connecting COPD GWAS Genes: FAM13A Controls TGFÎ²2 Secretion by Modulating AP-3 Transport. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 532-543.	1.4	4
1580	Monitoring Insect Transposable Elements in Large Double-Stranded DNA Viruses Reveals Host-to-Virus and Virus-to-Virus Transposition. Molecular Biology and Evolution, 2021, 38, 3512-3530.	3.5	8
1581	Plasma Extracellular Vesicles Enhance HIV-1 Infection of Activated CD4+ T Cells and Promote the Activation of Latently Infected J-Lat10.6 Cells via miR-139-5p Transfer. Frontiers in Immunology, 2021, 12, 697604.	2.2	14

#	Article	IF	Citations
1582	The Role of Extracellular Vesicles in Disease Progression and Detection of Hepatocellular Carcinoma. Cancers, 2021, 13, 3076.	1.7	30
1583	Role of Extracellular Vesicles in Placental Inflammation and Local Immune Balance. Mediators of Inflammation, 2021, 2021, 1-10.	1.4	7
1584	Message in a Bubble: Shuttling Small RNAs and Proteins Between Cells and Interacting Organisms Using Extracellular Vesicles. Annual Review of Plant Biology, 2021, 72, 497-524.	8.6	85
1585	Urinary proteomics for kidney dysfunction: insights and trends. Expert Review of Proteomics, 2021, 18, 437-452.	1.3	4
1586	In situ and ex situ imaging of plant extracellular vesicles as nanovectors for crossâ€domain communication. Journal of Phytopathology, 2021, 169, 515-524.	0.5	2
1587	Critical Review of the Evolution of Extracellular Vesiclesâ€™ Knowledge: From 1946 to Today. International Journal of Molecular Sciences, 2021, 22, 6417.	1.8	64
1588	Eribulin and Paclitaxel Differentially Alter Extracellular Vesicles and Their Cargo from Triple-Negative Breast Cancer Cells. Cancers, 2021, 13, 2783.	1.7	8
1589	Potential and challenges of specifically isolating extracellular vesicles from heterogeneous populations. Scientific Reports, 2021, 11, 11585.	1.6	42
1590	Extracellular vesicles as antigen carriers for novel vaccination avenues. Advanced Drug Delivery Reviews, 2021, 173, 164-180.	6.6	49
1591	The role of endolysosomal trafficking in anticancer drug resistance. Drug Resistance Updates, 2021, 57, 100769.	6.5	23
1592	Extracellular Vesicles and Hematopoietic Stem Cell Aging. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e399-e416.	1.1	4
1593	Recent Advances in the Label-Free Characterization of Exosomes for Cancer Liquid Biopsy: From Scattering and Spectroscopy to Nanoindentation and Nanodevices. Nanomaterials, 2021, 11, 1476.	1.9	25
1594	Exosomal microRNAs as diagnostic and therapeutic biomarkers in non-malignant liver diseases. Archives of Pharmacal Research, 2021, 44, 574-587.	2.7	17
1595	Extracellular vesicleâ€“ and particle-mediated communication shapes innate and adaptive immune responses. Journal of Experimental Medicine, 2021, 218, .	4.2	47
1596	Serum Exosomes Derived from Irritable Bowel Syndrome Patient Increase Cell Permeability via Regulating miR-148b-5p/RGS2 Signaling in Human Colonic Epithelium Cells. Gastroenterology Research and Practice, 2021, 2021, 1-8.	0.7	9
1597	Role of Exosomal Non-coding RNAs in Gastric Cancer: Biological Functions and Potential Clinical Applications. Frontiers in Oncology, 2021, 11, 700168.	1.3	4
1598	Imaging of Endocytic Trafficking and Extracellular Vesicles Released Under Neratinib Treatment in ERBB2+ Breast Cancer Cells. Journal of Histochemistry and Cytochemistry, 2021, 69, 461-473.	1.3	7
1599	The challenging world of extracellular RNAs of helminth parasites. Molecular Immunology, 2021, 134, 150-160.	1.0	11

#	Article	IF	Citations
1600	Characterization and Functional Analysis of Tumorâ€Derived Microparticles. Current Protocols, 2021, 1, e144.	1.3	5
1601	Phospholipase A2 Drives Tumorigenesis and Cancer Aggressiveness through Its Interaction with Annexin A1. Cells, 2021, 10, 1472.	1.8	44
1602	Kim-1 Targeted Extracellular Vesicles: A New Therapeutic Platform for RNAi to Treat AKI. Journal of the American Society of Nephrology: JASN, 2021, 32, 2467-2483.	3.0	50
1603	Chaperonins in cancer: Expression, function, and migration in extracellular vesicles. Seminars in Cancer Biology, 2021, , .	4.3	20
1604	Using single-vesicle technologies to unravel the heterogeneity of extracellular vesicles. Nature Protocols, 2021, 16, 3163-3185.	5.5	118
1605	Extracellular Vesicles in Organ Fibrosis: Mechanisms, Therapies, and Diagnostics. Cells, 2021, 10, 1596.	1.8	33
1606	No small matter: emerging roles for exosomal miRNAs in the immune system. FEBS Journal, 2022, 289, 4021-4037.	2.2	10
1607	Bacterial extracellular vesicles: Understanding biology promotes applications as nanopharmaceuticals. Advanced Drug Delivery Reviews, 2021, 173, 125-140.	6.6	47
1608	Fibroblast fusion to the muscle fiber regulates myotendinous junction formation. Nature Communications, 2021, 12, 3852.	5.8	35
1609	Nanofluidics for Simultaneous Size and Charge Profiling of Extracellular Vesicles. Nano Letters, 2021, 21, 4895-4902.	4.5	11
1610	Approaches to surface engineering of extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 173, 416-426.	6.6	87
1611	Role of extracellular vesicles in neurodegenerative diseases. Progress in Neurobiology, 2021, 201, 102022.	2.8	41
1612	Bio-Nanocarriers for Lung Cancer Management: Befriending the Barriers. Nano-Micro Letters, 2021, 13, 142.	14.4	16
1613	Engineered EV-Mimetic Nanoparticles as Therapeutic Delivery Vehicles for High-Grade Serous Ovarian Cancer. Cancers, 2021, 13, 3075.	1.7	11
1614	SHED aggregate exosomes shuttled miRâ€26a promote angiogenesis in pulp regeneration via TGFâ€Î²2/SMAD2/3 signalling. Cell Proliferation, 2021, 54, e13074.	2.4	46
1615	Exosomes in the lung cancer microenvironment: biological functions and potential use as clinical biomarkers. Cancer Cell International, 2021, 21, 333.	1.8	10
1616	Osteoblast Differentiation and Signaling: Established Concepts and Emerging Topics. International Journal of Molecular Sciences, 2021, 22, 6651.	1.8	63
1617	Oncogenic RAS drives the CRAFâ€dependent extracellular vesicle uptake mechanism coupled with metastasis. Journal of Extracellular Vesicles, 2021, 10, e12091.	5.5	15

#	Article	IF	Citations
1619	Delivering the goods: Fungal secretion modulates virulence during hostâ€“pathogen interactions. Fungal Biology Reviews, 2021, 36, 76-86.	1.9	10
1620	Glycolipid-Anchored Proteins on Bioengineered Extracellular Vesicles for Lipopolysaccharide Neutralization. ACS Applied Materials & Interfaces, 2021, 13, 29313-29324.	4.0	3
1621	Emerging roles of exosomal miRNAs in diabetes mellitus. Clinical and Translational Medicine, 2021, 11, e468.	1.7	95
1622	Extracellular Vesicles of Mesenchymal Stem Cells: Therapeutic Properties Discovered with Extraordinary Success. Biomedicines, 2021, 9, 667.	1.4	39
1623	Exosomal microRNA in Pancreatic Cancer Diagnosis, Prognosis, and Treatment: From Bench to Bedside. Cancers, 2021, 13, 2777.	1.7	18
1624	Recent advances on protein-based quantification of extracellular vesicles. Analytical Biochemistry, 2021, 622, 114168.	1.1	19
1625	Cellular crosstalk in cardioprotection: Where and when do reactive oxygen species play a role?. Free Radical Biology and Medicine, 2021, 169, 397-409.	1.3	16
1626	The Role of Extracellular Vesicles as Shuttles of RNA and Their Clinical Significance as Biomarkers in Hepatocellular Carcinoma. Genes, 2021, 12, 902.	1.0	4
1627	Sunitinib and Axitinib increase secretion and glycolytic activity of small extracellular vesicles in renal cell carcinoma. Cancer Gene Therapy, 2022, 29, 683-696.	2.2	4
1628	Nucleic acid delivery with extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 173, 89-111.	6.6	48
1630	On the Relationship of Viral Particles and Extracellular Vesicles: Implications for Viral Vector Technology. Viruses, 2021, 13, 1238.	1.5	6
1631	Extracellular Vesicles â€“ the next frontier in endocrinology. Endocrinology, 2021, 162, .	1.4	14
1632	Nanomedicine at the crossroads â€“ A quick guide for IVIVC. Advanced Drug Delivery Reviews, 2021, 179, 113829.	6.6	29
1633	Comprehensive Analysis of Peripheral Exosomal circRNAs in Large Artery Atherosclerotic Stroke. Frontiers in Cell and Developmental Biology, 2021, 9, 685741.	1.8	13
1634	Exploring interactions between extracellular vesicles and cells for innovative drug delivery system design. Advanced Drug Delivery Reviews, 2021, 173, 252-278.	6.6	55
1635	Functions of Oxysterol-Binding Proteins at Membrane Contact Sites and Their Control by Phosphoinositide Metabolism. Frontiers in Cell and Developmental Biology, 2021, 9, 664788.	1.8	35
1636	Characterization of extracellular vesicles derived from mesenchymal stromal cells by surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2021, 413, 5013-5024.	1.9	17
1637	Uveal melanoma pathobiology: Metastasis to the liver. Seminars in Cancer Biology, 2021, 71, 65-85.	4.3	38

#	Article	IF	Citations
1638	Exosomes of Mesenchymal Stem Cells as a Proper Vehicle for Transfecting miR-145 into the Breast Cancer Cell Line and Its Effect on Metastasis. BioMed Research International, 2021, 2021, 1-15.	0.9	32
1639	Impact of chemically defined culture media formulations on extracellular vesicle production by amniotic epithelial cells. Proteomics, 2021, 21, 2000080.	1.3	9
1640	Extracellular Vesicle Nanoarchitectonics for Novel Drug Delivery Applications. Small, 2021, 17, e2102220.	5.2	48
1641	A size-exclusion-based approach for purifying extracellular vesicles from human plasma. Cell Reports Methods, 2021, 1, 100055.	1.4	25
1642	Extracellular vesicles in the development of organâ€specific metastasis. Journal of Extracellular Vesicles, 2021, 10, e12125.	5.5	49
1643	Extracellular Vesicles in Non-alcoholic Fatty Liver Disease and Alcoholic Liver Disease. Frontiers in Physiology, 2021, 12, 707429.	1.3	18
1644	Lipid Transporters Beam Signals from Cell Membranes. Membranes, 2021, 11, 562.	1.4	9
1645	Extracellular Vesicles in Advanced Prostate Cancer: Tools to Predict and Thwart Therapeutic Resistance. Cancers, 2021, 13, 3791.	1.7	5
1646	Detection of Prostate Cancer via IR Spectroscopic Analysis of Urinary Extracellular Vesicles: A Pilot Study. Membranes, 2021, 11, 591.	1.4	8
1647	The emerging role of exosomes in Alzheimerâ€™s disease. Ageing Research Reviews, 2021, 68, 101321.	5.0	68
1648	Exosomal miR-375-3p breaks vascular barrier and promotes small cell lung cancer metastasis by targeting claudin-1. Translational Lung Cancer Research, 2021, 10, 3155-3172.	1.3	32
1649	Embryonic stem cell-derived extracellular vesicles promote the recovery of kidney injury. Stem Cell Research and Therapy, 2021, 12, 379.	2.4	21
1650	Adipose Tissue-Derived Extracellular Vesicles and the Tumor Microenvironment: Revisiting the Hallmarks of Cancer. Cancers, 2021, 13, 3328.	1.7	17
1651	Extracellular Vesicles Derived from Endothelial Progenitor Cells Protect Human Glomerular Endothelial Cells and Podocytes from Complement- and Cytokine-Mediated Injury. Cells, 2021, 10, 1675.	1.8	28
1652	Intelligent Probabilistic System for Digital Tracing Cellular Origin of Individual Clinical Extracellular Vesicles. Analytical Chemistry, 2021, 93, 10343-10350.	3.2	19
1653	Acute promyelocytic leukemia derived extracellular vesicles conserve PML-RARÎ± transcript from storage-inflicted degradation: a stable diagnosis tool in APL patients. Annals of Hematology, 2021, 100, 2241-2252.	0.8	1
1654	A New Infectious Unit: Extracellular Vesicles Carrying Virus Populations. Annual Review of Cell and Developmental Biology, 2021, 37, 171-197.	4.0	38
1655	Extracellular vesicles produced by primary human keratinocytes in response to TLR agonists induce stimulus-specific responses in antigen-presenting cells. Cellular Signalling, 2021, 83, 109994.	1.7	9

#	Article	IF	Citations
1656	Mesenchymal stromal cells-derived extracellular vesicles alleviate systemic sclerosis via miR-29a-3p. Journal of Autoimmunity, 2021, 121, 102660.	3.0	29
1657	Molecular evaluation of five different isolation methods for extracellular vesicles reveals different clinical applicability and subcellular origin. Journal of Extracellular Vesicles, 2021, 10, e12128.	5.5	136
1658	Role of Extracellular Vesicles in Compromising Cellular Resilience to Environmental Stressors. BioMed Research International, 2021, 2021, 1-15.	0.9	12
1659	Extracellular vesicles derived from myocardial infarction plasma inhibit BMSCs apoptosis and enhance cardiac function via AKT signaling pathway. International Immunopharmacology, 2021, 96, 107730.	1.7	5
1660	Extracellular vesicles from neurons promote neural induction of stem cells through cyclin D1. Journal of Cell Biology, 2021, 220, .	2.3	20
1661	Separation, characterization, and standardization of extracellular vesicles for drug delivery applications. Advanced Drug Delivery Reviews, 2021, 174, 348-368.	6.6	66
1662	Repair of peripheral nerve defects by nerve grafts incorporated with extracellular vesicles from skin-derived precursor Schwann cells. Acta Biomaterialia, 2021, 134, 190-203.	4.1	38
1663	Research Progress in the Repair of Peripheral Nerve Injury with Adipose-Derived Stem Cell Exosomes. Journal of Biomedical Research & Environmental Sciences, 2021, 2, 618-623.	0.1	0
1664	Stem Cell Therapies for Progressive Multiple Sclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 696434.	1.8	25
1665	mRNA Inventory of Extracellular Vesicles from Ustilago maydis. Journal of Fungi (Basel, Switzerland), 2021, 7, 562.	1.5	21
1666	Exosome-Based Vaccines: History, Current State, and Clinical Trials. Frontiers in Immunology, 2021, 12, 711565.	2.2	103
1667	Impact of Diabetes Mellitus on the Potential of Autologous Stem Cells and Stem Cellâ€"Derived Microvesicles to Repair the Ischemic Heart. Cardiovascular Drugs and Therapy, 2022, 36, 933-949.	1.3	2
1668	The significance of exosomal RNAs in the development, diagnosis, and treatment of pancreatic cancer. Cancer Cell International, 2021, 21, 364.	1.8	11
1670	The Emerging Role of Circular RNAs in Prostate Cancer: A Systematic Review. Frontiers in Cell and Developmental Biology, 2021, 9, 681163.	1.8	3
1671	Unannotated small RNA clusters associated with circulating extracellular vesicles detect early stage liver cancer. Gut, 2022, 71, 2069-2080.	6.1	24
1672	Flood Control: How Milk-Derived Extracellular Vesicles Can Help to Improve the Intestinal Barrier Function and Break the Gutâ€"Joint Axis in Rheumatoid Arthritis. Frontiers in Immunology, 2021, 12, 703277.	2.2	24
1673	Extracellular Vesicles in Blood: Sources, Effects, and Applications. International Journal of Molecular Sciences, 2021, 22, 8163.	1.8	68
1674	Exosomes as New Biomarkers and Drug Delivery Tools for the Prevention and Treatment of Various Diseases: Current Perspectives. International Journal of Molecular Sciences, 2021, 22, 7763.	1.8	22

#	Article	IF	Citations
1675	Defining candidate mRNA and protein EV biomarkers to discriminate ccRCC and pRCC from non-malignant renal cells in vitro. Medical Oncology, 2021, 38, 105.	1.2	5
1676	The multifaceted involvement of exosomes in tumor progression: Induction and inhibition. MedComm, 2021, 2, 297-314.	3.1	10
1677	Extracellular vesicles: Regenerative medicine prospect in hematological malignancies. Cell Biology International, 2021, 45, 2031-2044.	1.4	3
1678	Exosomes in Atherosclerosis, a Double-Edged Sword: Their Role in Disease Pathogenesis and Their Potential as Novel Therapeutics. AAPS Journal, 2021, 23, 95.	2.2	17
1679	Specificities of exosome versus small ectosome secretion revealed by live intracellular tracking of CD63 and CD9. Nature Communications, 2021, 12, 4389.	5.8	342
1680	Extracellular Vesicles: A Novel Opportunity for Precision Medicine in Respiratory Diseases. Frontiers in Medicine, 2021, 8, 661679.	1.2	15
1681	Targeting Inflammation after Myocardial Infarction: A Therapeutic Opportunity for Extracellular Vesicles?. International Journal of Molecular Sciences, 2021, 22, 7831.	1.8	23
1682	Large Platelet and Endothelial Extracellular Vesicles in Cord Blood of Preterm Newborns: Correlation with the Presence of Hemolysis. Diagnostics, 2021, 11, 1316.	1.3	2
1683	Controlled release of MSC-derived small extracellular vesicles by an injectable Diels-Alder crosslinked hyaluronic acid/PEG hydrogel for osteoarthritis improvement. Acta Biomaterialia, 2021, 128, 163-174.	4.1	37
1684	Rapid communication: insights into the role of extracellular vesicles during Auger radioimmunotherapy. International Journal of Radiation Biology, 2023, 99, 109-118.	1.0	6
1685	Cerebrospinal Fluid of Patients With Alzheimerâ€™s Disease Contains Increased Percentages of Synaptophysin-Bearing Microvesicles. Frontiers in Aging Neuroscience, 2021, 13, 682115.	1.7	6
1686	Extracellular Vesicles as Mediators of Cancer Disease and as Nanosystems in Theranostic Applications. Cancers, 2021, 13, 3324.	1.7	13
1687	Unlocking the Potential of Induced Pluripotent Stem Cells for Wound Healing: The Next Frontier of Regenerative Medicine. Advances in Wound Care, 2022, 11, 622-638.	2.6	6
1689	In Situ Membrane Biotinylation Enables the Direct Labeling and Accurate Kinetic Analysis of Small Extracellular Vesicles in Circulation. Analytical Chemistry, 2021, 93, 10862-10870.	3.2	8
1690	Oncolytic viruses as a promising therapeutic strategy for hematological malignancies. Biomedicine and Pharmacotherapy, 2021, 139, 111573.	2.5	12
1692	Extracellular matrix influences astrocytic extracellular vesicle function in wound repair. Brain Research, 2021, 1763, 147462.	1.1	8
1693	Circulating MicroRNAs in Gastrointestinal Cancer. Cancers, 2021, 13, 3348.	1.7	9
1694	Enhancing the Stabilization Potential of Lyophilization for Extracellular Vesicles. Advanced Healthcare Materials, 2022, 11, e2100538.	3.9	42

#	Article	IF	Citations
1695	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. Journal of Controlled Release, 2021, 335, 281-289.	4.8	6
1696	Extracellular vesicles and exosomes generated from cystic renal epithelial cells promote cyst growth in autosomal dominant polycystic kidney disease. Nature Communications, 2021, 12, 4548.	5.8	42
1697	A Small Vimentin-Binding Molecule Blocks Cancer Exosome Release and Reduces Cancer Cell Mobility. Frontiers in Pharmacology, 2021, 12, 627394.	1.6	13
1698	Microvesicles â€“ promising tiny playersâ€™ of cancer stem cells targeted liver cancer treatments: The interesting interactions and therapeutic aspects. Pharmacological Research, 2021, 169, 105609.	3.1	4
1699	Plant-derived exosome-like nanoparticles and their therapeutic activities. Asian Journal of Pharmaceutical Sciences, 2022, 17, 53-69.	4.3	110
1700	Extracellular Vesicles: A New Paradigm for Cellular Communication in Perioperative Medicine, Critical Care, and Pain Management. Anesthesia and Analgesia, 2021, Publish Ahead of Print, 1162-1179.	1.1	1
1701	Co-culturing experiments reveal the uptake of myo-inositol phosphate synthase (EC 5.5.1.4) in an inositol auxotroph of Saccharomyces cerevisiae. Microbial Cell Factories, 2021, 20, 138.	1.9	0
1702	Periodontal and Dental Pulp Cell-Derived Small Extracellular Vesicles: A Review of the Current Status. Nanomaterials, 2021, 11, 1858.	1.9	27
1703	Fostering â€œEducationâ€• Do Extracellular Vesicles Exploit Their Own Delivery Code?. Cells, 2021, 10, 1741.	1.8	3
1704	Emerging Exosomes and Exosomal MiRNAs in Spinal Cord Injury. Frontiers in Cell and Developmental Biology, 2021, 9, 703989.	1.8	44
1705	Adipose-derived stromal/stem cells and extracellular vesicles for cancer therapy. Expert Opinion on Biological Therapy, 2022, 22, 67-78.	1.4	2
1706	Friends and foes: Extracellular vesicles in aging and rejuvenation. FASEB BioAdvances, 2021, 3, 787-801.	1.3	15
1707	Diagnostic potential of serum extracellular vesicles expressing prostate-specific membrane antigen in urologic malignancies. Scientific Reports, 2021, 11, 15000.	1.6	9
1708	Living Proof of Activity of Extracellular Vesicles in the Central Nervous System. International Journal of Molecular Sciences, 2021, 22, 7294.	1.8	12
1709	Differential RNA packaging into small extracellular vesicles by neurons and astrocytes. Cell Communication and Signaling, 2021, 19, 75.	2.7	11
1711	Exosomes derived from miR-16-5p-overexpressing keratinocytes attenuates bleomycin-induced skin fibrosis. Biochemical and Biophysical Research Communications, 2021, 561, 113-119.	1.0	5
1712	Desmogleinâ€2 expression is an independent predictor of poor prognosis patients with multiple myeloma. Molecular Oncology, 2022, 16, 1221-1240.	2.1	9
1713	Glycometabolism regulates hepatitis C virus release. PLoS Pathogens, 2021, 17, e1009746.	2.1	5

#	Article	IF	Citations
1714	Ruminant Milk-Derived Extracellular Vesicles: A Nutritional and Therapeutic Opportunity?. Nutrients, 2021, 13, 2505.	1.7	16
1715	Mechanism of Exosomes Involved in Osteoimmunity Promoting Osseointegration Around Titanium Implants With Small-Scale Topography. Frontiers in Bioengineering and Biotechnology, 2021, 9, 682384.	2.0	12
1716	Illuminating RNA trafficking and functional delivery by extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 174, 250-264.	6.6	29
1717	Lipids and Lipid Derivatives for RNA Delivery. Chemical Reviews, 2021, 121, 12181-12277.	23.0	227
1718	Role of Extracellular Vesicle-Derived Biomarkers in Drug Metabolism and Disposition. Drug Metabolism and Disposition, 2021, 49, 961-971.	1.7	10
1719	Importance of extracellular vesicle secretion at the bloodâ€“cerebrospinal fluid interface in the pathogenesis of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2021, 9, 143.	2.4	30
1720	Acute myeloid leukemia cell-derived extracellular vesicles carrying microRNA-548ac regulate hematopoietic function via the TRIM28/STAT3 pathway. Cancer Gene Therapy, 2022, 29, 918-929.	2.2	6
1721	Extracellular vesicles as delivery systems at nano-/micro-scale. Advanced Drug Delivery Reviews, 2021, 179, 113910.	6.6	45
1722	Platelet-Derived Extracellular Vesicles for Regenerative Medicine. International Journal of Molecular Sciences, 2021, 22, 8580.	1.8	30
1723	In situ Tissue Regeneration in the Cornea from Bench to Bedside. Cells Tissues Organs, 2021, , 1-21.	1.3	4
1724	Extracellular vesicles in atherothrombosis and cardiovascular disease: Friends and foes. Atherosclerosis, 2021, 330, 61-75.	0.4	19
1725	Extracellular Vesicles and Thrombosis: Update on the Clinical and Experimental Evidence. International Journal of Molecular Sciences, 2021, 22, 9317.	1.8	35
1726	Extracellular vesicles tell all: How vesicle-mediated cellular communication shapes hematopoietic stem cell biology with increasing age. Experimental Hematology, 2021, 101-102, 7-15.	0.2	5
1727	Association of Circulating, Inflammatory-Response Exosomal mRNAs With Acute Myocardial Infarction. Frontiers in Cardiovascular Medicine, 2021, 8, 712061.	1.1	7
1728	The Fatty Acid and Protein Profiles of Circulating CD81-Positive Small Extracellular Vesicles Are Associated with Disease Stage in Melanoma Patients. Cancers, 2021, 13, 4157.	1.7	17
1729	Tumor-Derived Extracellular Vesicles: Their Role in Immune Cells and Immunotherapy. International Journal of Nanomedicine, 2021, Volume 16, 5395-5409.	3.3	25
1730	Exosomes and Atherogenesis. Frontiers in Cardiovascular Medicine, 2021, 8, 738031.	1.1	11
1731	The Emerging Role of Neural Cell-Derived Exosomes in Intercellular Communication in Health and Neurodegenerative Diseases. Frontiers in Neuroscience, 2021, 15, 738442.	1.4	42

#	Article	IF	Citations
1732	Tumor-Derived Extracellular Vesicles: Modulation of Cellular Functional Dynamics in Tumor Microenvironment and Its Clinical Implications. Frontiers in Cell and Developmental Biology, 2021, 9, 737449.	1.8	7
1733	Annexin A1 as a Regulator of Immune Response in Cancer. Cells, 2021, 10, 2245.	1.8	42
1734	Small Neuron-Derived Extracellular Vesicles from Individuals with Down Syndrome Propagate Tau Pathology in the Wildtype Mouse Brain. Journal of Clinical Medicine, 2021, 10, 3931.	1.0	10
1736	Urinary small extracellular vesicles derived CCL21 mRNA as biomarker linked with pathogenesis for diabetic nephropathy. Journal of Translational Medicine, 2021, 19, 355.	1.8	15
1737	Circulating extracellular vesicles are a biomarker for NAFLD resolution and response to weight loss surgery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102430.	1.7	19
1738	Engineering Exosomes Endowed with Targeted Delivery of Triptolide for Malignant Melanoma Therapy. ACS Applied Materials & Interfaces, 2021, 13, 42411-42428.	4.0	35
1739	Recent advances in Extracellular Vesicles and their involvements in vasculitis. Free Radical Biology and Medicine, 2021, 171, 203-218.	1.3	11
1740	Isolation methods commonly used to study the liposomal protein corona suffer from contamination issues. Acta Biomaterialia, 2021, 130, 460-472.	4.1	17
1741	Bioinformatic prediction and identification of immunogenic epitopes of the antigenic 14-3-3 protein of Echinococcus multilocularis. Acta Tropica, 2021, 220, 105955.	0.9	7
1742	Effect of MicroRNA-146a Modified Adipose-Derived Stem Cell Exosomes on Rat Back Wound Healing. International Journal of Lower Extremity Wounds, 2023, 22, 704-712.	0.6	14
1743	Recent Progress of Extracellular Vesicle Engineering. ACS Biomaterials Science and Engineering, 2021, 7, 4430-4438.	2.6	19
1744	Toxic and Teratogenic Effects of Prenatal Alcohol Exposure on Fetal Development, Adolescence, and Adulthood. International Journal of Molecular Sciences, 2021, 22, 8785.	1.8	13
1745	Developmental Timing of Trauma in Women Predicts Unique Extracellular Vesicle Proteome Signatures. Biological Psychiatry, 2022, 91, 273-282.	0.7	14
1746	Ewing Sarcoma-Derived Extracellular Vesicles Impair Dendritic Cell Maturation and Function. Cells, 2021, 10, 2081.	1.8	16
1747	Mesenchymal Stem Cell-Derived Exosomes as an Emerging Paradigm for Regenerative Therapy and Nano-Medicine: A Comprehensive Review. Life, 2021, 11, 784.	1.1	17
1748	Exosomes and biomimetic nanovesicles-mediated anti-glioblastoma therapy: A head-to-head comparison. Journal of Controlled Release, 2021, 336, 510-521.	4.8	39
1749	New Vistas for Cell-Surface GlycoRNAs. New England Journal of Medicine, 2021, 385, 658-660.	13.9	3
1750	Extra- and Intra-Cellular Mechanisms of Hepatic Stellate Cell Activation. Biomedicines, 2021, 9, 1014.	1.4	35

#	Article	IF	Citations
1752	Exosomes as Smart Nanoplatforms for Diagnosis and Therapy of Cancer. Frontiers in Oncology, 2021, 11, 743189.	1.3	16
1753	Small Extracellular Vesicles and Metastasisâ€"Blame the Messenger. Cancers, 2021, 13, 4380.	1.7	11
1754	Small Extracellular Vesicles in the Development, Diagnosis, and Possible Therapeutic Application of Esophageal Squamous Cell Carcinoma. Frontiers in Oncology, 2021, 11, 732702.	1.3	14
1755	Extracellular miRNAs and Cellâ€"Cell Communication: Problems and Prospects. Trends in Biochemical Sciences, 2021, 46, 640-651.	3.7	67
1756	Tumor extracellular vesicles drive metastasis (it's a long way from home). FASEB BioAdvances, 2021, 3, 930-943.	1.3	19
1757	Enlarged extracellular vesicles are a negative prognostic factor in patients undergoing TACE for primary or secondary liver cancerâ€"a case series. PLoS ONE, 2021, 16, e0255983.	1.1	4
1758	Integration of Molecular Inflammatory Interactome Analyses Reveals Dynamics of Circulating Cytokines and Extracellular Vesicle Long Non-Coding RNAs and mRNAs in Heroin Addicts During Acute and Protracted Withdrawal. Frontiers in Immunology, 2021, 12, 730300.	2.2	8
1759	Extracellular vesicles package dsDNA to aggravate Crohnâ€™s disease by activating the STING pathway. Cell Death and Disease, 2021, 12, 815.	2.7	22
1760	Extracellular Vesicles as Drug Delivery System for the Treatment of Neurodegenerative Disorders: Optimization of the Cell Source. Advanced NanoBiomed Research, 2021, 1, 2100064.	1.7	13
1761	Phosphatidylserine-deficient small extracellular vesicle is a major somatic cell-derived sEV subpopulation in blood. IScience, 2021, 24, 102839.	1.9	24
1762	Extracellular Vesicles, Stem Cells and the Role of miRNAs in Neurodegeneration. Current Neuropharmacology, 2022, 20, 1450-1478.	1.4	5
1763	Label-free quantitative proteomic analysis of serum extracellular vesicles differentiating patients of alcoholic and nonalcoholic fatty liver diseases. Journal of Proteomics, 2021, 245, 104278.	1.2	10
1764	Evaluation of Colon-Specific Plasma Nanovesicles as New Markers of Colorectal Cancer. Cancers, 2021, 13, 3905.	1.7	5
1765	Role of exosomal long non-coding RNAs in colorectal cancer. World Journal of Gastrointestinal Oncology, 2021, 13, 867-878.	0.8	9
1766	Implications and pitfalls for cancer diagnostics exploiting extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 175, 113819.	6.6	23
1767	Decoding distinctive features of plasma extracellular vesicles in amyotrophic lateral sclerosis. Molecular Neurodegeneration, 2021, 16, 52.	4.4	19
1768	Extracellular vesicle therapeutics from plasma and adipose tissue. Nano Today, 2021, 39, 101159.	6.2	32
1769	Soybean-Derived Antihypertensive Peptide LSW (Leuâ€"Serâ€"Trp) Antagonizes the Damage of Angiotensin II to Vascular Endothelial Cells through the Trans-vesicular Pathway. Journal of Agricultural and Food Chemistry, 2021, 69, 10536-10549.	2.4	16

#	Article	IF	Citations
1770	In vivo imaging of EVs in zebrafish: New perspectives from â€œthe watersideâ€• FASEB BioAdvances, 2021, 3, 918-929.	1.3	7
1771	MiR-195-5p and miR-205-5p in extracellular vesicles isolated from diabetic foot ulcer wound fluid decrease angiogenesis by inhibiting VEGFA expression. Aging, 2021, 13, 19805-19821.	1.4	20
1773	Extracellular vesicles as a drug delivery system: A systematic review of preclinical studies. Advanced Drug Delivery Reviews, 2021, 175, 113801.	6.6	92
1774	Intercellular communication through extracellular vesicles in cancer and evolutionary biology. Progress in Biophysics and Molecular Biology, 2021, 165, 80-87.	1.4	6
1775	Biological Functions Driven by mRNAs Carried by Extracellular Vesicles in Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 620498.	1.8	30
1776	Potential Roles of Extracellular Vesicles as Biomarkers and a Novel Treatment Approach in Multiple Sclerosis. International Journal of Molecular Sciences, 2021, 22, 9011.	1.8	16
1777	Distinct Proteomic Profiling of Plasma Extracellular Vesicles from Moderate-to-Severe Atopic Dermatitis Patients. Clinical, Cosmetic and Investigational Dermatology, 2021, Volume 14, 1033-1043.	0.8	4
1778	Regulatory roles of MicroRNA in shaping T cell function, differentiation and polarization. Seminars in Cell and Developmental Biology, 2022, 124, 34-47.	2.3	12
1779	Exosomes: Biomarkers and Therapeutic Targets of Diabetic Vascular Complications. Frontiers in Endocrinology, 2021, 12, 720466.	1.5	12
1780	Quantification of protein cargo loading into engineered extracellular vesicles at singleâ€vesicle and singleâ€molecule resolution. Journal of Extracellular Vesicles, 2021, 10, e12130.	5.5	57
1781	Dynamic nanoassembly-based drug delivery system (DNDDS): Learning from nature. Advanced Drug Delivery Reviews, 2021, 175, 113830.	6.6	17
1782	Preservation of biomaterials and cells by freeze-drying: Change of paradigm. Journal of Controlled Release, 2021, 336, 480-498.	4.8	62
1783	Extracellular vesicles from mesenchymal stromal cells: Therapeutic perspectives for targeting senescence in osteoarthritis. Advanced Drug Delivery Reviews, 2021, 175, 113836.	6.6	27
1784	Extracellular Vesicles: New Tools for Early Diagnosis of Breast and Genitourinary Cancers. International Journal of Molecular Sciences, 2021, 22, 8430.	1.8	9
1785	Plasma extracellular vesicles released after severe burn injury modulate macrophage phenotype and function. Journal of Leukocyte Biology, 2021, 111, 33-49.	1.5	19
1786	Current Therapies for Neonatal Hypoxicâ€“Ischaemic and Infection-Sensitised Hypoxicâ€“Ischaemic Brain Damage. Frontiers in Synaptic Neuroscience, 2021, 13, 709301.	1.3	17
1787	Diverse RNAs in adipose-derived extracellular vesicles and their therapeutic potential. Molecular Therapy - Nucleic Acids, 2021, 26, 665-677.	2.3	7
1788	Extracellular vesicles in urological malignancies. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188570.	3.3	7

#	Article	IF	Citations
1789	Non-cytomembrane PD-L1: An atypical target for cancer. Pharmacological Research, 2021, 170, 105741.	3.1	19
1790	Cyclophilin A regulates secretion of tumour-derived extracellular vesicles. Translational Oncology, 2021, 14, 101112.	1.7	2
1791	Isoforms of soluble vascular endothelial growth factor in stress-related mental disorders: a cross-sectional study. Scientific Reports, 2021, 11, 16693.	1.6	10
1792	Robust sequential biophysical fractionation of blood plasma to study variations in the biomolecular landscape of systemically circulating extracellular vesicles across clinical conditions. Journal of Extracellular Vesicles, 2021, 10, e12122.	5.5	37
1793	Virus-Induced CD8+ T-Cell Immunity and Its Exploitation to Contain the SARS-CoV-2 Pandemic. Vaccines, 2021, 9, 922.	2.1	9
1794	Cryptococcus extracellular vesicles properties and their use as vaccine platforms. Journal of Extracellular Vesicles, 2021, 10, e12129.	5.5	47
1795	Exogenous loading of miRNAs into small extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12111.	5.5	43
1796	The Challenge of ICIs Resistance in Solid Tumours: Could Microbiota and Its Diversity Be Our Secret Weapon?. Frontiers in Immunology, 2021, 12, 704942.	2.2	4
1797	Extracellular Vesicles: A Double-Edged Sword in Sepsis. Pharmaceuticals, 2021, 14, 829.	1.7	24
1798	Serum extracellular vesicles containing MIAT induces atrial fibrosis, inflammation and oxidative stress to promote atrial remodeling and atrial fibrillation via blockade of miRâ€485â€5pâ€mediated CXCL10 inhibition. Clinical and Translational Medicine, 2021, 11, e482.	1.7	21
1799	Small extracellular vesicles from menstrual blood-derived mesenchymal stem cells (MenSCs) as a novel therapeutic impetus in regenerative medicine. Stem Cell Research and Therapy, 2021, 12, 433.	2.4	26
1800	The power of imaging to understand extracellular vesicle biology in vivo. Nature Methods, 2021, 18, 1013-1026.	9.0	163
1801	Advanced Nanotechnologies for Extracellular Vesicleâ€Based Liquid Biopsy. Advanced Science, 2021, 8, e2102789.	5.6	46
1802	Artificial exosomes for translational nanomedicine. Journal of Nanobiotechnology, 2021, 19, 242.	4.2	133
1803	Proteomic discovery of non-invasive biomarkers of localized prostate cancer using mass spectrometry. Nature Reviews Urology, 2021, 18, 707-724.	1.9	25
1804	Ovarian-Cancer-Associated Extracellular Vesicles: Microenvironmental Regulation and Potential Clinical Applications. Cells, 2021, 10, 2272.	1.8	17
1805	Ectocytosis prevents accumulation of ciliary cargo in C. elegans sensory neurons. ELife, 2021, 10, .	2.8	22
1806	Analysis of MicroRNA Expression Changes During the Course of Therapy In Rectal Cancer Patients. Frontiers in Oncology, 2021, 11, 702258.	1.3	11

#	Article	IF	Citations
1807	miR-340-5p mediates the therapeutic effect of mesenchymal stem cells on corneal neovascularization. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 497-507.	1.0	3
1808	Changing Gly311 to an acidic amino acid in the MATE family protein DTX6 enhances Arabidopsis resistance to the dihydropyridine herbicides. Molecular Plant, 2021, 14, 2115-2125.	3.9	22
1809	Exosomal Proteins and miRNAs as Mediators of Amyotrophic Lateral Sclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 718803.	1.8	9
1810	The effects of tumorâ€derived exosomes on Tâ€cell function and efficacy of cancer immunotherapy. Immunomedicine, 2021, 1, e1029.	0.7	3
1811	Extracellular vesicles synchronize cellular phenotypes of differentiating cells. Journal of Extracellular Vesicles, 2021, 10, e12147.	5.5	4
1812	Exosomes and extracellular vesicles: Rethinking the essential values in cancer biology. Seminars in Cancer Biology, 2021, 74, 79-91.	4.3	65
1813	Tumor-derived exosomes drive immunosuppressive macrophages in a pre-metastatic niche through glycolytic dominant metabolic reprogramming. Cell Metabolism, 2021, 33, 2040-2058.e10.	7.2	200
1814	The proteomes of endometrial stromal cell-derived extracellular vesicles following a decidualizing stimulus define the cellsâ€™ potential for decidualization success. Molecular Human Reproduction, 2021, 27, .	1.3	10
1815	Ultracentrifugal separation, characterization, and functional study of extracellular vesicles derived from serum-free cell culture. STAR Protocols, 2021, 2, 100625.	0.5	6
1816	Shotgun-based proteomics of extracellular vesicles in Alzheimerâ€™s disease reveals biomarkers involved in immunological and coagulation pathways. Scientific Reports, 2021, 11, 18518.	1.6	16
1817	Thimet Oligopeptidaseâ€”A Classical Enzyme with New Function and New Form. Immuno, 2021, 1, 332-346.	0.6	1
1818	Extracellular vesicles in the tumor immune microenvironment. Cancer Letters, 2021, 516, 48-56.	3.2	25
1819	Extracellular Vesicles: Emerging Players in Plant Defense Against Pathogens. Frontiers in Plant Science, 2021, 12, 757925.	1.7	24
1820	Bottom-up assembly of biomedical relevant fully synthetic extracellular vesicles. Science Advances, 2021, 7, eabg6666.	4.7	42
1821	A Comprehensive Insight into the Role of Exosomes in Viral Infection: Dual Faces Bearing Different Functions. Pharmaceutics, 2021, 13, 1405.	2.0	35
1822	Atg8ylation as a general membrane stress and remodeling response. Cell Stress, 2021, 5, 128-142.	1.4	29
1823	Exosomes: Advances, development and potential therapeutic strategies in diabetic nephropathy. Metabolism: Clinical and Experimental, 2021, 122, 154834.	1.5	31
1824	Extracellular vesicles in the treatment of neurological disorders. Neurobiology of Disease, 2021, 157, 105445.	2.1	28

#	Article	IF	Citations
1825	Nucleic Acid Integrated Technologies for Electrochemical Pointâ€ofâ€Care Diagnostics: A Comprehensive Review. Electroanalysis, 2022, 34, 148-160.	1.5	7
1826	Interest of extracellular vesicles in regards to lipid nanoparticle based systems for intracellular protein delivery. Advanced Drug Delivery Reviews, 2021, 176, 113837.	6.6	22
1827	Extracellular Vesicle-Associated miRNAs and Chemoresistance: A Systematic Review. Cancers, 2021, 13, 4608.	1.7	25
1828	Current understanding of the mesenchymal stem cell-derived exosomes in cancer and aging. Biotechnology Reports (Amsterdam, Netherlands), 2021, 31, e00658.	2.1	32
1829	The polysaccharide chitosan facilitates the isolation of small extracellular vesicles from multiple biofluids. Journal of Extracellular Vesicles, 2021, 10, e12138.	5.5	14
1830	The Role of Extracellular HSP70 in the Function of Tumor-Associated Immune Cells. Cancers, 2021, 13, 4721.	1.7	27
1831	Development of Extracellular Vesicle Therapeutics: Challenges, Considerations, and Opportunities. Frontiers in Cell and Developmental Biology, 2021, 9, 734720.	1.8	75
1832	When Origin Matters: Properties of Mesenchymal Stromal Cells From Different Sources for Clinical Translation in Kidney Disease. Frontiers in Medicine, 2021, 8, 728496.	1.2	14
1833	Schwann cellâ€derived exosomes: Janusâ€faced mediators of regeneration and disease. Glia, 2022, 70, 20-34.	2.5	15
1834	Apoptotic Extracellular Vesicles Ameliorate Multiple Myeloma by Restoring Fas-Mediated Apoptosis. ACS Nano, 2021, 15, 14360-14372.	7.3	47
1835	Stem cellâ€derived exosomes: A supernova in cosmetic dermatology. Journal of Cosmetic Dermatology, 2021, 20, 3812-3817.	0.8	8
1836	Liquid biopsy from research to clinical practice: focus on non-small cell lung cancer. Expert Review of Molecular Diagnostics, 2021, 21, 1165-1178.	1.5	20
1837	Can nanotechnology overcome challenges facing stem cell therapy? A review. Journal of Drug Delivery Science and Technology, 2021, 66, 102883.	1.4	2
1838	The role of the Cer1 transposon in horizontal transfer of transgenerational memory. Cell, 2021, 184, 4697-4712.e18.	13.5	41
1839	Pre-metastatic Niche Formation in Different Organs Induced by Tumor Extracellular Vesicles. Frontiers in Cell and Developmental Biology, 2021, 9, 733627.	1.8	46
1840	Dissecting primary and secondary senescence to enable new senotherapeutic strategies. Ageing Research Reviews, 2021, 70, 101412.	5.0	27
1841	Role of extracellular vesicles in atherosclerosis: An update. Journal of Leukocyte Biology, 2021, 111, 51-62.	1.5	19
1842	Tumor-derived exosomal miR-3157-3p promotes angiogenesis, vascular permeability and metastasis by targeting TIMP/KLF2 in non-small cell lung cancer. Cell Death and Disease, 2021, 12, 840.	2.7	48

#	Article	IF	Citations
1843	Racial Health Disparity and COVID-19. Journal of NeuroImmune Pharmacology, 2021, 16, 729-742.	2.1	7
1844	Tail-vein injection of MSC-derived small extracellular vesicles facilitates the restoration of hippocampal neuronal morphology and function in APP / PS1 mice. Cell Death Discovery, 2021, 7, 230.	2.0	21
1845	RNA Deregulation in Amyotrophic Lateral Sclerosis: The Noncoding Perspective. International Journal of Molecular Sciences, 2021, 22, 10285.	1.8	18
1846	Extracellular Vesicles as Therapeutic Tools for the Treatment of Chronic Wounds. Pharmaceutics, 2021, 13, 1543.	2.0	23
1847	The role and therapeutic potential of exosomes in ischemic stroke. Neurochemistry International, 2021, 151, 105194.	1.9	20
1848	Diverse plasma membrane protrusions act as platforms for extracellular vesicle shedding. Journal of Extracellular Vesicles, 2021, 10, e12148.	5.5	43
1849	Commentary: Cell therapy goes subcellular. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e386-e387.	0.4	1
1850	Roles of Skeletal Muscle-Derived Exosomes in Organ Metabolic and Immunological Communication. Frontiers in Endocrinology, 2021, 12, 697204.	1.5	18
1851	Interaction Between Modern Radiotherapy and Immunotherapy for Metastatic Prostate Cancer. Frontiers in Oncology, 2021, 11, 744679.	1.3	7
1852	Human Umbilical Cord Mesenchymal Stem Cell-Derived Extracellular Vesicles Promote the Proliferation of Schwann Cells by Regulating the PI3K/AKT Signaling Pathway via Transferring miR-21. Stem Cells International, 2021, 2021, 1-11.	1.2	10
1853	Macrophage exosomes transfer angiotensin II type 1 receptor to lung fibroblasts mediating bleomycin-induced pulmonary fibrosis. Chinese Medical Journal, 2021, 134, 2175-2185.	0.9	12
1854	Evidence for a Novel Antiviral Mechanism of Teleost Fish: Serum-Derived Exosomes Inhibit Virus Replication through Incorporating Mx1 Protein. International Journal of Molecular Sciences, 2021, 22, 10346.	1.8	9
1855	Therapeutic Potential of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in the Prevention of Organ Injuries Induced by Traumatic Hemorrhagic Shock. Frontiers in Immunology, 2021, 12, 749659.	2.2	10
1856	Extracellular vesicles: Major actors of heterogeneity in tau spreading among human tauopathies. Molecular Therapy, 2022, 30, 782-797.	3.7	17
1857	Identifying extracellular vesicle populations from single cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	38
1858	A nanounit strategy reverses immune suppression of exosomal PD-L1 and is associated with enhanced ferroptosis. Nature Communications, 2021, 12, 5733.	5.8	95
1859	Determining The Role of Surface Glycans in The Pharmacokinetics of Small Extracellular Vesicles. Journal of Pharmaceutical Sciences, 2021, 110, 3261-3267.	1.6	11
1860	Nanotubeâ€like processes facilitate material transfer between photoreceptors. EMBO Reports, 2021, 22, e53732.	2.0	42

#	Article	IF	Citations
1861	Genetically Engineered Cellular Membrane Vesicles as Tailorable Shells for Therapeutics. Advanced Science, 2021, 8, e2100460.	5.6	34
1862	The biology, function, and applications of exosomes in cancer. Acta Pharmaceutica Sinica B, 2021, 11, 2783-2797.	5.7	209
1863	Mussel-inspired functionalization of electrospun scaffolds with polydopamine-assisted immobilization of mesenchymal stem cells-derived small extracellular vesicles for enhanced bone regeneration. International Journal of Pharmaceutics, 2021, 609, 121136.	2.6	9
1864	Bardet-Biedl syndrome proteins modulate the release of bioactive extracellular vesicles. Nature Communications, 2021, 12, 5671.	5.8	23
1865	Exosome-mediated transfer of MIF confers temozolomide resistance by regulating TIMP3/PI3K/AKT axis in gliomas. Molecular Therapy - Oncolytics, 2021, 22, 114-128.	2.0	24
1866	Cancer Cell Fusion and Post-Hybrid Selection Process (PHSP). Cancers, 2021, 13, 4636.	1.7	12
1867	Sensory cilia act as a specialized venue for regulated extracellular vesicle biogenesis and signaling. Current Biology, 2021, 31, 3943-3951.e3.	1.8	41
1868	Effect of Human Periodontal Ligament Stem Cell-Derived Extracellular Vesicles on Macrophage Pyroptosis and Periodontal Inflammatory Injury in Periodontitis. Cells Tissues Organs, 2022, 211, 57-72.	1.3	9
1869	Hybrid Formation and Fusion of Cancer Cells In Vitro and In Vivo. Cancers, 2021, 13, 4496.	1.7	18
1870	Pancreatic Cancer Small Extracellular Vesicles (Exosomes): A Tale of Short- and Long-Distance Communication. Cancers, 2021, 13, 4844.	1.7	15
1871	Delivery of Oligonucleotide Therapeutics: Chemical Modifications, Lipid Nanoparticles, and Extracellular Vesicles. ACS Nano, 2021, 15, 13993-14021.	7.3	74
1872	Extracellular heat shock proteins in cancer: From early diagnosis to new therapeutic approach. Seminars in Cancer Biology, 2022, 86, 36-45.	4.3	14
1873	Zebrafish as a preclinical model for Extracellular Vesicle-based therapeutic development. Advanced Drug Delivery Reviews, 2021, 176, 113815.	6.6	12
1874	Presence of distinctive microbiome in the first-pass meconium of newborn infants. Scientific Reports, 2021, 11, 19449.	1.6	14
1875	Protein biomarkers in breast cancer-derived extracellular vesicles for use in liquid biopsies. American Journal of Physiology - Cell Physiology, 2021, 321, C779-C797.	2.1	18
1876	Secret messengers: Extracellular RNA communication in the immune system*. Immunological Reviews, 2021, 304, 62-76.	2.8	12
1877	Extracellular vesicle-based interorgan transport of mitochondria from energetically stressed adipocytes. Cell Metabolism, 2021, 33, 1853-1868.e11.	7.2	165
1878	The Need for New Biomarkers to Assist with Stroke Prevention and Prediction of Post-Stroke Therapy Based on Plasma-Derived Extracellular Vesicles. Biomedicines, 2021, 9, 1226.	1.4	13

#	Article	IF	Citations
1879	Cyclic Hypoxia Conditioning Alters the Content of Myoblast-Derived Extracellular Vesicles and Enhances Their Cell-Protective Functions. Biomedicines, 2021, 9, 1211.	1.4	4
1880	RASSF1C oncogene elicits amoeboid invasion, cancer stemness, and extracellular vesicle release via a SRC/Rho axis. EMBO Journal, 2021, 40, e107680.	3.5	12
1881	Extracellular Vesicles in Reprogramming of the Ewing Sarcoma Tumor Microenvironment. Frontiers in Cell and Developmental Biology, 2021, 9, 726205.	1.8	7
1882	Immunomodulatory Properties of Umbilical Cord Blood-Derived Small Extracellular Vesicles and Their Therapeutic Potential for Inflammatory Skin Disorders. International Journal of Molecular Sciences, 2021, 22, 9797.	1.8	9
1883	Human Cytomegalovirus Infection Changes the Pattern of Surface Markers of Small Extracellular Vesicles Isolated From First Trimester Placental Long-Term Histocultures. Frontiers in Cell and Developmental Biology, 2021, 9, 689122.	1.8	7
1884	Points of View on the Tools for Genome/Gene Editing. International Journal of Molecular Sciences, 2021, 22, 9872.	1.8	10
1886	Tissue-specific parameters for the design of ECM-mimetic biomaterials. Acta Biomaterialia, 2021, 132, 83-102.	4.1	33
1887	Extracellular Vesicles: Emerging Therapeutics in Cutaneous Lesions. International Journal of Nanomedicine, 2021, Volume 16, 6183-6202.	3.3	12
1888	Landscape of extracellular vesicles in the tumour microenvironment: Interactions with stromal cells and with non-cell components, and impacts on metabolic reprogramming, horizontal transfer of neoplastic traits, and the emergence of therapeutic resistance. Seminars in Cancer Biology, 2021, 74, 24-44.	4.3	34
1889	tiRNA signaling via stress-regulated vesicle transfer in the hematopoietic niche. Cell Stem Cell, 2021, 28, 2090-2103.e9.	5.2	20
1890	In Vivo Characterization of Endogenous Cardiovascular Extracellular Vesicles in Larval and Adult Zebrafish. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2454-2468.	1.1	19
1891	Stress increases in exopher-mediated neuronal extrusion require lipid biosynthesis, FGF, and EGF RAS/MAPK signaling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
1892	Low-Power Sonication Can Alter Extracellular Vesicle Size and Properties. Cells, 2021, 10, 2413.	1.8	25
1893	Adherence to minimal experimental requirements for defining extracellular vesicles and their functions. Advanced Drug Delivery Reviews, 2021, 176, 113872.	6.6	39
1894	Inflammation in Asthma Pathogenesis: Role of T Cells, Macrophages, Epithelial Cells and Type 2 Inflammation. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2021, 20, 317-332.	1.1	12
1895	Burn Injury Induces Proinflammatory Plasma Extracellular Vesicles That Associate with Length of Hospital Stay in Women: CRP and SAA1 as Potential Prognostic Indicators. International Journal of Molecular Sciences, 2021, 22, 10083.	1.8	9
1896	Hypoxic Stem Cell-Derived Extracellular Vesicles for Cardiac Repair in Preclinical Animal Models of Myocardial Infarction: A Meta-Analysis. Stem Cells and Development, 2021, 30, 891-907.	1.1	7
1897	Membrane trafficking: Retrofusion as an escape route out of the endosome. Current Biology, 2021, 31, R1037-R1040.	1.8	5

#	Article	IF	Citations
1898	TNF-Î±-stimulated nucleus pulposus cells induce cell apoptosis through the release of exosomal miR-16 targeting IGF-1 and IGF-1R in rats. Annals of Translational Medicine, 2021, 9, 1376-1376.	0.7	9
1899	Small extracellular vesicle non-coding RNAs in pancreatic cancer: molecular mechanisms and clinical implications. Journal of Hematology and Oncology, 2021, 14, 141.	6.9	36
1900	Surface enhanced Raman spectroscopyâ€based immunoassay detection of tumorâ€derived extracellular vesicles to differentiate pancreatic cancers from chronic pancreatitis. Journal of Raman Spectroscopy, 2021, 52, 1810-1819.	1.2	8
1901	Role of peroxiredoxin 6 in the chondroprotective effects of microvesicles from human adipose tissue-derived mesenchymal stem cells. Journal of Orthopaedic Translation, 2021, 30, 61-69.	1.9	19
1902	The Role of Extracellular Vesicles from Human Macrophages on Host-Pathogen Interaction. International Journal of Molecular Sciences, 2021, 22, 10262.	1.8	8
1903	Tumor necrosis factor receptorâ€1 is selectively sequestered into Schwann cell extracellular vesicles where it functions as a <scp>TNFÎ±</scp> decoy. Glia, 2022, 70, 256-272.	2.5	7
1904	Application of Extracellular Vesicles in Aquatic Animals: A Review of the Latest Decade. Reviews in Fisheries Science and Aquaculture, 2022, 30, 447-466.	5.1	4
1905	Immunostimulatory Potential of Extracellular Vesicles Isolated from an Edible Plant, Petasites japonicus, via the Induction of Murine Dendritic Cell Maturation. International Journal of Molecular Sciences, 2021, 22, 10634.	1.8	21
1906	A new insight into the cellular mechanisms of envenomation: Elucidating the role of extracellular vesicles in Loxoscelism. Toxicology Letters, 2021, 350, 202-212.	0.4	2
1907	Time-gated Raman spectroscopy and proteomics analyses of hypoxic and normoxic renal carcinoma extracellular vesicles. Scientific Reports, 2021, 11, 19594.	1.6	16
1908	The crosstalk between brain and periphery: Implications for brain health and disease. Neuropharmacology, 2021, 197, 108728.	2.0	17
1909	Microvesicles transfer mitochondria and increase mitochondrial function in brain endothelial cells. Journal of Controlled Release, 2021, 338, 505-526.	4.8	65
1910	Can extracellular vesicles produced during infection by Trypanosoma cruzi function as damage-associated molecular patterns in the host?. Medical Hypotheses, 2021, 155, 110667.	0.8	1
1911	Engineering bionanoparticles for improved biosensing and bioimaging. Current Opinion in Biotechnology, 2021, 71, 41-48.	3.3	14
1912	Determination of miRNA derived from exosomes of prostate cancer via toehold-aided cyclic amplification combined with HRP enzyme catalysis and magnetic nanoparticles. Analytical Biochemistry, 2021, 630, 114336.	1.1	11
1913	Perspectives and challenges in extracellular vesicles untargeted metabolomics analysis. TrAC - Trends in Analytical Chemistry, 2021, 143, 116382.	5.8	24
1914	Bioactive Scaffolds Integrated with Liposomal or Extracellular Vesicles for Bone Regeneration. Bioengineering, 2021, 8, 137.	1.6	30
1915	Cancer-associated fibroblasts induce monocytic myeloid-derived suppressor cell generation via IL-6/exosomal miR-21-activated STAT3 signaling to promote cisplatin resistance in esophageal squamous cell carcinoma. Cancer Letters, 2021, 518, 35-48.	3.2	76

#	Article	IF	Citations
1916	The role and therapeutic potential of MSC-derived exosomes in osteoarthritis. Archives of Biochemistry and Biophysics, 2021, 710, 109002.	1.4	35
1917	Engineered extracellular vesicles as brain therapeutics. Journal of Controlled Release, 2021, 338, 472-485.	4.8	25
1918	The role of Extracellular Vesicles during CNS development. Progress in Neurobiology, 2021, 205, 102124.	2.8	26
1919	The therapeutic triad of extracellular vesicles: As drug targets, as drugs, and as drug carriers. Biochemical Pharmacology, 2021, 192, 114714.	2.0	17
1920	Analysis of extracellular vesicles as a potential index for monitoring differentiation of neural lineage cells from induced pluripotent stem cells. Journal of Bioscience and Bioengineering, 2021, 132, 381-389.	1.1	3
1921	Extracellular Vesicle Proteomes Shed Light on the Evolutionary, Interactive, and Functional Divergence of Their Biogenesis Mechanisms. Frontiers in Cell and Developmental Biology, 2021, 9, 734950.	1.8	7
1922	Exosomes in the Tumor Microenvironment: From Biology to Clinical Applications. Cells, 2021, 10, 2617.	1.8	33
1923	Ectosome biogenesis and release processes observed by using live-cell dynamic imaging in mammalian glial cells. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4604-4616.	1.1	11
1924	Dosing extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 178, 113961.	6.6	134
1925	Detection of exosomes via an electrochemical biosensor based on C60-Au-Tb composite. Microchemical Journal, 2021, 170, 106772.	2.3	13
1926	Traditional herbal medicine and nanomedicine: Converging disciplines to improve therapeutic efficacy and human health. Advanced Drug Delivery Reviews, 2021, 178, 113964.	6.6	71
1927	Brain-derived extracellular vesicles mediated coagulopathy, inflammation and apoptosis after sepsis. Thrombosis Research, 2021, 207, 85-95.	0.8	12
1928	Increased concentrations of myeloperoxidase in serum and serum extracellular vesicles are associated with type 2 diabetes mellitus. Clinica Chimica Acta, 2021, 522, 70-76.	0.5	6
1929	Extracellular vesicles in acute respiratory distress syndrome: Recent developments from bench to bedside. International Immunopharmacology, 2021, 100, 108118.	1.7	7
1930	The microglial lysosomal system in Alzheimerâ€™s disease: Guardian against proteinopathy. Ageing Research Reviews, 2021, 71, 101444.	5.0	16
1931	Calibration-free analysis of surface proteins on single extracellular vesicles enabled by DNA nanostructure. Biosensors and Bioelectronics, 2021, 192, 113502.	5.3	18
1932	Estrogen inhibits the growth of colon cancer in mice through reversing extracellular vesicle-mediated immunosuppressive tumor microenvironment. Cancer Letters, 2021, 520, 332-343.	3.2	9
1933	Exosomal long non-coding RNAs: Emerging players in cancer metastasis and potential diagnostic biomarkers for personalized oncology. Genes and Diseases, 2021, 8, 769-780.	1.5	27

#	Article	IF	Citations
1934	Recent technical advances to study metabolomics of extracellular vesicles. Microchemical Journal, 2021, 171, 106816.	2.3	12
1935	Efficacy of the therapy of 5-aminolevulinic acid photodynamic therapy combined with human umbilical cord mesenchymal stem cells on methicillin-resistant Staphylococcus aureus-infected wound in a diabetic mouse model. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102480.	1.3	14
1936	Characterising Alzheimer's disease through integrative NMR- and LC-MS-based metabolomics. Metabolism Open, 2021, 12, 100125.	1.4	19
1937	Delivery of therapeutic oligonucleotides in nanoscale. Bioactive Materials, 2022, 7, 292-323.	8.6	29
1938	Amniotic stem cells and their exosomes. , 2022, , 169-188.		0
1939	Regenerative potential of stem-cell-derived extracellular vesicles. , 2022, , 189-199.		1
1940	Extracellular vesicles in tumor immunotherapy. , 2022, , 231-256.		0
1941	Exosomal circRNAs as novel cancer biomarkers: Challenges and opportunities. International Journal of Biological Sciences, 2021, 17, 562-573.	2.6	36
1942	Isolation and characterization of extracellular vesicles in saliva of children with asthma. , 2021, 2, 29-48.		11
1943	MOFs and Biomacromolecules for Biomedical Applications. , 2021, , 379-432.		0
1945	RANKL and RANK in extracellular vesicles: surprising new players in bone remodeling. , 2021, 2, 18-28.		11
1946	Treatment with platelet- and extracellular vesicle-rich plasma in otorhinolaryngology-a review and future perspectives. Advances in Biomembranes and Lipid Self-Assembly, 2021, , 119-153.	0.3	4
1947	Regulation of exosome production and cargo sorting. International Journal of Biological Sciences, 2021, 17, 163-177.	2.6	179
1948	Covalently Labeled Fluorescent Exosomes for In Vitro and In Vivo Applications. Biomedicines, 2021, 9, 81.	1.4	15
1949	A Protocol for Isolation, Purification, Characterization, and Functional Dissection of Exosomes. Methods in Molecular Biology, 2021, 2261, 105-149.	0.4	33
1950	Extracellular vesicle-encapsulated microRNA-424 exerts inhibitory function in ovarian cancer by targeting MYB. Journal of Translational Medicine, 2021, 19, 4.	1.8	21
1951	An Immunocapture-Based Assay for Detecting Multiple Antigens in Melanoma-Derived Extracellular Vesicles. Methods in Molecular Biology, 2021, 2265, 323-344.	0.4	9
1952	Therapeutic reversal of Huntingtonâ€™s disease by in vivo self-assembled siRNAs. Brain, 2021, 144, 3421-3435.	3.7	36

#	Article	IF	Citations
1953	Exosome Imaging. , 2021, , 943-952.		0
1954	The versatile role of exosomes in human retroviral infections: from immunopathogenesis to clinical application. Cell and Bioscience, 2021, 11, 19.	2.1	61
1955	Improvement of sensory neuron growth and survival via negatively regulating PTEN by miR-21-5p-contained small extracellular vesicles from skin precursor-derived Schwann cells. Stem Cell Research and Therapy, 2021, 12, 80.	2.4	32
1956	Spectroscopic profiling variations in extracellular vesicle biochemistry in a model of myogenesis. Journal of Tissue Engineering, 2021, 12, 204173142110220.	2.3	3
1957	Tissue Distribution of Exosomes and Other Extracellular Vesicles. Oleoscience, 2021, 21, 55-61.	0.0	0
1958	Evaluation of Extracellular Vesicles from Adipose Tissue-Derived Mesenchymal Stem Cells in Primary Human Chondrocytes from Patients with Osteoarthritis. Methods in Molecular Biology, 2021, 2269, 221-231.	0.4	3
1959	A Reductionist Approach Using Primary and Metastatic Cellâ€“Derived Extracellular Vesicles Reveals Hub Proteins Associated with Oral Cancer Prognosis. Molecular and Cellular Proteomics, 2021, 20, 100118.	2.5	12
1960	Risk Factors and Biomarkers for Chronic Hepatitis B Associated Hepatocellular Carcinoma. International Journal of Molecular Sciences, 2021, 22, 479.	1.8	15
1961	Research on nanoparticles in human perfused placenta: State of the art and perspectives. Placenta, 2021, 104, 199-207.	0.7	25
1962	Exosomal mRNAs and lncRNAs involved in multiple myeloma resistance to bortezomib. Cell Biology International, 2021, 45, 965-975.	1.4	11
1963	ExoCAS-2: Rapid and Pure Isolation of Exosomes by Anionic Exchange Using Magnetic Beads. Biomedicines, 2021, 9, 28.	1.4	26
1964	Exploiting Microfluidics for Extracellular Vesicle Isolation and Characterization: Potential Use for Standardized Embryo Quality Assessment. Frontiers in Veterinary Science, 2020, 7, 620809.	0.9	26
1965	Extracellular Vesicles from Airway Secretions: New Insights in Lung Diseases. International Journal of Molecular Sciences, 2021, 22, 583.	1.8	26
1966	Nanoscale flow cytometry for immunophenotyping and quantitating extracellular vesicles in blood plasma. Nanoscale, 2021, 13, 2012-2025.	2.8	21
1967	Ral GTPases promote breast cancer metastasis by controlling biogenesis and organ targeting of exosomes. ELife, 2021, 10, .	2.8	70
1968	Microfluidicâ€Based Exosome Analysis for Liquid Biopsy. Small Methods, 2021, 5, e2001131.	4.6	81
1969	Microfluidic-based capture and release of cancer-derived exosomes via peptideâ€“nanowire hybrid interface. Lab on A Chip, 2021, 21, 597-607.	3.1	56
1970	Circulating Biomarkers for Glioma: A Review. Neurosurgery, 2021, 88, E221-E230.	0.6	45

#	Article	IF	Citations
1971	Effect of APOE Îµ4 allele on levels of apolipoproteins E, J, and D, and redox signature in circulating extracellular vesicles from cognitively impaired with no dementia participants converted to Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12231.	1.2	4
1972	Exosome-mediated cellular crosstalk within the tumor microenvironment upon irradiation. Cancer Biology and Medicine, 2021, 18, 21-33.	1.4	25
1973	Engineered Tools to Study Intercellular Communication. Advanced Science, 2021, 8, 2002825.	5.6	39
1974	Isolation and Characterization of Extracellular Vesicles from Cell Culture Conditioned Medium for Immunological Studies. Current Protocols in Immunology, 2020, 129, e96.	3.6	8
1975	Comparison of urinary extracellular vesicle isolation methods for transcriptomic biomarker research in diabetic kidney disease. Journal of Extracellular Vesicles, 2020, 10, e12038.	5.5	39
1976	Efficient and reproducible depletion of hepatitis B virus from plasma derived extracellular vesicles. Journal of Extracellular Vesicles, 2020, 10, e12040.	5.5	6
1977	Liquid Biopsy: Application in Early Diagnosis and Monitoring of Cancer. Small Structures, 2020, 1, 2000063.	6.9	19
1978	Delivery of Functional Small RNAs via Extracellular Vesicles In Vitro and In Vivo. Methods in Molecular Biology, 2020, 2115, 107-117.	0.4	22
1979	Roles of the Choroid Plexus in Aging. Physiology in Health and Disease, 2020, , 209-232.	0.2	7
1980	Techniques Associated with Exosome Isolation for Biomarker Development: Liquid Biopsies for Ovarian Cancer Detection. Methods in Molecular Biology, 2020, 2055, 181-199.	0.4	10
1981	Heparanase Involvement in Exosome Formation. Advances in Experimental Medicine and Biology, 2020, 1221, 285-307.	0.8	14
1982	Exosomes and Supported Lipid Layers as Advanced Naturally Derived Drug Delivery Systems. , 2021, , 361-373.		1
1983	Characterization and Fine Structure of Exosomes. , 2021, , 27-75.		2
1984	Tau Secretion. Advances in Experimental Medicine and Biology, 2019, 1184, 123-134.	0.8	13
1985	Recent Advances in Experimental Models of Breast Cancer Exosome Secretion, Characterization and Function. Journal of Mammary Gland Biology and Neoplasia, 2020, 25, 305-317.	1.0	11
1986	Actin remodeling and vesicular trafficking at the tumor cell side of the immunological synapse direct evasion from cytotoxic lymphocytes. International Review of Cell and Molecular Biology, 2020, 356, 99-130.	1.6	9
1987	Metabolic cell communication within tumour microenvironment: models, methods and perspectives. Current Opinion in Biotechnology, 2020, 63, 210-219.	3.3	7
1988	Archetype JC polyomavirus DNA associated with extracellular vesicles circulates in human plasma samples. Journal of Clinical Virology, 2020, 128, 104435.	1.6	14

#	Article	IF	Citations
1989	Direct comparison of optical and electron microscopy methods for structural characterization of extracellular vesicles. Journal of Structural Biology, 2020, 210, 107474.	1.3	64
1990	The bright and dark side of extracellular vesicles in the senescence-associated secretory phenotype. Mechanisms of Ageing and Development, 2020, 189, 111263.	2.2	49
1991	Hybrid cellular membrane nanovesicles amplify macrophage immune responses against cancer recurrence and metastasis. Nature Communications, 2020, 11, 4909.	5.8	199
1992	MicroRNAs as sentinels and protagonists of carotid artery thromboembolism. Clinical Science, 2020, 134, 169-192.	1.8	15
1993	Vascular toxicity associated with anti-angiogenic drugs. Clinical Science, 2020, 134, 2503-2520.	1.8	33
1994	Potential role of extracellular vesicles in the pathophysiology of glomerular diseases. Clinical Science, 2020, 134, 2741-2754.	1.8	6
1995	The EVâ€TRACK summary addâ€on: integration of experimental information in databases to ensure comprehensive interpretation of biological knowledge on extracellular vesicles. Journal of Extracellular Vesicles, 2020, 9, 1699367.	5.5	25
1996	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. Journal of Experimental Medicine, 2021, 218, .	4.2	29
1997	Nanoelectrical characterization of individual exosomes secreted by AÎ²42-ingested cells using electrostatic force microscopy. Nanotechnology, 2021, 32, 025705.	1.3	7
1998	A Systematic Review on Extracellular Vesicles-Enriched Fat Grafting: A Shifting Paradigm. Aesthetic Surgery Journal, 2021, 41, NP1695-NP1705.	0.9	6
2031	Extracellular Vesicleâ€“Mediated Delivery of Circular RNA SCMH1 Promotes Functional Recovery in Rodent and Nonhuman Primate Ischemic Stroke Models. Circulation, 2020, 142, 556-574.	1.6	198
2032	Syndecan-1 promotes lung fibrosis by regulating epithelial reprogramming through extracellular vesicles. JCI Insight, 2019, 4, .	2.3	50
2033	Erythrocyte-derived microvesicles induce arterial spasms in JAK2V617F myeloproliferative neoplasm. Journal of Clinical Investigation, 2020, 130, 2630-2643.	3.9	42
2034	Oligodendrocytes support axonal transport and maintenance via exosome secretion. PLoS Biology, 2020, 18, e3000621.	2.6	85
2035	Analysis of RNA yield in extracellular vesicles isolated by membrane affinity column and differential ultracentrifugation. PLoS ONE, 2020, 15, e0238545.	1.1	21
2036	Circulating blood extracellular vesicles as a tool to assess endothelial injury and chemotherapy toxicity in adjuvant cancer patients. PLoS ONE, 2020, 15, e0240994.	1.1	10
2037	Differential plasma exosomal long non-coding RNAs expression profiles and their emerging role in E-cigarette users, cigarette, waterpipe, and dual smokers. PLoS ONE, 2020, 15, e0243065.	1.1	17
2038	Epstein-Barr virus LMP1 manipulates the content and functions of extracellular vesicles to enhance metastatic potential of recipient cells. PLoS Pathogens, 2020, 16, e1009023.	2.1	12

#	Article	IF	Citations
2039	Might proton pump or sodiumâ€hydrogen exchanger inhibitors be of value to ameliorate SARsâ€CoVâ€2 pathophysiology?. Physiological Reports, 2021, 8, e14649.	0.7	9
2040	The role of exosome lipids in central nervous system diseases. Reviews in the Neurosciences, 2020, 31, 743-756.	1.4	12
2041	Extracellular vesicles in biological fluids. A biomarker of exposure to cigarette smoke and treatment with chemopreventive drugs. Journal of Preventive Medicine and Hygiene, 2019, 60, E327-E336.	0.9	7
2042	Hollow Alginate-Poly-L-Lysine-Alginate Microspheres Promoted an Epithelial-Mesenchymal Transition in Human Colon Adenocarcinoma Cells. Advanced Pharmaceutical Bulletin, 2020, 10, 141-145.	0.6	3
2043	Glutamine deprivation alters the origin and function of cancer cell exosomes. EMBO Journal, 2020, 39, e103009.	3.5	64
2044	MicroRNA Profile of Exosomes and Parental Cells is Differently Affected by Ionizing Radiation. Radiation Research, 2020, 194, 133.	0.7	20
2045	Investigation of the Cytotoxicity of Fig, Lemon, Olive, and Turnip Exosomes on MCF-7 Cells. KahramanmaraÅŸ SÃ¼tÃ§Ã¼ Ä°mam Ãœniversitesi TarÄ±m Ve DoÄŸa Dergisi, 0, 22, 382-387.	0.2	3
2047	LncRNA PVT1 promotes exosome secretion through YKT6, RAB7, and VAMP3 in pancreatic cancer. Aging, 2020, 12, 10427-10440.	1.4	48
2048	Gonadal white adipose tissue-derived exosomal MiR-222 promotes obesity-associated insulin resistance. Aging, 2020, 12, 22719-22743.	1.4	28
2049	Circulating mediators of remote ischemic preconditioning: search for the missing link between non-lethal ischemia and cardioprotection. Oncotarget, 2019, 10, 216-244.	0.8	37
2050	Extracellular RNAs as potential biomarkers for cancer. Journal of Cancer Metastasis and Treatment, 2020, 2020, .	0.5	15
2051	The role of exosomal long non-coding RNAs in cancer drug resistance. , 2019, 2, 1178-1192.		25
2052	Gut microbiota: a new player in regulating immune- and chemo-therapy efficacy. , 2020, 3, 356-370.		15
2053	Effect of Bacteriophages and Gentamycine on Morphology and Vesicle Formation of Bacteria Yersinia pestis EV. Problemy Osobo Opasnykh Infektsii, 2019, , 50-54.	0.2	2
2054	Intrafollicular barriers and cellular interactions during ovarian follicle development. Animal Reproduction, 2019, 16, 485-496.	0.4	20
2055	Proteomics-Based Characterization of the Effects of MMP14 on the Protein Content of Exosomes from Corneal Fibroblasts. Protein and Peptide Letters, 2020, 27, 979-988.	0.4	3
2056	The Emerging Roles of Exosomes in the Chemoresistance of Hepatocellular Carcinoma. Current Medicinal Chemistry, 2020, 28, 93-109.	1.2	23
2057	Extracellular Vesicles as Drug Delivery Systems - Methods of Production and Potential Therapeutic Applications. Current Pharmaceutical Design, 2019, 25, 132-154.	0.9	42

#	Article	IF	Citations
2058	Intercellular Crosstalk Via Extracellular Vesicles in Tumor Milieu as Emerging Therapies for Cancer Progression. Current Pharmaceutical Design, 2019, 25, 1980-2006.	0.9	11
2059	Exosomes and Female Infertility. Current Drug Metabolism, 2019, 20, 773-780.	0.7	13
2060	Exosomes in Therapy: Engineering, Pharmacokinetics and Future Applications. Current Drug Targets, 2018, 20, 87-95.	1.0	34
2061	Engineering of Exosomes: Steps Towards Green Production of Drug Delivery System. Current Drug Targets, 2019, 20, 1537-1549.	1.0	21
2062	Rapid Nickel-based Isolation of Extracellular Vesicles from Different Biological Fluids. Bio-protocol, 2020, 10, e3512.	0.2	7
2063	Extracellular Vesicles Tracking and Quantification Using CT and Optical Imaging in Rats. Bio-protocol, 2020, 10, e3635.	0.2	5
2064	Circulating RNA in blood plasma as diagnostic tool for clinical oncology. Bulletin of Russian State Medical University, 2020, , 5-10.	0.3	1
2065	Myocardial infarction affects Cx43 content of extracellular vesicles secreted by cardiomyocytes. Life Science Alliance, 2020, 3, e202000821.	1.3	26
2066	Extracellular Vesicles in Regenerative Medicine, a Brief Review. Modern Medical Laboratory Journal, 2018, 2, 118-126.	0.2	4
2067	Engineering Targeting Materials for Therapeutic Cancer Vaccines. Frontiers in Bioengineering and Biotechnology, 2020, 8, 19.	2.0	23
2068	The Role and Impact of Extracellular Vesicles in the Modulation and Delivery of Cytokines during Autoimmunity. International Journal of Molecular Sciences, 2020, 21, 7096.	1.8	18
2069	Extracellular Vesicles from Red Blood Cells and Their Evolving Roles in Health, Coagulopathy and Therapy. International Journal of Molecular Sciences, 2021, 22, 153.	1.8	77
2070	Novel Therapeutic Delivery of Nanocurcumin in Central Nervous System Related Disorders. Nanomaterials, 2021, 11, 2.	1.9	39
2071	Exosomes as Drug Delivery Systems: Endogenous Nanovehicles for Treatment of Systemic Lupus Erythematosus. Pharmaceutics, 2021, 13, 3.	2.0	46
2072	Effects of Chronic Kidney Disease and Uremic Toxins on Extracellular Vesicle Biology. Toxins, 2020, 12, 811.	1.5	11
2073	The Role of Extracellular Vesicles as Allies of HIV, HCV and SARS Viruses. Viruses, 2020, 12, 571.	1.5	35
2074	Extracellular Vesicles Biology and its Emerging Role in Osteoarthritis and Related Arthritides. , 2019, 09, .		1
2075	Exosomal circular RNA sorting mechanisms and their function in promoting or inhibiting cancer (Review). Oncology Letters, 2020, 19, 3369-3380.	0.8	30

#	Article	IF	Citations
2076	Next generation sequencingâ€'based analysis of mitochondrial DNA characteristics in plasma extracellular vesicles of patients with hepatocellular carcinoma. Oncology Letters, 2020, 20, 2820-2828.	0.8	19
2077	Reduced expression of exosomal miRâ€'29s in peritoneal fluid is a useful predictor of peritoneal recurrence after curative resection of gastric cancer with serosal involvement. Oncology Reports, 2020, 43, 1081-1088.	1.2	20
2078	Mesenchymal stem cells secretome: The cornerstone of cell-free regenerative medicine. World Journal of Stem Cells, 2020, 12, 1529-1552.	1.3	72
2079	On the Interplay of Extracellular Vesicles and Viral Infections. Trillium Extracellular Vesicles, 2020, 2, 14-27.	0.1	2
2080	Mesenchymal Cell-Derived Exosomes as Novel Useful Candidates for Drug Delivery. Archives of Neuroscience, 2020, 7, .	0.1	11
2081	Proinflammatory macrophage-derived microvesicles exhibit tumor tropism dependent on CCL2/CCR2 signaling axis and promote drug delivery via SNARE-mediated membrane fusion. Theranostics, 2020, 10, 6581-6598.	4.6	34
2082	Genome-wide interrogation of extracellular vesicle biology using barcoded miRNAs. ELife, 2018, 7, .	2.8	27
2083	Cocaine-induced endocannabinoid signaling mediated by sigma-1 receptors and extracellular vesicle secretion. ELife, 2019, 8, .	2.8	36
2084	Native adiponectin in serum binds to mammalian cells expressing T-cadherin, but not AdipoRs or calreticulin. ELife, 2019, 8, .	2.8	34
2085	Exosomal cargoes in OSCC: current findings and potential functions. PeerJ, 2020, 8, e10062.	0.9	16
2086	Engineering of HN3 increases the tumor targeting specificity of exosomes and upgrade the anti-tumor effect of sorafenib on HuH-7 cells. PeerJ, 2020, 8, e9524.	0.9	6
2087	Extracellular Vesicle-Mediated Secretion of HLA-E by Trophoblasts Maintains Pregnancy by Regulating the Metabolism of Decidual NK Cells. International Journal of Biological Sciences, 2021, 17, 4377-4395.	2.6	18
2088	Diagnostic and Therapeutic Potential of Extracellular Vesicles. Technology in Cancer Research and Treatment, 2021, 20, 153303382110412.	0.8	26
2089	Blood cell-derived extracellular vesicles: diagnostic biomarkers and smart delivery systems. Bioengineered, 2021, 12, 7929-7940.	1.4	20
2090	Therapeutic perspectives of extracellular vesicles and extracellular microRNAs in atherosclerosis. Current Topics in Membranes, 2021, 87, 255-277.	0.5	5
2091	Tip-enhanced infrared nanospectroscopy of microvesiscles. , 2021, , .		0
2092	Exosomes: Emerging implementation of nanotechnology for detecting and managing novel corona virus- SARS-CoV-2. Asian Journal of Pharmaceutical Sciences, 2022, 17, 20-34.	4.3	10
2093	Blood derived extracellular vesicles as regenerative medicine therapeutics. Biochimie, 2022, 196, 203-215.	1.3	2

#	Article	IF	Citations
2094	Chip-Based Sensing of the Intercellular Transfer of Cell Surface Proteins: Regulation by the Metabolic State. Biomedicines, 2021, 9, 1452.	1.4	4
2095	Extra-cellular vesicles of the male genital tract: new actors in male fertility?. Basic and Clinical Andrology, 2021, 31, 25.	0.8	10
2096	Cholesterol Regulates Exosome Release in Cultured Astrocytes. Frontiers in Immunology, 2021, 12, 722581.	2.2	15
2097	Lung Fibrosis Is Improved by Extracellular Vesicles from IFNÎ³-Primed Mesenchymal Stromal Cells in Murine Systemic Sclerosis. Cells, 2021, 10, 2727.	1.8	12
2098	Characterization of Extracellular Vesicles Labelled with a Lipophilic Dye Using Fluorescence Nanoparticle Tracking Analysis. Membranes, 2021, 11, 779.	1.4	3
2099	MicroRNA in extracellular vesicles regulates inflammation through macrophages under hypoxia. Cell Death Discovery, 2021, 7, 285.	2.0	18
2100	Extracellular Vesicles in Acute Leukemia: A Mesmerizing Journey With a Focus on Transferred microRNAs. Frontiers in Cell and Developmental Biology, 2021, 9, 766371.	1.8	6
2101	Extracellular vesicle interactions with the external and internal exposome in mediating carcinogenesis. Molecular Aspects of Medicine, 2022, 87, 101039.	2.7	6
2102	Current Technologies for RNA-Directed Liquid Diagnostics. Cancers, 2021, 13, 5060.	1.7	14
2103	A possible role of gas-phase electrophoretic mobility molecular analysis (nES GEMMA) in extracellular vesicle research. Analytical and Bioanalytical Chemistry, 2021, 413, 7341-7352.	1.9	2
2104	Exosomes: Potential Player in Endothelial Dysfunction in Cardiovascular Disease. Cardiovascular Toxicology, 2022, 22, 225-235.	1.1	16
2105	Angiogenic Effects and Crosstalk of Adipose-Derived Mesenchymal Stem/Stromal Cells and Their Extracellular Vesicles with Endothelial Cells. International Journal of Molecular Sciences, 2021, 22, 10890.	1.8	38
2106	Extracellular vesicles from methicillin resistant Staphylococcus aureus stimulate proinflammatory cytokine production and trigger IgE-mediated hypersensitivity. Emerging Microbes and Infections, 2021, 10, 2000-2009.	3.0	6
2107	Converting extracellular vesicles into nanomedicine: loading and unloading of cargo. Materials Today Nano, 2021, 16, 100148.	2.3	19
2108	Extracellular Vesicles and HIV-Associated Neurocognitive Disorders: Implications in Neuropathogenesis and Disease Diagnosis. Neurotoxicity Research, 2021, 39, 2098-2107.	1.3	8
2109	lncRNA NORAD is consistently detected in breastmilk exosomes and its expression is downregulated in mothers of preterm infants. International Journal of Molecular Medicine, 2021, 48, .	1.8	8
2110	Epsteinâ€“Barr Virusâ€”Associated Malignancies and Immune Escape: The Role of the Tumor Microenvironment and Tumor Cell Evasion Strategies. Cancers, 2021, 13, 5189.	1.7	29
2111	Gift bags from the sentinel cells of the immune system: The diverse role of dendritic cell-derived extracellular vesicles. Journal of Leukocyte Biology, 2022, 111, 903-920.	1.5	7

#	Article	IF	Citations
2113	A Clinicopathological Study of Cytomegalovirus Lymphadenitis and Tonsillitis and Their Association with Epsteinâ€“Barr Virus. Infectious Diseases and Therapy, 2021, 10, 2661-2675.	1.8	4
2114	Perspectives of bovine and human milk exosomics as health biomarkers for advancing systemic therapeutic potential. Food Biotechnology, 2021, 35, 273-309.	0.6	1
2115	Mesenchymal Stem Cell-derived Extracellular Vesicles Transmitting MicroRNA-34a-5p Suppress Tumorigenesis of Colorectal Cancer Through c-MYC/DNMT3a/PTEN Axis. Molecular Neurobiology, 2022, 59, 47-60.	1.9	16
2116	Can Soluble Immune Checkpoint Molecules on Exosomes Mediate Inflammation?. Journal of NeuroImmune Pharmacology, 2021, , 1.	2.1	2
2117	The Dynamic Interactions between Nanoparticles and Macrophages Impact Their Fate in Brain Tumors. Small, 2021, 17, e2103600.	5.2	9
2118	Extracellular Vesicles Regulated by Viruses and Antiviral Strategies. Frontiers in Cell and Developmental Biology, 2021, 9, 722020.	1.8	15
2119	Macrophage-derived, LRG1-enriched extracellular vesicles exacerbate aristolochic acid nephropathy in a TGFÎ²R1-dependent manner. Cell Biology and Toxicology, 2022, 38, 629-648.	2.4	11
2120	Cell trafficking and regulation of osteoblastogenesis by extracellular vesicle associated bone morphogenetic protein 2. Journal of Extracellular Vesicles, 2021, 10, e12155.	5.5	16
2121	Effects of Tumor-Derived Exosome Programmed Death Ligand 1 on Tumor Immunity and Clinical Applications. Frontiers in Cell and Developmental Biology, 2021, 9, 760211.	1.8	9
2122	Modulation of Cardiac Arrhythmogenesis by Epicardial Adipose Tissue. Journal of the American College of Cardiology, 2021, 78, 1730-1745.	1.2	52
2123	Roles of Microvesicles in Tumor Progression and Clinical Applications. International Journal of Nanomedicine, 2021, Volume 16, 7071-7090.	3.3	30
2124	Advances and Utility of the Human Plasma Proteome. Journal of Proteome Research, 2021, 20, 5241-5263.	1.8	86
2125	Selective Encapsulation of Therapeutic mRNA in Engineered Extracellular Vesicles by DNA Aptamer. Nano Letters, 2021, 21, 8563-8570.	4.5	24
2126	Rolling Circle Amplification-Assisted Flow Cytometry Approach for Simultaneous Profiling of Exosomal Surface Proteins. ACS Sensors, 2021, 6, 3611-3620.	4.0	31
2127	pH-Controlled Stereoregular Polymerization of Poly(methyl methacrylate) in Vesicle Membranes. Langmuir, 2021, 37, 12746-12752.	1.6	1
2128	Development of a Bone-Mimetic 3D Printed Ti6Al4V Scaffold to Enhance Osteoblast-Derived Extracellular Vesiclesâ€™ Therapeutic Efficacy for Bone Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 757220.	2.0	15
2129	Mechanisms of Action of MiRNAs and LncRNAs in Extracellular Vesicle in Atherosclerosis. Frontiers in Cardiovascular Medicine, 2021, 8, 733985.	1.1	21
2130	Liquid biopsy approach to pancreatic cancer. World Journal of Gastrointestinal Oncology, 2021, 13, 1263-1287.	0.8	7

#	Article	IF	Citations
2131	Contributing to Understand the Crosstalk between Brain and Periphery in Methylmercury Intoxication: Neurotoxicity and Extracellular Vesicles. International Journal of Molecular Sciences, 2021, 22, 10855.	1.8	5
2132	Exosomes: Emerging Cell-Free Based Therapeutics in Dermatologic Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 736022.	1.8	12
2133	Diabetes complications and extracellular vesicle therapy. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 357-385.	2.6	8
2134	Latest Advances in Endothelial Progenitor Cell-Derived Extracellular Vesicles Translation to the Clinic. Frontiers in Cardiovascular Medicine, 2021, 8, 734562.	1.1	16
2135	Biomembraneâ€Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. Advanced Materials, 2022, 34, e2107177.	11.1	41
2136	Proteomic Landscape of Extracellular Vesicles for Diffuse Large B-Cell Lymphoma Subtyping. International Journal of Molecular Sciences, 2021, 22, 11004.	1.8	9
2137	Stiffness of Fluid and Gel Phase Lipid Nanovesicles: Weighting the Contributions of Membrane Bending Modulus and Luminal Pressurization. Langmuir, 2021, 37, 12027-12037.	1.6	10
2138	Extracellular vesicles in cardiovascular disease: Biological functions and therapeutic implications. , 2022, 233, 108025.		50
2139	Editorial: Vesicular Trafficking in Cell Communication: New Insights in Physiology and Pathology. Frontiers in Cell and Developmental Biology, 2021, 9, 772306.	1.8	2
2140	An Outer Membrane Vesicleâ€Based Permeation Assay (OMPA) for Assessing Bacterial Bioavailability. Advanced Healthcare Materials, 2022, 11, e2101180.	3.9	3
2141	Chitosan oligosaccharides packaged into rat adipose mesenchymal stem cells-derived extracellular vesicles facilitating cartilage injury repair and alleviating osteoarthritis. Journal of Nanobiotechnology, 2021, 19, 343.	4.2	30
2142	Application of Mesenchymal Stem Cells in Targeted Delivery to the Brain: Potential and Challenges of the Extracellular Vesicle-Based Approach for Brain Tumor Treatment. International Journal of Molecular Sciences, 2021, 22, 11187.	1.8	14
2143	Glioblastoma Cellâ€“Derived lncRNA-Containing Exosomes Induce Microglia to Produce Complement C5, Promoting Chemotherapy Resistance. Cancer Immunology Research, 2021, 9, 1383-1399.	1.6	69
2144	Dynein Heavy Chain 64C Differentially Regulates Cell Survival and Proliferation of Wingless-Producing Cells in Drosophila melanogaster. Journal of Developmental Biology, 2021, 9, 43.	0.9	0
2145	Migrasomes and exosomes; different types of messaging vesicles in podocytes. Cell Biology International, 2022, 46, 52-62.	1.4	4
2146	Intercellular transfer of mitochondrial DNA carrying metastasis-enhancing pathogenic mutations from high- to low-metastatic tumor cells and stromal cells via extracellular vesicles. BMC Molecular and Cell Biology, 2021, 22, 52.	1.0	18
2147	Exosomes as Efficient Nanocarriers in Osteosarcoma: Biological Functions and Potential Clinical Applications. Frontiers in Cell and Developmental Biology, 2021, 9, 737314.	1.8	14
2148	Exosome Degeneration in Mesenchymal Stem Cells Derived from Patients with Type 1 Diabetes Mellitus. International Journal of Molecular Sciences, 2021, 22, 10906.	1.8	6

#	Article	IF	Citations
2149	Exosomes and Brain Metastases: A Review on Their Role and Potential Applications. International Journal of Molecular Sciences, 2021, 22, 10899.	1.8	13
2150	Isolation of sensory hair cell specific exosomes in human perilymph. Neuroscience Letters, 2021, 764, 136282.	1.0	8
2151	Extracellular vesicle-associated small heat shock proteins as therapeutic agents in neurodegenerative diseases and beyond. Advanced Drug Delivery Reviews, 2021, 179, 114009.	6.6	9
2152	Selective Isolation of Retroviruses from Extracellular Vesicles by Intact Virion Immunoprecipitation. Bio-protocol, 2018, 8, e3005.	0.2	1
2153	Quantitative Analysis of Cargo Density in Single-Extracellular Vesicles by Imaging. Bio-protocol, 2018, 8, e3111.	0.2	1
2154	Regenerative therapy for the nonhealing cutaneous wounds. Biopolymers and Cell, 2018, 34, 171-195.	0.1	0
2157	Comparison of the Regenerative Potential for Lung Tissue of Mesenchymal Stromal Cells from Different Sources/Locations Within the Body. , 2019, , 35-55.		0
2158	Role of Altered Extracellular Signalling in Cellular Senescence. , 2019, , .		0
2159	Role of extracellular vesicles in diagnosis and treatment of liver fibrosis. World Chinese Journal of Digestology, 2019, 27, 515-520.	0.0	0
2161	The Synergy between CRISPR and Chemical Engineering. Current Gene Therapy, 2019, 19, 147-171.	0.9	3
2162	MicroRNA and long nonâ€“coding RNA in neuropathic pain. Pain Research, 2019, 34, 219-227.	0.1	1
2163	Extracellular vesicles in plant host-microbe interaction. Trillium Extracellular Vesicles, 2019, 1, 46-50.	0.1	0
2164	Nanostructured Modulators of Neuroglia. Current Pharmaceutical Design, 2019, 25, 3905-3916.	0.9	3
2166	Osteoclast and Exosomes. , 2020, , 319-328.		0
2167	Extracellular RNA in human health and disease. , 2020, , 139-161.		0
2174	Extracellular Vesicles and Their Roles in Cancer Progression. Methods in Molecular Biology, 2021, 2174, 143-170.	0.4	82
2175	Extracellular vesicles in patients in the acute phase of psychosis and after clinical improvement: an explorative study. PeerJ, 2020, 8, e9714.	0.9	6
2177	Role of extracellular vesicles in the progression, diagnosis and treatment of thyroid cancer (Review). International Journal of Oncology, 2020, 57, 881-889.	1.4	3

#	Article	IF	Citations
2178	MALDI-TOF mass spectrometric protein profiling of microvesicles produced by the NK-92 natural killer cell line. Medical Immunology (Russia), 2020, 22, 633-646.	0.1	6
2180	â€œBrainstormingâ€• Extracellular Vesicles in Physical Activity and Neuronal Health. Trillium Extracellular Vesicles, 2020, 2, 54-59.	0.1	0
2181	Cellâ€“Matrix Interactions Regulate Functional Extracellular Vesicle Secretion from Mesenchymal Stromal Cells. ACS Nano, 2021, 15, 17439-17452.	7.3	20
2182	The C-Circle Biomarker Is Secreted by Alternative-Lengthening-of-Telomeres Positive Cancer Cells inside Exosomes and Provides a Blood-Based Diagnostic for ALT Activity. Cancers, 2021, 13, 5369.	1.7	10
2183	Exercise Training and Circulating Small Extracellular Vesicles: Appraisal of Methodological Approaches and Current Knowledge. Frontiers in Physiology, 2021, 12, 738333.	1.3	19
2184	Insights of Extracellular Vesicles of Mesenchymal Stem Cells: a Prospective Cell-Free Regenerative Medicine for Neurodegenerative Disorders. Molecular Neurobiology, 2022, 59, 459-474.	1.9	23
2185	Human hepatocyte-derived extracellular vesicles attenuate the carbon tetrachloride-induced acute liver injury in mice. Cell Death and Disease, 2021, 12, 1010.	2.7	8
2186	Analysis of Schistosoma mansoni Extracellular Vesicles Surface Glycans Reveals Potential Immune Evasion Mechanism and New Insights on Their Origins of Biogenesis. Pathogens, 2021, 10, 1401.	1.2	8
2187	Glomerular Endothelial Cell-Derived microRNA-192 Regulates Nephronectin Expression in Idiopathic Membranous Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2021, 32, 2777-2794.	3.0	20
2188	Exosomes in Ageing and Motor Neurone Disease: Biogenesis, Uptake Mechanisms, Modifications in Disease and Uses in the Development of Biomarkers and Therapeutics. Cells, 2021, 10, 2930.	1.8	21
2189	Impact of the Extracellular Vesicles Derived From Trypanosoma cruzi: A Paradox in Host Response and Lipid Metabolism Modulation. Frontiers in Cellular and Infection Microbiology, 2021, 11, 768124.	1.8	5
2190	RNA and Protein Delivery by Cellâ€Secreted and Bioengineered Extracellular Vesicles. Advanced Healthcare Materials, 2022, 11, e2101557.	3.9	5
2191	Skimmed Bovine Milk-Derived Extracellular Vesicles Isolated via â€œSalting-Outâ€• Characterizations and Potential Functions as Nanocarriers. Frontiers in Nutrition, 2021, 8, 769223.	1.6	9
2192	Challenges and strategy in treatment with exosomes for cell-free-based tissue engineering in dentistry. Future Science OA, 2021, 7, FSO751.	0.9	11
2193	Ionising Radiation Promotes Invasive Potential of Breast Cancer Cells: The Role of Exosomes in the Process. International Journal of Molecular Sciences, 2021, 22, 11570.	1.8	17
2195	Active cargo loading into extracellular vesicles: Highlights the heterogeneous encapsulation behaviour. Journal of Extracellular Vesicles, 2021, 10, e12163.	5.5	53
2196	Synthetic Poly(lactic-co-glycolic Acid) Microvesicles as a Feasible Carbon Monoxide-Releasing Platform for Cancer Treatment. Membranes, 2021, 11, 818.	1.4	1
2197	Label-Free Isolation of Exosomes Using Microfluidic Technologies. ACS Nano, 2021, 15, 17047-17079.	7.3	54

#	Article	IF	Citations
2198	The Fate Status of Stem Cells in Diabetes and its Role in the Occurrence of Diabetic Complications. Frontiers in Molecular Biosciences, 2021, 8, 745035.	1.6	10
2199	The Advancing Roles of Exosomes in Breast Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 731062.	1.8	15
2200	Cancer nanotechnology: current status and perspectives. Nano Convergence, 2021, 8, 34.	6.3	97
2201	Antisense oligonucleotide activity in tumour cells is influenced by intracellular LBPA distribution and extracellular vesicle recycling. Communications Biology, 2021, 4, 1241.	2.0	3
2202	Modification of exosomes with carbonate apatite and a glycan polymer improves transduction efficiency and target cell selectivity. Biochemical and Biophysical Research Communications, 2021, 583, 93-99.	1.0	5
2203	Uncovering temperatureâ€dependent extracellular vesicle secretion in breast cancer. Journal of Extracellular Vesicles, 2020, 10, e12049.	5.5	20
2205	Adsorption of extracellular vesicles onto the tube walls during storage in solution. PLoS ONE, 2020, 15, e0243738.	1.1	40
2206	Reply to the Commentary on â€œNew Frontiers or the Treatment of Interstitial Cystitis/Bladder Pain Syndrome-Focused on Stem Cells, Platelet-Rich Plasma, and Low-Energy Shock Waveâ€• International Neurourology Journal, 2020, 24, 389-390.	0.5	0
2208	Cell-Derived Nanovesicles as Exosome-Mimetics for Drug Delivery Purposes: Uses and Recommendations. Methods in Molecular Biology, 2021, 2211, 147-170.	0.4	9
2209	Role of reproductive fluids and extracellular vesicles in embryoâ€“maternal interaction during early pregnancy in cattle. Reproduction, Fertility and Development, 2021, 34, 117-138.	0.1	3
2210	Circulating RNAs in prostate cancer patients. Cancer Letters, 2022, 524, 57-69.	3.2	39
2211	APEX-mediated Proximity Labeling of Proteins in Cells Targeted by Extracellular Vesicles. Bio-protocol, 2021, 11, e4213.	0.2	1
2212	OUP accepted manuscript. Nutrition Reviews, 2021, , .	2.6	0
2213	Extracellular Vesicles: The Next Frontier in Regenerative Medicine and Drug Delivery. Advances in Experimental Medicine and Biology, 2020, 1249, 143-160.	0.8	2
2214	Adipocyte lipolysis and lipid-derived metabolite signaling. , 2020, , 115-129.		0
2215	Photoreceptor Transplantation: Re-evaluating the Mechanisms That Underlie Rescue. , 2020, , 614-629.		1
2216	Long Noncoding RNAs as Drivers of Acquired Chemoresistance in Hepatocellular Carcinoma. RNA Technologies, 2020, , 199-227.	0.2	0
2217	Extracellular Vesicles in Non-alcoholic Fatty Liver Disease: Key Players in Disease Pathogenesis and Promising Biomarker Tools. , 2020, , 157-180.		0

#	Article	IF	Citations
2218	Post-translational lipidation in extracellular vesicles: chemical mechanisms, biological functions and applications. Advances in Biomembranes and Lipid Self-Assembly, 2020, , 83-111.	0.3	2
2220	Assessment of innate immune response activation following the injection of extracellular vesicles isolated from human cell cultures in zebrafish embryos. Methods in Enzymology, 2020, 645, 277-295.	0.4	2
2224	Effective methods for isolation and purification of extracellular vesicles from plants. Journal of Integrative Plant Biology, 2021, 63, 2020-2030.	4.1	42
2225	Biological Roles and Clinical Significance of Exosome-Derived Noncoding RNAs in Bladder Cancer. Frontiers in Oncology, 2021, 11, 704703.	1.3	10
2226	Extracellular Vesicles Derived From Regeneration Associated Cells Preserve Heart Function After Ischemia-Induced Injury. Frontiers in Cardiovascular Medicine, 2021, 8, 754254.	1.1	10
2227	Role of Glia-Derived Extracellular Vesicles in Neurodegenerative Diseases. Frontiers in Aging Neuroscience, 2021, 13, 765395.	1.7	11
2228	The roles of exosomal immune checkpoint proteins in tumors. Military Medical Research, 2021, 8, 56.	1.9	12
2229	Characterization and profiling analysis of bovine oviduct and uterine extracellular vesicles and their miRNA cargo through the estrous cycle. FASEB Journal, 2021, 35, e22000.	0.2	10
2230	A Comparative Proteomic Analysis of Extracellular Vesicles Associated With Lipotoxicity. Frontiers in Cell and Developmental Biology, 2021, 9, 735001.	1.8	6
2231	Extracellular Vesicles as Central Mediators of COPD Pathophysiology. Annual Review of Physiology, 2022, 84, 631-654.	5.6	9
2232	Emerging Functions and Clinical Applications of Exosomal ncRNAs in Ovarian Cancer. Frontiers in Oncology, 2021, 11, 765458.	1.3	18
2233	Current Strategies for Cancer Cell-Derived Extracellular Vesicles for Cancer Therapy. Frontiers in Oncology, 2021, 11, 758884.	1.3	3
2234	Inflammatory alveolar macrophage-derived microvesicles damage lung epithelial cells and induce lung injury. Immunology Letters, 2022, 241, 23-34.	1.1	9
2235	Platelet extracellular vesicles in COVID-19: Potential markers and makers. Journal of Leukocyte Biology, 2021, 111, 63-74.	1.5	26
2236	CDC6: A novel canine tumour biomarker detected in circulating extracellular vesicles. Veterinary and Comparative Oncology, 2021, , .	0.8	5
2237	Cancer cell-derived exosomal circUSP7 induces CD8+ T cell dysfunction and anti-PD1 resistance by regulating the miR-934/SHP2 axis in NSCLC. Molecular Cancer, 2021, 20, 144.	7.9	92
2238	Placental mediated mechanisms of perinatal brain injury: Evolving inflammation and exosomes. Experimental Neurology, 2022, 347, 113914.	2.0	16
2239	Running to save sight: The effects of exercise on retinal health and function. Clinical and Experimental Ophthalmology, 2022, 50, 74-90.	1.3	9

#	Article	IF	Citations
2240	Extracellular Vesicles: Footprints of environmental exposures in the aging process?. Current Environmental Health Reports, 2021, 8, 309-322.	3.2	5
2241	Functional delivery of lncRNA TUG1 by endothelial progenitor cells derived extracellular vesicles confers anti-inflammatory macrophage polarization in sepsis via impairing miR-9-5p-targeted SIRT1 inhibition. Cell Death and Disease, 2021, 12, 1056.	2.7	31
2242	Extracellular vesicles originating from autophagy mediate an antibody-resistant spread of classical swine fever virus in cell culture. Autophagy, 2022, 18, 1433-1449.	4.3	8
2243	New Scenarios in Pharmacological Treatments of Head and Neck Squamous Cell Carcinomas. Cancers, 2021, 13, 5515.	1.7	12
2244	Novel Roles of Small Extracellular Vesicles in Regulating the Quiescence and Proliferation of Neural Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 762293.	1.8	10
2245	Proteomic analysis of necroptotic extracellular vesicles. Cell Death and Disease, 2021, 12, 1059.	2.7	25
2246	LPS-induced macrophage HMGB1-loaded extracellular vesicles trigger hepatocyte pyroptosis by activating the NLRP3 inflammasome. Cell Death Discovery, 2021, 7, 337.	2.0	36
2250	Intercellular Communication via Extracellular Vesicle Cargo MicroRNAs: Challenges for Experimental Design. Critical Care Medicine, 2020, 48, e1364-e1365.	0.4	2
2255	Extracellular Vesicles: â€œStealth Transport Aircraftsâ€•for Drugs. , 0, , .		1
2256	Mesenchymal Stem Cellâ€“Derived Exosomes and Regenerative Medicine. , 2021, , 141-164.		2
2257	Lipid metabolism in Trypanosoma cruzi: A review. Molecular and Biochemical Parasitology, 2020, 240, 111324.	0.5	18
2260	EL4-derived Exosomes Carry Functional TNF-related Apoptosis-inducing Ligand that are Able to Induce Apoptosis and Necrosis in the Target Cells. International Journal of Molecular and Cellular Medicine, 2020, 9, 207-215.	1.1	0
2261	Extracellular vesicles in Inter-Kingdom communication in gastrointestinal cancer. American Journal of Cancer Research, 2021, 11, 1087-1103.	1.4	2
2262	AML-derived Extracellular Vesicles Confer Chemoresistance to Leukemic Myeloblast Cells by Promoting Drug Export Genes Expression and ROS Inhibition. Iranian Journal of Pharmaceutical Research, 2021, 20, 384-397.	0.3	3
2263	Treatment with adipose-derived regenerative cells enhances ischemia-induced angiogenesis via exosomal microRNA delivery in mice. Nagoya Journal of Medical Science, 2021, 83, 465-476.	0.6	3
2264	Extracellular Vesicle-Shuttling MicroRNAs Regulate the Development of Inflammatory Lung Responses. Annals of Pulmonary and Critical Care Medicine, 2018, 1, 1-4.	0.0	1
2265	Mechanism of cargo sorting into small extracellular vesicles. Bioengineered, 2021, 12, 8186-8201.	1.4	42
2266	The potential role of exosomal circRNAs in the tumor microenvironment: insights into cancer diagnosis and therapy. Theranostics, 2022, 12, 87-104.	4.6	54

#	Article	IF	Citations
2267	A novel specific and ultrasensitive method detecting extracellular vesicles secreted from lung cancer by padlock probe-based exponential rolling circle amplification. Nano Today, 2022, 42, 101334.	6.2	19
2268	Human Bone Marrow Mesenchymal Stromal Cell-Derived Extracellular Vesicles Promote Proliferation of Degenerated Nucleus Pulposus Cells and the Synthesis of Extracellular Matrix Through the SOX4/Wnt/Î²-Catenin Axis. Frontiers in Physiology, 2021, 12, 723220.	1.3	6
2269	Transcriptomic Characterization of Cow, Donkey and Goat Milk Extracellular Vesicles Reveals Their Anti-Inflammatory and Immunomodulatory Potential. International Journal of Molecular Sciences, 2021, 22, 12759.	1.8	27
2270	The Roles and Mechanisms of lncRNAs in Liver Fibrosis. Frontiers in Pharmacology, 2021, 12, 779606.	1.6	4
2271	Repetitive Treatment with Volatile Anesthetics Does Not Affect the In Vivo Plasma Concentration and Composition of Extracellular Vesicles in Rats. Current Issues in Molecular Biology, 2021, 43, 1997-2010.	1.0	3
2272	State-of-the-Art: Exosomes in Colorectal Cancer. Current Cancer Drug Targets, 2022, 22, 2-17.	0.8	4
2273	High TSPAN8 expression in epithelial cancer cellâ€derived small extracellular vesicles promote confined diffusion and pronounced uptake. Journal of Extracellular Vesicles, 2021, 10, e12167.	5.5	9
2274	Platelet-derived microvesicles deliver miR-30e and promote VSMC apoptosis after balloon injury. Medicine in Novel Technology and Devices, 2021, , 100103.	0.9	1
2275	Special delEVery: Extracellular Vesicles as Promising Delivery Platform to the Brain. Biomedicines, 2021, 9, 1734.	1.4	16
2276	Molecular Mediators of RNA Loading into Extracellular Vesicles. Cells, 2021, 10, 3355.	1.8	33
2277	Scalable Enrichment of Immunomodulatory Human Acute Myeloid Leukemia Cell Line-Derived Extracellular Vesicles. Cells, 2021, 10, 3321.	1.8	3
2278	Cancer metabolism and tumor microenvironment: fostering each other?. Science China Life Sciences, 2022, 65, 236-279.	2.3	68
2279	Behind the scenes of extracellular vesicle therapy for skin injuries and disorders. Advances in Wound Care, 2021, , .	2.6	1
2280	Exosomal lncRNA UCA1 Derived From Pancreatic Stellate Cells Promotes Gemcitabine Resistance in Pancreatic Cancer via the SOCS3/EZH2 Axis. Frontiers in Oncology, 2021, 11, 671082.	1.3	29
2281	Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues. Cell Reports, 2021, 37, 110058.	2.9	36
2282	Extracellular Vesicles Physiological Role and the Particular Case of Disease-Spreading Mechanisms in Polyglutamine Diseases. International Journal of Molecular Sciences, 2021, 22, 12288.	1.8	2
2283	Constructing a cell microenvironment with biomaterial scaffolds for stem cell therapy. Stem Cell Research and Therapy, 2021, 12, 583.	2.4	23
2284	Tumor-derived extracellular vesicles regulate tumor-infiltrating regulatory T cells via the inhibitory immunoreceptor CD300a. ELife, 2021, 10, .	2.8	14

#	Article	IF	Citations
2285	Cell-derived extracellular vesicles and membranes for tissue repair. Journal of Nanobiotechnology, 2021, 19, 368.	4.2	10
2286	Impact of the Main Cardiovascular Risk Factors on Plasma Extracellular Vesicles and Their Influence on the Heartâ€™s Vulnerability to Ischemia-Reperfusion Injury. Cells, 2021, 10, 3331.	1.8	6
2287	Demystifying the long noncoding RNA landscape of small EVs derived from human mesenchymal stromal cells. Journal of Advanced Research, 2022, 39, 73-88.	4.4	6
2288	Extracellular vesicles in inflammation: Focus on the microRNA cargo of EVs in modulation of liver diseases. Journal of Leukocyte Biology, 2021, 111, 75-92.	1.5	15
2289	Prospects of Extracellular Vesicles in Otorhinolaryngology, Head and Neck Surgery. Journal of Nanotheranostics, 2021, 2, 208-223.	1.7	1
2290	Oviduct epithelial cellsâ€derived extracellular vesicles improve preimplantation developmental competence of in vitro produced porcine parthenogenetic and cloned embryos. Molecular Reproduction and Development, 2022, 89, 54-65.	1.0	14
2291	Pulmonary injury as a predictor of cerebral hypoxia in traumatic brain injury: from physiology to physiopathology. Journal of Neurosurgical Sciences, 2021, , .	0.3	2
2292	PI3K/AKT/mTOR Signaling Pathway Is Required for JCPyV Infection in Primary Astrocytes. Cells, 2021, 10, 3218.	1.8	5
2293	Extracellular vesicles as a source of prostate cancer biomarkers in liquid biopsies: a decade of research. British Journal of Cancer, 2022, 126, 331-350.	2.9	39
2295	Enzyme-Loaded Catalytic Macrophage Vesicles with Cascade Amplification of Tumor-Targeting for Oxygenated Photodynamic Therapy. International Journal of Nanomedicine, 2021, Volume 16, 7801-7812.	3.3	3
2296	Transfusionâ€related immunomodulation in patients with cancer: Focus on the impact of extracellular vesicles from stored red blood cells (Review). International Journal of Oncology, 2021, 59, .	1.4	4
2297	Mitochondrial Transfer in Cardiovascular Disease: From Mechanisms to Therapeutic Implications. Frontiers in Cardiovascular Medicine, 2021, 8, 771298.	1.1	16
2298	Circulating Exosomal miRNAs as Novel Biomarkers Perform Superior Diagnostic Efficiency Compared With Plasma miRNAs for Large-Artery Atherosclerosis Stroke. Frontiers in Pharmacology, 2021, 12, 791644.	1.6	13
2299	Stability of Erythrocyte-Derived Nanovesicles Assessed by Light Scattering and Electron Microscopy. International Journal of Molecular Sciences, 2021, 22, 12772.	1.8	11
2300	Extracellular Vesicles Released by Leishmania: Impact on Disease Development and Immune System Cells. , 0, , .		1
2301	The von Willebrand factor stamps plasmatic extracellular vesicles from glioblastoma patients. Scientific Reports, 2021, 11, 22792.	1.6	16
2302	Biocompatible Nanomaterials as an Emerging Technology in Reproductive Health; a Focus on the Male. Frontiers in Physiology, 2021, 12, 753686.	1.3	3
2303	P2X7 promotes metastatic spreading and triggers release of miRNA-containing exosomes and microvesicles from melanoma cells. Cell Death and Disease, 2021, 12, 1088.	2.7	31

#	Article	IF	Citations
2305	Exosomes from dental pulp cells attenuate bone loss in mouse experimental periodontitis. Journal of Periodontal Research, 2022, 57, 162-172.	1.4	18
2306	Lipolysis: cellular mechanisms for lipid mobilization from fat stores. Nature Metabolism, 2021, 3, 1445-1465.	5.1	208
2307	Plasma extracellular vesicle microRNA profiling and the identification of a diagnostic signature for stage I lung adenocarcinoma. Cancer Science, 2022, 113, 648-659.	1.7	16
2308	The protective effects of pericyte-derived microvesicles on vascular endothelial functions via CTGF delivery in sepsis. Cell Communication and Signaling, 2021, 19, 115.	2.7	5
2309	Identification of exosomal mRNA, lncRNA and circRNA signatures in an osteoarthritis synovial fluid-exosomal study. Experimental Cell Research, 2022, 410, 112881.	1.2	15
2310	Mechanisms of Extracellular Vesicle Biogenesis, Cargo Loading, and Release. Physiology, 0, , .	4.0	2
2311	Mesenchymal Stem Cell-Derived Exosomes: The New Frontier for the Treatment of Intervertebral Disc Degeneration. Applied Sciences (Switzerland), 2021, 11, 11222.	1.3	4
2312	Effect of Cationic Charge Density on Transcytosis of Polyethylenimine. Biomacromolecules, 2021, 22, 5139-5150.	2.6	20
2313	A Rapid and Facile Separationâ€“Detection Integrated Strategy for Exosome Profiling Based on Boronic Acid-Directed Coupling Immunoaffinity. Analytical Chemistry, 2021, 93, 16059-16067.	3.2	9
2314	Extracellular Vesicles and Their Interplay with Biological Membranes. Physiology, 0, , .	4.0	0
2315	Exosomal lncRNA-Mediated Intercellular Communication Promotes Glioblastoma Chemoresistance. Cancer Immunology Research, 2021, 9, 1372-1372.	1.6	3
2316	Functional Recovery Caused by Human Adipose Tissue Mesenchymal Stem Cell-Derived Extracellular Vesicles Administered 24 h after Stroke in Rats. International Journal of Molecular Sciences, 2021, 22, 12860.	1.8	9
2317	Proteomic Analysis of the Promastigote Secretome of Seven Leishmania Species. Journal of Proteome Research, 2022, 21, 30-48.	1.8	13
2318	An Exploration of Non-Coding RNAs in Extracellular Vesicles Delivered by Swine Anterior Pituitary. Frontiers in Genetics, 2021, 12, 772753.	1.1	3
2319	Liver fibrosis: Extracellular vesicles mediated intercellular communication in perisinusoidal space. Hepatology, 2022, 76, 275-285.	3.6	30
2320	Enhancing the Therapeutic Potential of Extracellular Vesicles Using Peptide Technology. Methods in Molecular Biology, 2022, 2383, 119-141.	0.4	5
2321	Dietary Regulation of Gut-Brain Axis in Alzheimerâ€™s Disease: Importance of Microbiota Metabolites. Frontiers in Neuroscience, 2021, 15, 736814.	1.4	24
2322	The emerging role of small extracellular vesicles in saliva and gingival crevicular fluid as diagnostics for periodontitis. Journal of Periodontal Research, 2022, 57, 219-231.	1.4	29

#	Article	IF	Citations
2323	Extracellular vesicles derived from astrocytes facilitated neurite elongation by activating the Hippo pathway. Experimental Cell Research, 2022, 411, 112937.	1.2	4
2324	Endothelial dysfunction caused by circulating microparticles from diabetic mice is reduced by PD98059 through ERK and ICAM-1. European Journal of Pharmacology, 2021, 913, 174630.	1.7	2
2325	N-glycosylation status of Trop2 impacts its surface density, interaction with claudin-7 and exosomal release. Archives of Biochemistry and Biophysics, 2021, 714, 109084.	1.4	6
2326	Cancer associated-fibroblast-derived exosomes in cancer progression. Molecular Cancer, 2021, 20, 154.	7.9	116
2327	MYC regulates metabolism through vesicular transfer of glycolytic kinases. Open Biology, 2021, 11, 210276.	1.5	5
2329	Liquid biopsy in prostate cancer: current status and future challenges of clinical application. Aging Male, 2021, 24, 58-71.	0.9	11
2330	Influence of short term storage conditions, concentration methods and excipients on extracellular vesicle recovery and function. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 170, 59-69.	2.0	29
2331	Biogenesis of Fungal Extracellular Vesicles: What Do We Know?. Current Topics in Microbiology and Immunology, 2021, 432, 1-11.	0.7	0
2332	Fungal Extracellular Vesicles in Interkingdom Communication. Current Topics in Microbiology and Immunology, 2021, 432, 81-88.	0.7	1
2333	Interactions of Extracellular Vesicles from Pathogenic Fungi with Innate Leukocytes. Current Topics in Microbiology and Immunology, 2021, 432, 89-120.	0.7	1
2334	SPR imaging for cellular analysis and detection. Comprehensive Analytical Chemistry, 2021, 95, 185-236.	0.7	1
2336	The Functional Role of Extracellular Matrix Proteins in Cancer. Cancers, 2022, 14, 238.	1.7	65
2337	Antiadhesive nanosome elicits role of glycocalyx of tumor cell-derived exosomes in the organotropic cancer metastasis. Biomaterials, 2022, 280, 121314.	5.7	9
2338	Therapeutic implications of exosomes in the treatment of radiation injury. Burns and Trauma, 2022, 10, tkab043.	2.3	7
2339	The role of Alzheimer's disease risk genes in endolysosomal pathways. Neurobiology of Disease, 2022, 162, 105576.	2.1	27
2340	Technology insight: Plant-derived vesiclesâ€"How far from the clinical biotherapeutics and therapeutic drug carriers?. Advanced Drug Delivery Reviews, 2022, 182, 114108.	6.6	82
2341	Radioiodination of extravesicular surface constituents to study the biocorona, cell trafficking and storage stability of extracellular vesicles. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130069.	1.1	16
2342	A longitudinal study of alterations of circulating DJ-1 and miR203a-3p in association to olanzapine medication in a sample of first episode patients with schizophrenia. Journal of Psychiatric Research, 2022, 146, 109-117.	1.5	8

#	Article	IF	Citations
2343	Exocyst controls exosome biogenesis via Rab11a. Molecular Therapy - Nucleic Acids, 2022, 27, 535-546.	2.3	14
2344	Multi-target polydiacetylene liposome-based biosensor for improved exosome detection. Sensors and Actuators B: Chemical, 2022, 355, 131286.	4.0	10
2345	Calpain inhibitor suppresses both extracellular vesicle-mediated secretion of miRNAs and egg production from paired adults of Schistosoma japonicum. Parasitology International, 2022, 87, 102540.	0.6	6
2347	Cancer diagnosis and analysis devices based on multimolecular crowding. Chemical Communications, 2021, 57, 13655-13661.	2.2	1
2348	Circulating Exosomal circRNAs Contribute to Potential Diagnostic Value of Large Artery Atherosclerotic Stroke. Frontiers in Immunology, 2021, 12, 830018.	2.2	15
2349	Extracellular Vesicles Promote the Formation of Pre-Metastasis Niche in Gastric Cancer. Frontiers in Immunology, 2022, 13, 813015.	2.2	10
2350	Mesenchymal Stem Cell-Based COVID-19 Therapy: Bioengineering Perspectives. Cells, 2022, 11, 465.	1.8	3
2351	Extracellular vesicles in low volume uterine lavage and serum: novel and promising biomarker for endometritis in Arabian mares. BMC Veterinary Research, 2022, 18, 42.	0.7	4
2352	Microfluidic Approaches and Methods Enabling Extracellular Vesicle Isolation for Cancer Diagnostics. Micromachines, 2022, 13, 139.	1.4	9
2353	Tissue differences in the exosomal/small extracellular vesicle proteome and their potential as indicators of altered tissue metabolism. Cell Reports, 2022, 38, 110277.	2.9	51
2354	Circulating extracellular vesicles expressing PD1 and PD-L1 predict response and mediate resistance to checkpoint inhibitors immunotherapy in metastatic melanoma. Molecular Cancer, 2022, 21, 20.	7.9	55
2355	Mechanical Compression of Human Airway Epithelial Cells Induces Release of Extracellular Vesicles Containing Tenascin C. Cells, 2022, 11, 256.	1.8	6
2356	Generation of Spike-Extracellular Vesicles (S-EVs) as a Tool to Mimic SARS-CoV-2 Interaction with Host Cells. Cells, 2022, 11, 146.	1.8	9
2357	Extracellular vesicles in vascular remodeling. Acta Pharmacologica Sinica, 2022, 43, 2191-2201.	2.8	17
2358	Recent progress of macrophage vesicle-based drug delivery systems. Drug Delivery and Translational Research, 2022, 12, 2287-2302.	3.0	11
2359	Exosomes released from Sertoli cells contribute to the survival of Leydig cells through CCL20 in rats. Molecular Human Reproduction, 2022, 28, .	1.3	9
2360	Inflammatory osteoclastsâ€derived exosomes promote bone formation by selectively transferring lncRNA LIOCE into osteoblasts to interact with and stabilize Osterix. FASEB Journal, 2022, 36, e22115.	0.2	13
2361	Neutral sphingomyelinase 2 controls exosome secretion by counteracting V-ATPase-mediated endosome acidification. Journal of Cell Science, 2022, 135, .	1.2	31

#	Article	IF	Citations
2362	In Vitro and In Vivo Analysis of Extracellular Vesicleâ€Mediated Metastasis Using a Bright, Redâ€Shifted Bioluminescent Reporter Protein. Genetics & Genomics Next, 2022, 3, .	0.8	7
2363	The impact of sensory neuropathy and inflammation on epithelial wound healing in diabetic corneas. Progress in Retinal and Eye Research, 2022, 89, 101039.	7.3	47
2364	Hyperthermia promotes exosome secretion by regulating Rab7b while increasing drug sensitivity in adriamycin-resistant breast cancer. International Journal of Hyperthermia, 2022, 39, 246-257.	1.1	10
2365	Immune cell-derived small extracellular vesicles in cancer treatment. BMB Reports, 2022, 55, 48-56.	1.1	13
2366	Trichomonas vaginalis: Lifestyle, Cellular Biology, and Molecular Mechanisms of Pathogenesis. Microbiology Monographs, 2022, , 541-617.	0.3	4
2367	Drp1/Fis1-Dependent Pathologic Fission and Associated Damaged Extracellular Mitochondria Contribute to Macrophage Dysfunction in Endotoxin Tolerance. Critical Care Medicine, 2022, 50, e504-e515.	0.4	8
2368	The Importance of Small Extracellular Vesicles in the Cerebral Metastatic Process. International Journal of Molecular Sciences, 2022, 23, 1449.	1.8	8
2369	Role of the Mediator Complex and MicroRNAs in Breast Cancer Etiology. Genes, 2022, 13, 234.	1.0	6
2370	Exosomes Regulate NLRP3 Inflammasome in Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 802509.	1.8	11
2371	The Activation of Mesenchymal Stem Cells by Glioblastoma Microvesicles Alters Their Exosomal Secretion of miR-100-5p, miR-9-5p and let-7d-5p. Biomedicines, 2022, 10, 112.	1.4	12
2372	Cellular prion protein in human plasmaâ€“derived extracellular vesicles promotes neurite outgrowth via the NMDA receptorâ€“LRP1 receptor system. Journal of Biological Chemistry, 2022, 298, 101642.	1.6	3
2373	Validating Cell Surface Proteases as Drug Targets for Cancer Therapy: What Do We Know, and Where Do We Go?. Cancers, 2022, 14, 624.	1.7	10
2374	Clinical Application of MicroRNAs in Breast Cancer Treatment. Archives of Breast Cancer, 0, , 20-31.	0.0	3
2376	Exosomes: Biological Pharmaceutical Nanovectors for Theranostics. Frontiers in Bioengineering and Biotechnology, 2021, 9, 808614.	2.0	15
2377	Synergy of Human Platelet-Derived Extracellular Vesicles with Secretome Proteins Promotes Regenerative Functions. Biomedicines, 2022, 10, 238.	1.4	19
2378	Golgi phosphoprotein 3 promotes angiogenesis and sorafenib resistance in hepatocellular carcinoma via upregulating exosomal miR-494-3p. Cancer Cell International, 2022, 22, 35.	1.8	13
2379	Network biology and artificial intelligence drive the understanding of the multidrug resistance phenotype in cancer. Drug Resistance Updates, 2022, 60, 100811.	6.5	13
2380	Recent advances in exosome analysis assisted by functional nucleic acid-based signal amplification technologies. TrAC - Trends in Analytical Chemistry, 2022, 149, 116549.	5.8	10

#	Article	IF	Citations
2381	Interactions of plant food bioactivesâ€loaded nano delivery systems at the nanoâ€bio interface and its pharmacokinetics: An overview. Food Frontiers, 2022, 3, 256-275.	3.7	19
2382	The role of exosomes in intercellular and interâ€organ communication of the peripheral nervous system. FEBS Letters, 2022, 596, 655-664.	1.3	21
2383	Microvilli-derived extracellular vesicles carry Hedgehog morphogenic signals for Drosophila wing imaginal disc development. Current Biology, 2022, 32, 361-373.e6.	1.8	14
2385	Integrative biology of extracellular vesicles in diabetes mellitus and diabetic complications. Theranostics, 2022, 12, 1342-1372.	4.6	22
2386	Exosomal microRNAs: potential targets for the prevention and treatment of diabetic cardiomyopathy. Journal of Cardiology, 2022, 80, 423-431.	0.8	3
2387	The roles and therapeutic approaches of MSC-derived exosomes in colorectal cancer. Clinical and Translational Oncology, 2022, 24, 959-967.	1.2	7
2388	Confocal microscopy analysis reveals that only a small proportion of extracellular vesicles are successfully labelled with commonly utilised staining methods. Scientific Reports, 2022, 12, 262.	1.6	10
2389	Exosomes in the hypoxic TME: from release, uptake and biofunctions to clinical applications. Molecular Cancer, 2022, 21, 19.	7.9	63
2390	ILâ€35 enhances angiogenic effects of small extracellular vesicles in breast cancer. FEBS Journal, 2022, 289, 3489-3504.	2.2	2
2391	Tumor-derived extracellular vesicles as messengers of natural products in cancer treatment. Theranostics, 2022, 12, 1683-1714.	4.6	26
2393	Extracellular vesicles derived from neural EGFL-Like 1-modified mesenchymal stem cells improve acellular bone regeneration via the miR-25-5p-SMAD2 signaling axis. Bioactive Materials, 2022, 17, 457-470.	8.6	18
2394	Human neural cell typeâ€specificÂextracellular vesicle proteome defines diseaseâ€related molecules associated with activated astrocytes in Alzheimer's disease brain. Journal of Extracellular Vesicles, 2022, 11, e12183.	5.5	54
2395	Impact on NK cell functions of acute versus chronic exposure to extracellular vesicleâ€associated MICA: Dual role in cancer immunosurveillance. Journal of Extracellular Vesicles, 2022, 11, e12176.	5.5	22
2396	Extracellular vesicle glucose transporter-1 and glycan features in monocyte-endothelial inflammatory interactions. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102515.	1.7	13
2397	Roles of the Exosomes Derived From Myeloid-Derived Suppressor Cells in Tumor Immunity and Cancer Progression. Frontiers in Immunology, 2022, 13, 817942.	2.2	4
2398	Dodging blood brain barrier with â€œnanoâ€warriors: Novel strategy against ischemic stroke. Theranostics, 2022, 12, 689-719.	4.6	29
2399	Nanomaterials-Based Urinary Extracellular Vesicles Isolation and Detection for Non-invasive Auxiliary Diagnosis of Prostate Cancer. Frontiers in Medicine, 2021, 8, 800889.	1.2	9
2400	Agonist-induced extracellular vesicles contribute to the transfer of functional bombesin receptor-subtype 3 to recipient cells. Cellular and Molecular Life Sciences, 2022, 79, 72.	2.4	0

#	Article	IF	Citations
2401	Therapeutic potential of induced pluripotent stem cellâ€“derived extracellular vesicles. , 2022, , 393-449.		0
2402	Induced pluripotent stem cellâ€“derived extracellular vesicles in regenerative medicine. , 2022, , 507-527.		0
2403	Bone Mesenchymal Stem Cell-Derived sEV-Encapsulated Thermosensitive Hydrogels Accelerate Osteogenesis and Angiogenesis by Release of Exosomal miR-21. Frontiers in Bioengineering and Biotechnology, 2021, 9, 829136.	2.0	28
2404	Glutathione-functionalized magnetic thioether-COFs for the simultaneous capture of urinary exosomes and enrichment of exosomal glycosylated and phosphorylated peptides. Nanoscale, 2022, 14, 853-864.	2.8	29
2405	Extracellular vesicles released by non-small cell lung cancer cells drive invasion and permeability in non-tumorigenic lung epithelial cells. Scientific Reports, 2022, 12, 972.	1.6	11
2406	Extracellular vesicle PD-L1 in reshaping tumor immune microenvironment: biological function and potential therapy strategies. Cell Communication and Signaling, 2022, 20, 14.	2.7	23
2407	Semen extracellular vesicles mediate vertical transmission of subgroup J avian leukosis virus. Virologica Sinica, 2022, 37, 284-294.	1.2	3
2408	Tumor-derived extracellular vesicles: Potential tool for cancer diagnosis, prognosis, and therapy. Saudi Journal of Biological Sciences, 2022, 29, 2063-2071.	1.8	12
2409	Tick Saliva and Salivary Glands: What Do We Know So Far on Their Role in Arthropod Blood Feeding and Pathogen Transmission. Frontiers in Cellular and Infection Microbiology, 2021, 11, 816547.	1.8	18
2410	Role of Exosomes in Immune Microenvironment of Hepatocellular Carcinoma. Journal of Oncology, 2022, 2022, 1-15.	0.6	16
2411	Role of Extracellular Vesicles as Potential Diagnostic and/or Therapeutic Biomarkers in Chronic Cardiovascular Diseases. Frontiers in Cell and Developmental Biology, 2022, 10, 813885.	1.8	19
2412	Exosomal miRNAs from Prostate Cancer Impair Osteoblast Function in Mice. International Journal of Molecular Sciences, 2022, 23, 1285.	1.8	16
2413	Poor Sleep Quality is Linked to Elevated Extracellular Vesicle-Associated Inflammatory Cytokines in Warfighters With Chronic Mild Traumatic Brain Injuries. Frontiers in Pharmacology, 2021, 12, 762077.	1.6	7
2414	Aptamers targeting amyloidogenic proteins and their emerging role in neurodegenerative diseases. Journal of Biological Chemistry, 2022, 298, 101478.	1.6	12
2415	Design and Evaluation of Engineered Extracellular Vesicle (EV)-Based Targeting for EGFR-Overexpressing Tumor Cells Using Monobody Display. Bioengineering, 2022, 9, 56.	1.6	12
2416	Affinity-Based Enrichment of Extracellular Vesicles with Lipid Nanoprobes. Methods in Molecular Biology, 2022, 2394, 185-197.	0.4	2
2417	Breaking the classics: Next-generation biosensors for the isolation, profiling and detection of extracellular vesicles. Biosensors and Bioelectronics: X, 2022, 10, 100115.	0.9	5
2418	ESP-B4 promotes nasal epithelial cell-derived extracellular vesicles containing miR-146a-5p to modulate Smad3/GATA-3 thus relieving allergic rhinitis. Phytomedicine, 2022, , 153973.	2.3	0

#	Article	IF	Citations
2419	MEK/ERKâ€mediated oncogenic signals promote secretion of extracellular vesicles by controlling lysosome function. Cancer Science, 2022, 113, 1264-1276.	1.7	11
2420	Autophagy and Exosomes: Cross-Regulated Pathways Playing Major Roles in Hepatic Stellate Cells Activation and Liver Fibrosis. Frontiers in Physiology, 2021, 12, 801340.	1.3	12
2421	Using genetically modified extracellular vesicles as a non-invasive strategy to evaluate brain-specific cargo. Biomaterials, 2022, 281, 121366.	5.7	13
2422	Chemical and Biomolecular Strategies for STING Pathway Activation in Cancer Immunotherapy. Chemical Reviews, 2022, 122, 5977-6039.	23.0	92
2423	The role of neutrophil extracellular traps in cancer progression and metastasis. Seminars in Immunology, 2021, 57, 101595.	2.7	46
2424	Engineered extracellular vesicles directed to the spike protein inhibit SARS-CoV-2. Molecular Therapy - Methods and Clinical Development, 2022, 24, 355-366.	1.8	19
2425	Extracellular vesicles-encapsulated microRNA-29b-3p from bone marrowâ€derived mesenchymal stem cells promotes fracture healing via modulation of the PTEN/PI3K/AKT axis. Experimental Cell Research, 2022, 412, 113026.	1.2	16
2426	Exploring the role of extracellular vesicles and their protein cargo in lung cancer metastasis: A review. Critical Reviews in Oncology/Hematology, 2022, 171, 103603.	2.0	5
2427	Momordica charantia-derived extracellular vesicles-like nanovesicles inhibited glioma proliferation, migration, and invasion by regulating the PI3K/AKT signaling pathway. Journal of Functional Foods, 2022, 90, 104968.	1.6	13
2428	Exosomal-long non-coding RNAs journey in colorectal cancer: Evil and goodness faces of key players. Life Sciences, 2022, 292, 120325.	2.0	47
2429	Targeted mitochondrial delivery: A therapeutic new era for disease treatment. Journal of Controlled Release, 2022, 343, 89-106.	4.8	12
2430	Therapeutic applications of mitochondrial transplantation. Biochimie, 2022, 195, 1-15.	1.3	22
2431	Kinesin-II Motors Differentially Impact Biogenesis of Distinct Extracellular Vesicle Subpopulations Shed From Sensory Cilia. SSRN Electronic Journal, 0, , .	0.4	0
2432	New paradigms in regenerative engineering: Emerging role of extracellular vesicles paired with instructive biomaterials. Biocell, 2022, 46, 1445-1451.	0.4	4
2434	Characterization and modulation of surface charges to enhance extracellular vesicle isolation in plasma. Theranostics, 2022, 12, 1988-1998.	4.6	23
2435	Candida albicans Induces Cross-Kingdom miRNA Trafficking in Human Monocytes To Promote Fungal Growth. MBio, 2022, 13, e0356321.	1.8	14
2437	Quantitative proteomic analysis of serum-purified exosomes identifies putative pre-eclampsia-associated biomarkers. Clinical Proteomics, 2022, 19, 5.	1.1	9
2438	CNS endothelial derived extracellular vesicles are biomarkers of active disease in multiple sclerosis. Fluids and Barriers of the CNS, 2022, 19, 13.	2.4	17

#	Article	IF	Citations
2439	Stimulatory Effects of Extracellular Vesicles Derived from Leuconostoc holzapfelii That Exists in Human Scalp on Hair Growth in Human Follicle Dermal Papilla Cells. Current Issues in Molecular Biology, 2022, 44, 845-866.	1.0	6
2440	A materialâ€based panspermia hypothesis: The potential of polymer gels and membraneless droplets. Biopolymers, 2022, , e23486.	1.2	4
2441	Upregulation of exosomal circPLK1 promotes the development of non-small cell lung cancer through the miR-1294/ high mobility group protein A1 axis. Bioengineered, 2022, 13, 4185-4200.	1.4	8
2442	Simultaneously enhanced osteogenesis and angiogenesis via macrophage-derived exosomes upon stimulation with titania nanotubes. Materials Science and Engineering C, 2022, 134, 112708.	3.8	10
2443	Syntenin-1-mediated small extracellular vesicles promotes cell growth, migration, and angiogenesis by increasing onco-miRNAs secretion in lung cancer cells. Cell Death and Disease, 2022, 13, 122.	2.7	18
2444	Investigation of Urinary Exosome Metabolic Patterns in Membranous Nephropathy by Titaniaâ€Assisted Intact Exosome Mass Spectrometry. Small Science, 2022, 2, .	5.8	8
2445	Strong SARS-CoV-2 N-Specific CD8+ T Immunity Induced by Engineered Extracellular Vesicles Associates with Protection from Lethal Infection in Mice. Viruses, 2022, 14, 329.	1.5	11
2446	Circulating Small Extracellular Vesicles May Contribute to Vaso-Occlusive Crises in Sickle Cell Disease. Journal of Clinical Medicine, 2022, 11, 816.	1.0	2
2447	Pathogenic and Potential Therapeutic Roles of Exosomes Derived From Immune Cells in Liver Diseases. Frontiers in Immunology, 2022, 13, 810300.	2.2	6
2448	Tumor-suppressive circRHOBTB3 is excreted out of cells via exosome to sustain colorectal cancer cell fitness. Molecular Cancer, 2022, 21, 46.	7.9	35
2449	Harnessing the Therapeutic Potential of Extracellular Vesicles for Biomedical Applications Using Multifunctional Magnetic Nanomaterials. Small, 2022, 18, e2104783.	5.2	31
2450	Metabolomic analysis of extracellular vesicles from human synovial fluids. Microchemical Journal, 2022, 177, 107257.	2.3	2
2451	Biogenesis and function of extracellular vesicles in pathophysiological processes of skeletal muscle atrophy. Biochemical Pharmacology, 2022, 198, 114954.	2.0	38
2452	Retroviral infection of human neurospheres and use of stem Cell EVs to repair cellular damage. Scientific Reports, 2022, 12, 2019.	1.6	6
2453	Role of Proteinâ€“Lipid Interactions in Viral Entry. Advanced Biology, 2022, 6, e2101264.	1.4	5
2455	Educating EVs to Improve Bone Regeneration: Getting Closer to the Clinic. International Journal of Molecular Sciences, 2022, 23, 1865.	1.8	5
2456	Multivalency-Induced Shape Deformation of Nanoscale Lipid Vesicles: Size-Dependent Membrane Bending Effects. Journal of Physical Chemistry Letters, 2022, 13, 1480-1488.	2.1	5
2457	Role of Extracellular Vesicles in the Pathogenesis of Vascular Damage. Hypertension, 2022, 79, 863-873.	1.3	27

#	Article	IF	Citations
2458	Endometriosis derived exosomal miR-301a-3p mediates macrophage polarization via regulating PTEN-PI3K axis. Biomedicine and Pharmacotherapy, 2022, 147, 112680.	2.5	22
2459	T lymphocyte-derived extracellular vesicles aggravate abdominal aortic aneurysm by promoting macrophage lipid peroxidation and migration via pyruvate kinase muscle isozyme 2. Redox Biology, 2022, 50, 102257.	3.9	18
2460	A new hope of CD133+ bone marrow stem cell for functional exercise capacity improvement in low ejection fraction coronary artery bypass graft patients: a clinical trial. Bali Medical Journal, 2021, 10, 229.	0.1	0
2461	Bone Marrow Lymphoid Niche Adaptation to Mature B Cell Neoplasms. Frontiers in Immunology, 2021, 12, 784691.	2.2	8
2462	Tumorâ€derived exosomes: Key players in nonâ€small cell lung cancer metastasis and their implication for targeted therapy. Molecular Carcinogenesis, 2022, 61, 269-280.	1.3	12
2463	Exosomal targeting and its potential clinical application. Drug Delivery and Translational Research, 2022, 12, 2385-2402.	3.0	57
2464	Supermeres are functional extracellular nanoparticles replete with disease biomarkers and therapeutic targets. Nature Cell Biology, 2021, 23, 1240-1254.	4.6	171
2465	Plasma-derived candidate biomarkers for detection of gallbladder carcinoma. Scientific Reports, 2021, 11, 23554.	1.6	10
2466	SKP-SC-EVs Mitigate Denervated Muscle Atrophy by Inhibiting Oxidative Stress and Inflammation and Improving Microcirculation. Antioxidants, 2022, 11, 66.	2.2	18
2467	Gut Microbiota Extracellular Vesicles as Signaling Molecules Mediating Host-Microbiota Communications. International Journal of Molecular Sciences, 2021, 22, 13166.	1.8	14
2468	The therapeutic potential of immune cell-derived exosomes as an alternative to adoptive cell transfer. BMB Reports, 2021, , .	1.1	2
2469	Process Design for Human Mesenchymal Stem Cell Products in Stirred-Tank Bioreactors. Cell Engineering, 2021, , 307-333.	0.4	2
2470	Plasma extracellular vesicle long RNA profiling identifies a diagnostic signature for stage I lung adenocarcinoma. Translational Lung Cancer Research, 2021, 11, 0-0.	1.3	2
2471	Enhanced Angiogenesis of Engineered Nanovesicle Derived from Adscs Through Activation of Pi3k/Akt Signaling for Adipose Tissue Regeneration. SSRN Electronic Journal, 0, , .	0.4	0
2472	Controlling the fate of regenerative cells with engineered platelet-derived extracellular vesicles. Nanoscale, 2022, 14, 6543-6556.	2.8	6
2473	In Vivo Visualized Tracking of Tumor-Derived Extracellular Vesicles Using CRISPR-Cas9 System. Technology in Cancer Research and Treatment, 2022, 21, 153303382210853.	0.8	12
2474	AdMSC-derived exosomes alleviate acute lung injury via transferring mitochondrial component to improve homeostasis of alveolar macrophages. Theranostics, 2022, 12, 2928-2947.	4.6	71
2475	Femtoliter Injection of ESCRT-III Proteins into Adhered Giant Unilamellar Vesicles. Bio-protocol, 2022, 12, e4328.	0.2	0

#	Article	IF	Citations
2476	Analysis of Single Extracellular Vesicles for Biomedical Applications with Especial Emphasis on Cancer Investigations. SSRN Electronic Journal, 0, , .	0.4	0
2477	Long non-coding RNA: Emerging role in Hepatocellular Carcinoma. , 2022, , 327-340.		0
2478	Surface Enhanced Raman Spectroscopy (SERS) Sensors for Clinical Analysis. , 2022, , .		0
2480	Extracellular Vesicles in Atherosclerosis Research. Methods in Molecular Biology, 2022, 2419, 349-359.	0.4	2
2481	Development of a Microfluidic Droplet Platform with an Antibody-Free Magnetic-Bead-Based Strategy for High Through-Put and Efficient Evs Isolation. SSRN Electronic Journal, 0, , .	0.4	0
2482	Extracellular vesicles delivering nuclear factor I/C for hard tissue engineering: Treatment of apical periodontitis and dentin regeneration. Journal of Tissue Engineering, 2022, 13, 204173142210840.	2.3	9
2483	Aptamer-mediated drug delivery system for cardiovascular diseases. , 2022, , 107-127.		0
2484	Tailoring ZnO nanowire crystallinity and morphology for label-free capturing of extracellular vesicles. Nanoscale, 2022, 14, 4484-4494.	2.8	9
2485	Tumor-derived exosomes in hypoxic microenvironment: release mechanism, biological function and clinical application. Journal of Cancer, 2022, 13, 1685-1694.	1.2	8
2486	The Pathogenic Sphingolipid Psychosine is Secreted in Extracellular Vesicles in the Brain of a Mouse Model of Krabbe Disease. ASN Neuro, 2022, 14, 175909142210878.	1.5	7
2487	Update on the role of extracellular vesicles in rheumatoid arthritis. Expert Reviews in Molecular Medicine, 2022, 24, e12.	1.6	14
2488	Nanomaterial-based biosensor developing as a route toward in vitro diagnosis of early ovarian cancer. Materials Today Bio, 2022, 13, 100218.	2.6	23
2489	Engineered NK Cells Against Cancer and Their Potential Applications Beyond. Frontiers in Immunology, 2022, 13, 825979.	2.2	14
2490	Enhancement strategies for mesenchymal stem cells and related therapies. Stem Cell Research and Therapy, 2022, 13, 75.	2.4	16
2492	Application of engineered extracellular vesicles for targeted tumor therapy. Journal of Biomedical Science, 2022, 29, 14.	2.6	29
2493	Extracellular vesicles from hypoxia-preconditioned mesenchymal stem cells alleviates myocardial injury by targeting thioredoxin-interacting protein-mediated hypoxia-inducible factor-1Î± pathway. World Journal of Stem Cells, 2022, 14, 183-199.	1.3	11
2494	Extracellular Vesicle Measurements with Nanoparticle Tracking Analysis: A Different Appreciation of Up and Down Secretion. International Journal of Molecular Sciences, 2022, 23, 2310.	1.8	8
2495	Exosomal circLPAR1 functions in colorectal cancer diagnosis and tumorigenesis through suppressing BRD4 via METTL3â€“eIF3h interaction. Molecular Cancer, 2022, 21, 49.	7.9	72

#	Article	IF	Citations
2496	Is Tissue Still the Issue? The Promise of Liquid Biopsy in Uveal Melanoma. Biomedicines, 2022, 10, 506.	1.4	12
2497	Exosomes and Other Extracellular Vesicles with High Therapeutic Potential: Their Applications in Oncology, Neurology, and Dermatology. Molecules, 2022, 27, 1303.	1.7	20
2498	Adipose-Derived Extracellular Vesicles: Systemic Messengers and Metabolic Regulators in Health and Disease. Frontiers in Physiology, 2022, 13, 837001.	1.3	17
2499	Exosomes in the Pathogenesis, Progression, and Treatment of Osteoarthritis. Bioengineering, 2022, 9, 99.	1.6	16
2500	Tumor-Derived Extracellular Vesicles Activate Normal Human Fibroblasts to a Cancer-Associated Fibroblast-Like Phenotype, Sustaining a Pro-Tumorigenic Microenvironment. Frontiers in Oncology, 2022, 12, 839880.	1.3	21
2501	The Potential Application of Extracellular Vesicles from Liquid Biopsies for Determination of Pharmacogene Expression. Pharmaceuticals, 2022, 15, 252.	1.7	2
2502	Emerging Concepts on the Role of Extracellular Vesicles and Its Cargo Contents in Glioblastoma-Microglial Crosstalk. Molecular Neurobiology, 2022, 59, 2822-2837.	1.9	10
2503	The Emerging Role of Macrophages in Chronic Obstructive Pulmonary Disease: The Potential Impact of Oxidative Stress and Extracellular Vesicle on Macrophage Polarization and Function. Antioxidants, 2022, 11, 464.	2.2	21
2504	Exosomes as a new frontier of cancer liquid biopsy. Molecular Cancer, 2022, 21, 56.	7.9	249
2505	Mesenchymal stem cell-based treatments for COVID-19: status and future perspectives for clinical applications. Cellular and Molecular Life Sciences, 2022, 79, 142.	2.4	24
2506	A Dual-Reporter Platform for Screening Tumor-Targeted Extracellular Vesicles. Pharmaceutics, 2022, 14, 475.	2.0	5
2507	Malnutrition and Biomarkers: A Journey through Extracellular Vesicles. Nutrients, 2022, 14, 1002.	1.7	5
2508	MiR-30 promotes fatty acid beta-oxidation and endothelial cell dysfunction and is a circulating biomarker of coronary microvascular dysfunction in pre-clinical models of diabetes. Cardiovascular Diabetology, 2022, 21, 31.	2.7	31
2509	T Lymphocyte and CAR-T Cell-Derived Extracellular Vesicles and Their Applications in Cancer Therapy. Cells, 2022, 11, 790.	1.8	17
2511	Exosomal microRNA-23a-3p contributes to the progression of cholangiocarcinoma by interaction with Dynamin3. Bioengineered, 2022, 13, 6208-6221.	1.4	9
2512	A novel bioactive postbiotics: from microbiota-derived extracellular nanoparticles to health promoting. Critical Reviews in Food Science and Nutrition, 2023, 63, 6885-6899.	5.4	4
2513	The Potential Roles of Exosomal Non-Coding RNAs in Hepatocellular Carcinoma. Frontiers in Oncology, 2022, 12, 790916.	1.3	13
2514	Specific expression and functions of circular RNAs. Cell Death and Differentiation, 2022, 29, 481-491.	5.0	114

#	Article	IF	Citations
2515	A peptide derived from the N-terminus of charged multivesicular body protein 6 (CHMP6) promotes the secretion of gene editing proteins via small extracellular vesicle production. Bioengineered, 2022, 13, 4702-4716.	1.4	6
2516	Chloroquine treatment induces secretion of autophagy-related proteins and inclusion of Atg8-family proteins in distinct extracellular vesicle populations. Autophagy, 2022, 18, 2547-2560.	4.3	18
2517	Mimicking Cellular Metabolism in Artificial Cells: Universal Molecule Transport across the Membrane through Vesicle Fusion. Analytical Chemistry, 2022, 94, 3811-3818.	3.2	14
2518	Removal of cellular protrusions. Seminars in Cell and Developmental Biology, 2022, 129, 126-134.	2.3	4
2519	BRAFV600E Induction in Thyrocytes Triggers Important Changes in the miRNAs Content and the Populations of Extracellular Vesicles Released in Thyroid Tumor Microenvironment. Biomedicines, 2022, 10, 755.	1.4	4
2520	Isolation of Extracellular Vesicles From Microalgae: A Renewable and Scalable Bioprocess. Frontiers in Bioengineering and Biotechnology, 2022, 10, 836747.	2.0	19
2522	A Novel, Cell-Free Therapy to Enter Our Hearts: The Potential Role of Small EVs in Prevention and Treatment of CVD. International Journal of Molecular Sciences, 2022, 23, 3662.	1.8	4
2523	Exosome-Mediated Therapeutic Strategies for Management of Solid and Hematological Malignancies. Cells, 2022, 11, 1128.	1.8	7
2524	Autologous, lentivirusâ€•modified, Tâ€•rapa cell â€œmicropharmaciesâ€•for lysosomal storage disorders. EMBO Molecular Medicine, 2022, 14, e14297.	3.3	5
2525	Potential Roles of Extracellular Vesicles as Diagnosis Biomarkers and Therapeutic Approaches for Cognitive Impairment in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, , 1-15.	1.2	1
2526	Extracellular Vesicles Linking Inflammation, Cancer and Thrombotic Risks. Frontiers in Cell and Developmental Biology, 2022, 10, 859863.	1.8	21
2527	Obtaining Reliable RT-qPCR Results in Molecular Diagnosticsâ€”MIQE Goals and Pitfalls for Transcriptional Biomarker Discovery. Life, 2022, 12, 386.	1.1	8
2528	Identification of RNA content of CHO-derived extracellular vesicles from a production process. Journal of Biotechnology, 2022, 348, 36-46.	1.9	8
2529	Challenges in the Development of Drug Delivery Systems Based on Small Extracellular Vesicles for Therapy of Brain Diseases. Frontiers in Pharmacology, 2022, 13, 839790.	1.6	19
2530	Development of an SPR-based binding assay for characterization of anti-CD20 antibodies to CD20 expressed on extracellular vesicles. Analytical Biochemistry, 2022, , 114635.	1.1	1
2531	Exosomes on Endometrial Cancer: A Biomarkers Treasure Trove?. Cancers, 2022, 14, 1733.	1.7	5
2532	Cancerâ€™s Camouflage â€” Microvesicle Shedding from Cholesterol-Rich Tumor Plasma Membranes Might Blindfold First-Responder Immunosurveillance Strategies. European Journal of Cell Biology, 2022, 101, 151219.	1.6	0
2533	Therapeutic Effects of Platelet-Derived Extracellular Vesicles in a Bioengineered Tendon Disease Model. International Journal of Molecular Sciences, 2022, 23, 2948.	1.8	11

#	Article	IF	Citations
2534	AKR1B1 promotes pancreatic cancer metastasis by regulating lysosome-guided exosome secretion. Nano Research, 0, , 1.	5.8	1
2535	An intra-cytoplasmic route for SARS-CoV-2 transmission unveiled by Helium-ion microscopy. Scientific Reports, 2022, 12, 3794.	1.6	14
2536	Engineering stem cells to produce exosomes with enhanced bone regeneration effects: an alternative strategy for gene therapy. Journal of Nanobiotechnology, 2022, 20, 135.	4.2	32
2537	Exosomes in Age-Related Cognitive Decline: Mechanistic Insights and Improving Outcomes. Frontiers in Aging Neuroscience, 2022, 14, 834775.	1.7	4
2538	Comparative Analysis of Extracellular Vesicles in Patients with Severe and Mild Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. Frontiers in Immunology, 2022, 13, 841910.	2.2	7
2539	Serum exosomal proteomics analysis of lung adenocarcinoma to discover new tumor markers. BMC Cancer, 2022, 22, 279.	1.1	7
2540	Noncoding RNAs of Extracellular Vesicles in Tumor Angiogenesis: From Biological Functions to Clinical Significance. Cells, 2022, 11, 947.	1.8	7
2541	Profile of circulating extracellular vesicles microRNA correlates with the disease activity in granulomatosis with polyangiitis. Clinical and Experimental Immunology, 2022, 208, 103-113.	1.1	2
2543	Exosomes and the cardiovascular system: role in cardiovascular health and disease. Journal of Physiology, 2023, 601, 4923-4936.	1.3	12
2544	Perspectives on Bovine Milk-Derived Extracellular Vesicles for Therapeutic Applications in Gut Health. Food Science of Animal Resources, 2022, 42, 197-209.	1.7	6
2545	Recruitment of DNA to tumor-derived microvesicles. Cell Reports, 2022, 38, 110443.	2.9	18
2546	Cellular Senescence and Ageing: Mechanisms and Interventions. Frontiers in Aging, 2022, 3, .	1.2	34
2547	Inhibition of extracellular vesicle biogenesis in tumor cells: A possible way to reduce tumorigenesis. Cell Biochemistry and Function, 2022, 40, 248-262.	1.4	15
2548	Pathways and Mechanisms of Cellular Cholesterol Effluxâ€”Insight From Imaging. Frontiers in Cell and Developmental Biology, 2022, 10, 834408.	1.8	19
2549	Potential clinical applications of exosomes in the diagnosis, treatment, and prognosis of cardiovascular diseases: a narrative review. Annals of Translational Medicine, 2022, 10, 372-372.	0.7	10
2550	Identification and functional characterization of multiple inositol polyphosphate phosphatase1 (Minpp1) isoform-2 in exosomes with potential to modulate tumor microenvironment. PLoS ONE, 2022, 17, e0264451.	1.1	4
2551	<scp>miRNA</scp>â€122â€5p in <scp>POI</scp> ovarianâ€derived exosomes promotes granulosa cell apoptosis by regulating <scp>BCL9</scp>. Cancer Medicine, 2022, 11, 2414-2426.	1.3	20
2552	Vesicle Induced Receptor Sequestration: Mechanisms behind Extracellular Vesicleâ€Based Protein Signaling. Advanced Science, 2022, 9, e2200201.	5.6	19

#	Article	IF	Citations
2553	Centerâ€“periphery structure in research communities. Quantitative Science Studies, 2022, 3, 289-314.	1.6	4
2554	Exosomes in the tumor microenvironment of cholangiocarcinoma: current status and future perspectives. Journal of Translational Medicine, 2022, 20, 117.	1.8	11
2555	L1CAMâ€associated extracellular vesicles: A systematic review of nomenclature, sources, separation, and characterization. , 2022, 1, .		39
2556	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Non-Coding RNA Therapeutic Vehicles in Autoimmune Diseases. Pharmaceutics, 2022, 14, 733.	2.0	10
2557	LAMP2A regulates the loading of proteins into exosomes. Science Advances, 2022, 8, eabm1140.	4.7	69
2558	Quality Management Tools on the Stage: Old but New Allies for Rigor and Standardization of Extracellular Vesicle Studies. Frontiers in Bioengineering and Biotechnology, 2022, 10, 826252.	2.0	5
2559	Identifying the Efficacy of Extracellular Vesicles in Osteogenic Differentiation: An EV-Lution in Regenerative Medicine. Frontiers in Dental Medicine, 2022, 3, .	0.5	1
2560	Effect of small extracellular vesicles derived from IL-10-overexpressing mesenchymal stem cells on experimental autoimmune uveitis. Stem Cell Research and Therapy, 2022, 13, 100.	2.4	14
2561	Boosting antitumor response with PSMA-targeted immunomodulatory VLPs, harboring costimulatory TNFSF ligands and GM-CSF cytokine. Molecular Therapy - Oncolytics, 2022, 24, 650-662.	2.0	2
2562	The Relation Between Extracellular Vesicles Released From Red Blood Cells, Their Cargo, and the Clearance by Macrophages. Frontiers in Physiology, 2022, 13, 783260.	1.3	2
2563	The Therapeutic Effect of iMSC-Derived Small Extracellular Vesicles on Tendinopathy Related Pain Through Alleviating Inflammation: An in vivo and in vitro Study. Journal of Inflammation Research, 2022, Volume 15, 1421-1436.	1.6	11
2564	Molecular Dynamics of Cytokine Interactions and Signalling of Mesenchymal Stem Cells Undergoing Directed Neural-like Differentiation. Life, 2022, 12, 392.	1.1	4
2565	Extracellular Vesicles in Type 1 Diabetes: A Versatile Tool. Bioengineering, 2022, 9, 105.	1.6	12
2566	Local regulation of extracellular vesicle traffic by the synaptic endocytic machinery. Journal of Cell Biology, 2022, 221, .	2.3	9
2567	Challenges and directions in studying cellâ€“cell communication by extracellular vesicles. Nature Reviews Molecular Cell Biology, 2022, 23, 369-382.	16.1	365
2568	The theranostic roles of extracellular vesicles in pregnancy disorders. Journal of Animal Reproduciton and Biotechnology, 2022, 37, 2-12.	0.3	4
2569	Microglial large extracellular vesicles propagate early synaptic dysfunction in Alzheimerâ€™s disease. Brain, 2022, 145, 2849-2868.	3.7	32
2570	Extracellular vesiculo-tubular structures associated with suberin deposition in plant cell walls. Nature Communications, 2022, 13, 1489.	5.8	17

#	Article	IF	Citations
2571	The microenvironmentâ€"a general hypothesis on the homeostatic function of extracellular vesicles. FASEB BioAdvances, 2022, 4, 284-297.	1.3	6
2572	Exosomal CagA from Helicobacter pylori aggravates intestinal epithelium barrier dysfunction in chronic colitis by facilitating Claudin-2 expression. Gut Pathogens, 2022, 14, 13.	1.6	12
2573	The Clinical Significance of Transfer RNAs Present in Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 3692.	1.8	8
2574	Xenogenic Neural Stem Cellâ€Derived Extracellular Nanovesicles Modulate Human Mesenchymal Stem Cell Fate and Reconstruct Metabolomic Structure. Advanced Biology, 2022, 6, e2101317.	1.4	5
2575	Use of patent information to characterize trends in the therapeutic applications of extracellular vesicles derived from mesenchymal stem cells (MSC-EVs). Recent Patents on Biotechnology, 2022, 16, .	0.4	0
2576	Mesenchymal Stromal Cell-Derived Extracellular Vesicles for Neonatal Lung Disease: Tiny Particles, Major Promise, Rigorous Requirements for Clinical Translation. Cells, 2022, 11, 1176.	1.8	9
2577	Engineered extracellular vesicles: potentials in cancer combination therapy. Journal of Nanobiotechnology, 2022, 20, 132.	4.2	22
2578	The good, the bad and the ugly: the impact of extracellular vesicles on the cardiovascular system. Journal of Physiology, 2023, 601, 4837-4852.	1.3	6
2579	Analysis of single extracellular vesicles for biomedical applications with especial emphasis on cancer investigations. TrAC - Trends in Analytical Chemistry, 2022, 152, 116604.	5.8	8
2580	Bioactivity and miRNome Profiling of Native Extracellular Vesicles in Human Induced Pluripotent Stem Cellâ€Cardiomyocyte Differentiation. Advanced Science, 2022, 9, e2104296.	5.6	14
2581	Therapeutically harnessing extracellular vesicles. Nature Reviews Drug Discovery, 2022, 21, 379-399.	21.5	263
2582	Saliva Based Liquid Biopsies in Head and Neck Cancer: How Far Are We From the Clinic?. Frontiers in Oncology, 2022, 12, 828434.	1.3	29
2583	Role of Exosomal <scp>miR</scp> â€223 in Chronic Skeletal Muscle Inflammation. Orthopaedic Surgery, 2022, , .	0.7	3
2584	CD9 and folate receptor overexpression are not sufficient for VSV-G-independent lentiviral transduction. PLoS ONE, 2022, 17, e0264642.	1.1	0
2585	Extracellular Vesicles From LPS-Treated Macrophages Aggravate Smooth Muscle Cell Calcification by Propagating Inflammation and Oxidative Stress. Frontiers in Cell and Developmental Biology, 2022, 10, 823450.	1.8	10
2586	Importance of Extracellular Vesicle Derived RNAs as Critical Colorectal Cancer Biomarkers. ACS Bio & Med Chem Au, 2022, 2, 222-235.	1.7	3
2587	Delivery of Stem Cell Secretome for Therapeutic Applications. ACS Applied Bio Materials, 2022, 5, 2009-2030.	2.3	11
2588	An emerging role of radiationâ€induced exosomes in hepatocellular carcinoma progression and radioresistance (Review). International Journal of Oncology, 2022, 60, .	1.4	7

#	Article	IF	Citations
2589	Vesicular MicroRNA as Potential Biomarkers of Viral Rebound. Cells, 2022, 11, 859.	1.8	7
2590	Melatonin Engineered Adipose-Derived Biomimetic Nanovesicles Regulate Mitochondrial Functions and Promote Myocardial Repair in Myocardial Infarction. Frontiers in Cardiovascular Medicine, 2022, 9, 789203.	1.1	8
2591	The Metalloprotease-Disintegrin ADAM8 Alters the Tumor Suppressor miR-181a-5p Expression Profile in Glioblastoma Thereby Contributing to Its Aggressiveness. Frontiers in Oncology, 2022, 12, 826273.	1.3	11
2592	Understanding microRNAs in the Context of Infection to Find New Treatments against Human Bacterial Pathogens. Antibiotics, 2022, 11, 356.	1.5	5
2593	Extracellular Vesicles in the Pathogenesis, Treatment, and Diagnosis of Spinal Cord Injury: A Mini-Review. Current Stem Cell Research and Therapy, 2022, 17, 317-327.	0.6	4
2594	Caspases help to spread the message via extracellular vesicles. FEBS Journal, 2023, 290, 1954-1972.	2.2	6
2595	Proteomic and Biochemical Analysis of Extracellular Vesicles Isolated from Blood Serum of Patients with Melanoma. Separations, 2022, 9, 86.	1.1	1
2596	Dopey proteins are essential but overlooked regulators of membrane trafficking. Journal of Cell Science, 2022, 135, .	1.2	4
2597	The Roles of Cardiac Fibroblasts and Endothelial Cells in Myocarditis. Frontiers in Cardiovascular Medicine, 2022, 9, 882027.	1.1	10
2598	VPS28 regulates brain vasculature by controlling neuronal VEGF trafficking through extracellular vesicle secretion. IScience, 2022, 25, 104042.	1.9	4
2599	The role of extracellular vesicles in the transfer of drug resistance competences to cancer cells. Drug Resistance Updates, 2022, 62, 100833.	6.5	29
2600	Extracellular vesicles derived from mesenchymal stem cells alleviate neuroinflammation and mechanical allodynia in interstitial cystitis rats by inhibiting NLRP3 inflammasome activation. Journal of Neuroinflammation, 2022, 19, 80.	3.1	29
2601	Role of exosomal non-coding RNAs from tumor cells and tumor-associated macrophages in the tumor microenvironment. Molecular Therapy, 2022, 30, 3133-3154.	3.7	73
2602	Long-chain ceramides are cell non-autonomous signals linking lipotoxicity to endoplasmic reticulum stress in skeletal muscle. Nature Communications, 2022, 13, 1748.	5.8	21
2603	Biophysical and molecular mechanisms of ESCRT functions, and their implications for disease. Current Opinion in Cell Biology, 2022, 75, 102062.	2.6	30
2604	Mesenchymal Stem Cell-Derived Extracellular Vesicles for the Treatment of Bronchopulmonary Dysplasia. Frontiers in Pediatrics, 2022, 10, 852034.	0.9	8
2605	Extracellular vesicle proteomic analysis leads to the discovery of HDGF as a new factor in multiple myeloma biology. Blood Advances, 2022, , .	2.5	1
2606	Hypoxia Induced Changes of Exosome Cargo and Subsequent Biological Effects. Frontiers in Immunology, 2022, 13, 824188.	2.2	39

#	Article	IF	Citations
2607	Mesenchymal Stem Cell-Derived Extracellular Vesicles in the Management of COVID19-Associated Lung Injury: A Review on Publications, Clinical Trials and Patent Landscape. Tissue Engineering and Regenerative Medicine, 2022, 19, 659-673.	1.6	11
2608	Exercise, healthy ageing, and the potential role of small extracellular vesicles. Journal of Physiology, 2023, 601, 4937-4951.	1.3	9
2609	Potential roles of exosomal non-coding RNAs in chemoresistance in pancreatic cancer. World Chinese Journal of Digestology, 2022, 30, 303-309.	0.0	0
2610	Tiny in size, big in impact: Extracellular vesicles as modulators of mood, anxiety and neurodevelopmental disorders. Neuroscience and Biobehavioral Reviews, 2022, 135, 104582.	2.9	9
2611	Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations. Neurophotonics, 2022, 9, 021903.	1.7	19
2612	Emerging Roles of Extracellular Vesicle-Delivered Circular RNAs in Atherosclerosis. Frontiers in Cell and Developmental Biology, 2022, 10, 804247.	1.8	6
2613	Self-powered smart patch promotes skin nerve regeneration and sensation restoration by delivering biological-electrical signals in program. Biomaterials, 2022, 283, 121413.	5.7	17
2614	Application of exosomes in the diagnosis and treatment of pancreatic diseases. Stem Cell Research and Therapy, 2022, 13, 153.	2.4	8
2616	Advances in Immunomodulation and Immune Engineering Approaches to Improve Healing of Extremity Wounds. International Journal of Molecular Sciences, 2022, 23, 4074.	1.8	6
2617	The global trend of exosome in diabetes research: A bibliometric approach. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2022, 16, 102450.	1.8	8
2618	Tackling the effects of extracellular vesicles in fibrosis. European Journal of Cell Biology, 2022, 101, 151221.	1.6	5
2619	Exosomal miRNA-181a-5p from the cells of the hair follicle dermal papilla promotes the hair follicle growth and development via the Wnt/Î²-catenin signaling pathway. International Journal of Biological Macromolecules, 2022, 207, 110-120.	3.6	24
2620	The RNA-binding protein HuR in human cancer: A friend or foe?. Advanced Drug Delivery Reviews, 2022, 184, 114179.	6.6	41
2621	Tumor-derived exosomes: the emerging orchestrators in melanoma. Biomedicine and Pharmacotherapy, 2022, 149, 112832.	2.5	11
2622	Inhalation of MSC-EVs is a noninvasive strategy for ameliorating acute lung injury. Journal of Controlled Release, 2022, 345, 214-230.	4.8	35
2623	Extracellular vesicles released after cranial radiation: An insight into an early mechanism of brain injury. Brain Research, 2022, 1782, 147840.	1.1	5
2624	Extracellular vesicle-mediated bidirectional communication between heart and other organs. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H769-H784.	1.5	19
2625	Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1. Biosensors and Bioelectronics, 2022, 204, 113879.	5.3	28

#	Article	IF	Citations
2626	Mitochondrial DNA-dependent inflammation in kidney diseases. International Immunopharmacology, 2022, 107, 108637.	1.7	2
2627	Identification of potential biomarkers for digestive system cancers from serum-derived extracellular vesicle RNA. Clinica Chimica Acta, 2022, 531, 36-47.	0.5	2
2628	Extracellular vesicles enriched with an endothelial cell pro-survival microRNA affects skin tissue regeneration. Molecular Therapy - Nucleic Acids, 2022, 28, 307-327.	2.3	7
2629	Eliminating the original cargos of glioblastoma cell-derived small extracellular vesicles for efficient drug delivery to glioblastoma with improved biosafety. Bioactive Materials, 2022, 16, 204-217.	8.6	10
2630	Primary Aldosteronism, Aldosterone, and Extracellular Vesicles. Endocrinology, 2022, 163, .	1.4	3
2631	Macrophage Polarization and Its Role in Liver Disease. Frontiers in Immunology, 2021, 12, 803037.	2.2	179
2632	Exosomal circRNAs: Emerging Players in Tumor Metastasis. Frontiers in Cell and Developmental Biology, 2021, 9, 786224.	1.8	22
2633	Extracellular Vesicles: Potential Role in Remote Signaling and Inflammation in Trypanosoma cruzi-Triggered Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 798054.	1.8	10
2634	VPS32, a member of the ESCRT complex, modulates adherence to host cells in the parasite Trichomonas vaginalis by affecting biogenesis and cargo sorting of released extracellular vesicles. Cellular and Molecular Life Sciences, 2022, 79, 11.	2.4	8
2635	Klotho and Mesenchymal Stem Cells: A Review on Cell and Gene Therapy for Chronic Kidney Disease and Acute Kidney Disease. Pharmaceutics, 2022, 14, 11.	2.0	11
2636	The role of the metabolite cargo of extracellular vesicles in tumor progression. Cancer and Metastasis Reviews, 2021, 40, 1203-1221.	2.7	21
2638	Quantification and Phenotypic Characterization of Extracellular Vesicles from Patients with Acute Myeloid and B-Cell Lymphoblastic Leukemia. Cancers, 2022, 14, 56.	1.7	2
2640	Extracellular Vesicles in Musculoskeletal Regeneration: Modulating the Therapy of the Future. Cells, 2022, 11, 43.	1.8	10
2641	The Bloodâ€“Brain Barrier, an Evolving Concept Based on Technological Advances and Cellâ€“Cell Communications. Cells, 2022, 11, 133.	1.8	16
2642	Syncytiotrophoblastâ€derived extracellular vesicles carry apolipoproteinâ€E and affect lipid synthesis of liver cells in vitro. Journal of Cellular and Molecular Medicine, 2022, 26, 123-132.	1.6	6
2643	Extracellular Vesicles Mediate Communication between Endothelial and Vascular Smooth Muscle Cells. International Journal of Molecular Sciences, 2022, 23, 331.	1.8	11
2644	On the Road to Accurate Protein Biomarkers in Prostate Cancer Diagnosis and Prognosis: Current Status and Future Advances. International Journal of Molecular Sciences, 2021, 22, 13537.	1.8	11
2645	Diagnostic Impact of Radiological Findings and Extracellular Vesicles: Are We Close to Radiovesicolomics?. Biology, 2021, 10, 1265.	1.3	3

#	Article	IF	Citations
2646	Plasma extracellular vesicle long RNA profiles in the diagnosis and prediction of treatment response for breast cancer. Npj Breast Cancer, 2021, 7, 154.	2.3	13
2647	Extracellular Vesicles Induce an Aggressive Phenotype in Luminal Breast Cancer Cells Via PKM2 Phosphorylation. Frontiers in Oncology, 2021, 11, 785450.	1.3	6
2648	Technological Approaches in the Analysis of Extracellular Vesicle Nucleotide Sequences. Frontiers in Bioengineering and Biotechnology, 2021, 9, 787551.	2.0	5
2650	A Molecular Analysis of Cytokine Content across Extracellular Vesicles, Secretions, and Intracellular Space from Different Site-Specific Adipose-Derived Stem Cells. International Journal of Molecular Sciences, 2022, 23, 397.	1.8	2
2651	Stem Cell-based Therapeutic and Diagnostic Approaches in Alzheimer's Disease. Current Neuropharmacology, 2022, 20, 1093-1115.	1.4	8
2653	Profiling and promise of supermeres. Nature Cell Biology, 2021, 23, 1217-1219.	4.6	18
2654	Regulating the production and biological function of small extracellular vesicles: current strategies, applications and prospects. Journal of Nanobiotechnology, 2021, 19, 422.	4.2	13
2655	Extracellular vesicles derived from tumour cells as a trigger of energy crisis in the skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 481-494.	2.9	18
2656	The Role of Outer Membrane Protein(s) Harboring SLH/OprB-Domains in Extracellular Vesiclesâ€™ Production in Synechocystis sp. PCC 6803. Plants, 2021, 10, 2757.	1.6	3
2657	Differentially Expressed Extracellular Vesicle, Exosome and Non-Exosome miRNA Profile in High and Low Tick-Resistant Beef Cattle. Frontiers in Cellular and Infection Microbiology, 2021, 11, 780424.	1.8	5
2658	Mesenchymal Stem Cell Senescence and Osteogenesis. Medicina (Lithuania), 2022, 58, 61.	0.8	7
2659	Autophagy and ncRNAs: Dangerous Liaisons in the Crosstalk between the Tumor and Its Microenvironment. Cancers, 2022, 14, 20.	1.7	5
2660	Recent advances of fluorescent biosensors based on cyclic signal amplification technology in biomedical detection. Journal of Nanobiotechnology, 2021, 19, 403.	4.2	25
2662	LncRNA Expression Profiles in Systemic Lupus Erythematosus and Rheumatoid Arthritis: Emerging Biomarkers and Therapeutic Targets. Frontiers in Immunology, 2021, 12, 792884.	2.2	19
2664	Spinal cord injury target-immunotherapy with TNF-Î± autoregulated and feedback-controlled human umbilical cord mesenchymal stem cell derived exosomes remodelled by CRISPR/Cas9 plasmid. Materials Science and Engineering C, 2022, 133, 112624.	3.8	14
2665	Improving Isolation of Extracellular Vesicles by Utilizing Nanomaterials. Membranes, 2022, 12, 55.	1.4	7
2666	Novel biomarker and drug delivery systems for theranosticsÂâ€“ extracellular vesicles. Bio-Algorithms and Med-Systems, 2022, 17, 301-309.	1.0	10
2667	Extracellular vesicles from human hepatic progenitor cells accelerate deep frostbite wound healing by promoting fibroblasts proliferation and inhibiting apoptosis. Journal of Tissue Viability, 2022, 31, 286-293.	0.9	1

#	Article	IF	Citations
2669	Stem Cells from Human Exfoliated Deciduous Teeth and their Promise as Preventive and Therapeutic Strategies for Neurological Diseases and Injuries. Current Stem Cell Research and Therapy, 2022, 17, 527-536.	0.6	2
2670	Challenges for the Development of Extracellular Vesicle-Based Nucleic Acid Medicines. Cancers, 2021, 13, 6137.	1.7	11
2671	Extracellular Vesicle Proteome in Prostate Cancer: A Comparative Analysis of Mass Spectrometry Studies. International Journal of Molecular Sciences, 2021, 22, 13605.	1.8	3
2672	Mesenchymal stem cell-derived exosomes for gastrointestinal cancer. World Journal of Gastrointestinal Oncology, 2021, 13, 1981-1996.	0.8	10
2673	Neutrophil-Derived Extracellular Vesicles Activate Platelets after Pneumolysin Exposure. Cells, 2021, 10, 3581.	1.8	12
2675	CRISPR/Cas9 Genome Editing vs. Over-Expression for Fluorescent Extracellular Vesicle-Labeling: A Quantitative Analysis. International Journal of Molecular Sciences, 2022, 23, 282.	1.8	7
2676	Emerging Role of Extracellular Vesicles and Cellular Communication in Metastasis. Cells, 2021, 10, 3429.	1.8	27
2677	Quantitative Proteomic Analysis of Plasma Exosomes to Identify the Candidate Biomarker of Imatinib Resistance in Chronic Myeloid Leukemia Patients. Frontiers in Oncology, 2021, 11, 779567.	1.3	15
2678	Cytochalasin B Treatment and Osmotic Pressure Enhance the Production of Extracellular Vesicles (EVs) with Improved Drug Loading Capacity. Nanomaterials, 2022, 12, 3.	1.9	10
2681	Circulating extracellular vesicles activate the pyroptosis pathway in the brain following ventilation-induced lung injury. Journal of Neuroinflammation, 2021, 18, 310.	3.1	13
2682	Mesenchymal Stem Cell-Derived Extracellular Vesicle-Shuttled microRNA-302d-3p Represses Inflammation and Cardiac Remodeling Following Acute Myocardial Infarction. Journal of Cardiovascular Translational Research, 2022, 15, 754-771.	1.1	15
2684	Exosomes: Key tools for cancer liquid biopsy. Biocell, 2022, 46, 2167-2176.	0.4	3
2685	An artificial antibody for exosome capture by dull template imprinting technology. Journal of Materials Chemistry B, 2022, 10, 6655-6663.	2.9	5
2686	Lipidomic analysis identifies age-disease-related changes and potential new biomarkers in brain-derived extracellular vesicles from metachromatic leukodystrophy mice. Lipids in Health and Disease, 2022, 21, 32.	1.2	5
2687	A functional corona around extracellular vesicles enhances angiogenesis, skin regeneration and immunomodulation. Journal of Extracellular Vesicles, 2022, 11, e12207.	5.5	70
2689	Extracellular vesicles from triple negative breast cancer promote pro-inflammatory macrophages associated with better clinical outcome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2107394119.	3.3	39
2690	VAP-A and its binding partner CERT drive biogenesis of RNA-containing extracellular vesicles at ER membrane contact sites. Developmental Cell, 2022, 57, 974-994.e8.	3.1	49
2691	Recent advances in optical label-free characterization of extracellular vesicles. Nanophotonics, 2022, 11, 2827-2863.	2.9	9

#	Article	IF	Citations
2692	Extracellular Vesicles and Transforming Growth Factor Î² Signaling in Cancer. Frontiers in Cell and Developmental Biology, 2022, 10, 849938.	1.8	14
2693	Pathogenic Extracellular Vesicle (EV) Signaling in Amyotrophic Lateral Sclerosis (ALS). Neurotherapeutics, 2022, 19, 1119-1132.	2.1	12
2694	Target-Specific Exosome Isolation through Aptamer-Based Microfluidics. Biosensors, 2022, 12, 257.	2.3	14
2695	Platelet-Derived Exosomes and Atherothrombosis. Frontiers in Cardiovascular Medicine, 2022, 9, 886132.	1.1	8
2696	SEEDING to Enable Sensitive Electrochemical Detection of Biomarkers in Undiluted Biological Samples. Advanced Materials, 2022, 34, e2200981.	11.1	13
2697	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement. Endocrine Reviews, 2022, 43, 441-468.	8.9	40
2698	Bone Mesenchymal Stem Cell-Derived Extracellular Vesicles Containing Long Noncoding RNA NEAT1 Relieve Osteoarthritis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-21.	1.9	9
2699	Insight into Extracellular Vesicle-Cell Communication: From Cell Recognition to Intracellular Fate. Cells, 2022, 11, 1375.	1.8	45
2700	The Biological Functions and Clinical Values of Exosomal Circular RNAs in Hepatocellular Carcinoma. Frontiers in Oncology, 2022, 12, 885214.	1.3	2
2701	Cellular membrane-based vesicles displaying a reconstructed B cell maturation antigen for multiple myeloma therapy by dual targeting APRIL and BAFF. Acta Biomaterialia, 2022, 143, 406-417.	4.1	2
2703	The Role of Exosomes and Exosomal Noncoding RNAs From Different Cell Sources in Spinal Cord Injury. Frontiers in Cellular Neuroscience, 2022, 16, 882306.	1.8	9
2704	Advances in mast cell biology. Journal of Allergy and Clinical Immunology, 2022, 149, 1919-1925.	1.5	8
2705	Current and Developing Liquid Biopsy Techniques for Breast Cancer. Cancers, 2022, 14, 2052.	1.7	19
2706	Microfluidic Separation, Detection, and Engineering of Extracellular Vesicles for Cancer Diagnostics and Drug Delivery. Accounts of Materials Research, 2022, 3, 498-510.	5.9	27
2707	Mesenchymal Stromal Cell-Derived Extracellular Vesicles as Biological Carriers for Drug Delivery in Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2022, 10, 882545.	2.0	4
2708	Diffuse Large B-Cell Lymphoma Promotes Endothelial-to-Mesenchymal Transition via WNT10A/Beta-Catenin/Snail Signaling. Frontiers in Oncology, 2022, 12, 871788.	1.3	1
2710	The Endothelium as a Hub for Cellular Communication in Atherogenesis: Is There Directionality to the Message?. Frontiers in Cardiovascular Medicine, 2022, 9, 888390.	1.1	5
2711	Aptamerâ€‘based therapy for targeting key mediators of cancer metastasis (Review). International Journal of Oncology, 2022, 60, .	1.4	5

#	Article	IF	Citations
2712	Message in a Bottle: Endothelial Cell Regulation by Extracellular Vesicles. Cancers, 2022, 14, 1969.	1.7	11
2713	Neuroprotective Potential of Dendritic Cells and Sirtuins in Multiple Sclerosis. International Journal of Molecular Sciences, 2022, 23, 4352.	1.8	15
2715	Challenges and Opportunities Associated With Platelets in Pancreatic Cancer. Frontiers in Oncology, 2022, 12, 850485.	1.3	4
2716	Engineered extracellular vesicles for bone therapy. Nano Today, 2022, 44, 101487.	6.2	32
2717	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. Coordination Chemistry Reviews, 2022, 463, 214538.	9.5	14
2718	Commonly used methods for extracellular vesiclesâ€™ enrichment: Implications in downstream analyses and use. European Journal of Cell Biology, 2022, 101, 151227.	1.6	27
2801	Novel Pharmacological Targets for Pulmonary Arterial Hypertension. , 2021, 11, 2297-2349.		5
2802	Extracellular Vesicles and Their Use as Vehicles of Immunogens. Methods in Molecular Biology, 2022, 2504, 177-198.	0.4	0
2803	Adipose Mesenchymal Stem Cell-Derived Exosomes Promote Wound Healing Through the WNT/Î²-catenin Signaling Pathway in Dermal Fibroblasts. Stem Cell Reviews and Reports, 2022, 18, 2059-2073.	1.7	20
2804	Emerging Roles of Extracellular Non-Coding RNAs in Vascular Diseases. Journal of Cardiovascular Translational Research, 2022, 15, 492-499.	1.1	9
2805	Biosensing Extracellular Vesicle Subpopulations in Neurodegenerative Disease Conditions. ACS Sensors, 2022, 7, 1657-1665.	4.0	6
2806	Asteltoxin inhibits extracellular vesicle production through AMPK/mTOR-mediated activation of lysosome function. Scientific Reports, 2022, 12, 6674.	1.6	9
2807	A time to heal: microRNA and circadian dynamics in cutaneous wound repair. Clinical Science, 2022, 136, 579-597.	1.8	9
2808	Circadian regulation of protein cargo in extracellular vesicles. Science Advances, 2022, 8, eabc9061.	4.7	26
2812	Extracellular Vesicles and Interleukins: Novel Frontiers in Diagnostic and Therapeutic for Cancer. Frontiers in Immunology, 2022, 13, 836922.	2.2	6
2814	Recent research on the mechanism of mesenchymal stem cells in the treatment of bronchopulmonary dysplasia.. Chinese Journal of Contemporary Pediatrics, 2022, 24, 108-114.	0.2	0
2815	Exosomal circRNAs: a new communication method in cancer.. American Journal of Translational Research (discontinued), 2021, 13, 12913-12928.	0.0	0
2816	The emerging role of extracellular vesicles in retinal diseases.. American Journal of Translational Research (discontinued), 2021, 13, 13227-13245.	0.0	0

#	Article	IF	Citations
2817	The role of the oviduct and extracellular vesicles during early embryo development in bovine. Animal Reproduction, 2022, 19, e20220015.	0.4	5
2818	Decoding the functional role of extracellular vesicles in hepatocellular carcinoma: implications in clinical theranostics. , 2022, , 301-339.		0
2819	Microfluidic harvesting of breast cancer tumor spheroid-derived extracellular vesicles from immobilized microgels for single-vesicle analysis. Lab on A Chip, 2022, 22, 2502-2518.	3.1	8
2820	Recent perspectives on therapeutic significance of microRNAs in hepatocellular carcinoma. , 2022, , 377-400.		0
2821	Exosomes Participate in the Radiotherapy Resistance of Cancers. Radiation Research, 2022, 197, 559-565.	0.7	5
2822	Exosome and Breast Cancer. Research Journal of Pharmacy and Technology, 2022, , 1393-1397.	0.2	2
2823	å·¥ç¨‹åŒ–ç»†èƒžå–Šæ³¡ä¸Žç™Œç—‡æ²»ç——. Scientia Sinica Vitae, 2022, , .	0.1	0
2824	Hypoxic Cell-Derived Extracellular Vesicles Aggravate Rectal Injury Following Radiotherapy via MiR-122-5p. Frontiers in Cell and Developmental Biology, 2022, 10, 892575.	1.8	0
2825	The Emerging Role of Extracellular Vesicle Derived From Neurons/Neurogliocytes in Central Nervous System Diseases: Novel Insights Into Ischemic Stroke. Frontiers in Pharmacology, 2022, 13, 890698.	1.6	5
2826	Characterization of Extra-Cellular Vesicle Dielectrophoresis and Estimation of Its Electric Properties. Sensors, 2022, 22, 3279.	2.1	6
2827	Biomarkers of Cancer Stem Cells for Experimental Research and Clinical Application. Journal of Personalized Medicine, 2022, 12, 715.	1.1	7
2828	Extracellular Vesicles and Immunomodulation in Mosquitoes and Ticks. Encyclopedia, 2022, 2, 873-881.	2.4	0
2829	Mechanisms and Clinical Implications of Endothelial Dysfunction in Arterial Hypertension. Journal of Cardiovascular Development and Disease, 2022, 9, 136.	0.8	24
2830	The Interplay Between Autophagy and RNA Homeostasis: Implications for Amyotrophic Lateral Sclerosis and Frontotemporal Dementia. Frontiers in Cell and Developmental Biology, 2022, 10, 838402.	1.8	3
2831	Lymphatic and Blood Endothelial Extracellular Vesicles: A Story Yet to Be Written. Life, 2022, 12, 654.	1.1	8
2832	Pathological Contribution of Extracellular Vesicles and Their MicroRNAs to Progression of Chronic Liver Disease. Biology, 2022, 11, 637.	1.3	5
2833	Different Contribution of Monocyte- and Platelet-Derived Microvesicles to Endothelial Behavior. International Journal of Molecular Sciences, 2022, 23, 4811.	1.8	1
2834	Extracellular Vesicles and the Inflammasome: An Intricate Network Sustaining Chemoresistance. Frontiers in Oncology, 2022, 12, 888135.	1.3	2

#	Article	IF	Citations
2835	Gp350-anchored extracellular vesicles: promising vehicles for delivering therapeutic drugs of B cell malignancies. Asian Journal of Pharmaceutical Sciences, 2022, 17, 462-474.	4.3	6
2836	Exosomal lncRNA LINC01356 Derived From Brain Metastatic Nonsmall-Cell Lung Cancer Cells Remodels the Bloodâ€“Brain Barrier. Frontiers in Oncology, 2022, 12, 825899.	1.3	7
2837	Unconventional Pathways of Protein Secretion: Mammals vs. Plants. Frontiers in Cell and Developmental Biology, 2022, 10, 895853.	1.8	10
2838	Oxidative-Induced Angiogenesis Is Modulated by Small Extracellular Vesicle miR-302a-3p Cargo in Retinal Pigment Epithelium Cells. Antioxidants, 2022, 11, 818.	2.2	7
2839	The Emerging Role of Extracellular Vesicles Detected in Different Biological Fluids in COPD. International Journal of Molecular Sciences, 2022, 23, 5136.	1.8	5
2840	Biogenesis of JC polyomavirus associated extracellular vesicles. , 2022, 1, .		5
2841	Extracellular Vesicles in the Progression and Therapeutic Resistance of Nasopharyngeal Carcinoma. Cancers, 2022, 14, 2289.	1.7	8
2842	Comparison of separation methods for immunomodulatory extracellular vesicles from helminths. , 2022, 1, .		9
2843	Extracellular Vesiclesâ€"A New Potential Player in the Immunology of Renal Cell Carcinoma. Journal of Personalized Medicine, 2022, 12, 772.	1.1	1
2844	Hypothalamic AMPK as a possible target for energy balance-related diseases. Trends in Pharmacological Sciences, 2022, 43, 546-556.	4.0	25
2845	The emerging landscape of exosomal CircRNAs in solid cancers and hematological malignancies. Biomarker Research, 2022, 10, 28.	2.8	9
2846	The pathobiology of platelet and megakaryocyte extracellular vesicles: A (c)lot has changed. Journal of Thrombosis and Haemostasis, 2022, 20, 1550-1558.	1.9	8
2847	Therapeutic role of mesenchymal stem cell-derived exosomes in respiratory disease. Stem Cell Research and Therapy, 2022, 13, 194.	2.4	15
2848	Role of Adipose Tissue Derived Exosomes in Metabolic Disease. Frontiers in Endocrinology, 2022, 13, .	1.5	13
2849	Effect of Extracellular Vesicles From Multiple Cells on Vascular Smooth Muscle Cells in Atherosclerosis. Frontiers in Pharmacology, 2022, 13, .	1.6	6
2850	Role of the Pro-Inflammatory Tumor Microenvironment in Extracellular Vesicle-Mediated Transfer of Therapy Resistance. Frontiers in Oncology, 2022, 12, .	1.3	7
2851	Increased Microtubule Growth Triggered by Microvesicle-mediated Paracrine Signaling is Required for Melanoma Cancer Cell Invasion. Cancer Research Communications, 2022, 2, 366-379.	0.7	2
2852	Actin-related protein 2/3 complex subunit 2-enriched extracellular vesicles drive liver cancer metastasis. Hepatology International, 2022, 16, 603-613.	1.9	5

#	Article	IF	Citations
2853	Urinary extracellular vesicles contain mature transcriptome enriched in circular and long noncoding RNAs with functional significance in prostate cancer. Journal of Extracellular Vesicles, 2022, 11, e12210.	5.5	14
2854	Preconditioning Methods to Improve Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Bone Regenerationâ€"A Systematic Review. Biology, 2022, 11, 733.	1.3	6
2855	Microparticles in diabetic kidney disease. Clinica Chimica Acta, 2022, 531, 418-425.	0.5	1
2856	Mesenchymal stem cell-derived exosomes affect macrophage phenotype: a cell-free strategy for the treatment of skeletal muscle disorders. Current Molecular Medicine, 2022, 22, .	0.6	4
2857	Customizing the extracellular vesicles release and effect by strategizing surface functionalization of titanium. Scientific Reports, 2022, 12, 7399.	1.6	1
2858	Current Knowledge on Exosome Biogenesis, Cargo-Sorting Mechanism and Therapeutic Implications. Membranes, 2022, 12, 498.	1.4	62
2859	Interaction Between microRNAs and Myeloid-Derived Suppressor Cells in Tumor Microenvironment. Frontiers in Immunology, 2022, 13, .	2.2	4
2860	Extracellular vesicles: Emerging tools as therapeutic agent carriers. Acta Pharmaceutica Sinica B, 2022, 12, 3822-3842.	5.7	33
2861	Precision size and refractive index analysis of weakly scattering nanoparticles in polydispersions. Nature Methods, 2022, 19, 586-593.	9.0	45
2863	Superâ€Resolution Vibrational Imaging Using Expansion Stimulated Raman Scattering Microscopy. Advanced Science, 2022, 9, e2200315.	5.6	25
2864	M1 Macrophage-Derived Exosome-Mimetic Nanovesicles with an Enhanced Cancer Targeting Ability. ACS Applied Bio Materials, 2022, 5, 2862-2869.	2.3	10
2865	Approaches and materials for endocytosis-independent intracellular delivery of proteins. Biomaterials, 2022, 286, 121567.	5.7	19
2866	Extracellular Vesicles from Steatotic Hepatocytes Provoke Pro-Fibrotic Responses in Cultured Stellate Cells. Biomolecules, 2022, 12, 698.	1.8	3
2867	Latest Advances in Biomimetic Cell Membrane-Coated and Membrane-Derived Nanovectors for Biomedical Applications. Nanomaterials, 2022, 12, 1543.	1.9	16
2868	An Emerging Frontier in Intercellular Communication: Extracellular Vesicles in Regeneration. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	12
2869	UVB-Induced Microvesicle Particle Release and Its Effects on the Cutaneous Microenvironment. Frontiers in Immunology, 2022, 13, .	2.2	10
2870	The development of extracellular vesicle markers for the fungal phytopathogen Colletotrichum higginsianum. Journal of Extracellular Vesicles, 2022, 11, e12216.	5.5	8
2871	Ethanol Induces Secretion of Proinflammatory Extracellular Vesicles That Inhibit Adult Hippocampal Neurogenesis Through G9a/GLP-Epigenetic Signaling. Frontiers in Immunology, 2022, 13, .	2.2	7

#	Article	IF	Citations
2872	Amphiphilic and Zwitterionic Multi Arylpyrroles with Nearâ€Infrared Aggregationâ€Induced Emission for Cell Membrane Imaging. ChemNanoMat, 2022, 8, .	1.5	1
2873	Exosomal miR-140â€“3p and miR-143â€“3p from TGF-Î²1-treated pancreatic stellate cells target BCL2 mRNA to increase Î²-cell apoptosis. Molecular and Cellular Endocrinology, 2022, 551, 111653.	1.6	5
2874	Engineered extracellular vesicles and their mimics in cardiovascular diseases. Journal of Controlled Release, 2022, 347, 27-43.	4.8	21
2875	Functionalized nanomaterials in separation and analysis of extracellular vesicles and their contents. TrAC - Trends in Analytical Chemistry, 2022, 153, 116652.	5.8	8
2876	Microscopic characterization reveals the diversity of EVs secreted by GFP-HAS3 expressing MCF7 cells. European Journal of Cell Biology, 2022, 101, 151235.	1.6	2
2878	Preconditioning and Engineering Strategies for Improving the Efficacy of Mesenchymal Stem Cell-Derived Exosomes in Cell-Free Therapy. Stem Cells International, 2022, 2022, 1-18.	1.2	38
2879	Fasciola hepatica Gastrodermal Cells Selectively Release Extracellular Vesicles via a Novel Atypical Secretory Mechanism. International Journal of Molecular Sciences, 2022, 23, 5525.	1.8	9
2880	Extracellular Vesicleâ€“Based Multianalyte Liquid Biopsy as a Diagnostic for Cancer. Annual Review of Biomedical Data Science, 2022, 5, 269-292.	2.8	6
2881	Filamin FLN-2 promotes MVB biogenesis by mediating vesicle docking on the actin cytoskeleton. Journal of Cell Biology, 2022, 221, .	2.3	5
2882	Exosomes in the Field of Neuroscience: A Scientometric Study and Visualization Analysis. Frontiers in Neurology, 2022, 13, .	1.1	6
2883	Boosting extracellular vesicle secretion. Biotechnology Advances, 2022, 59, 107983.	6.0	48
2884	Isolation and characterization of human uterine fluid lavage-derived extracellular vesicles by different methods: A comparative study for minimally invasive endometrial receptivity assessment. Reproductive BioMedicine Online, 2022, , .	1.1	1
2885	Exploring Endothelial Colony-Forming Cells to Better Understand the Pathophysiology of Disease: An Updated Review. Stem Cells International, 2022, 2022, 1-14.	1.2	4
2886	Zebrafish Melanoma-Derived Interstitial EVs Are Carriers of ncRNAs That Induce Inflammation. International Journal of Molecular Sciences, 2022, 23, 5510.	1.8	3
2887	Exosomes and their roles in the chemoresistance of pancreatic cancer. Cancer Medicine, 2022, 11, 4979-4988.	1.3	11
2888	ACE2â€enriched extracellular vesicles enhance infectivity of live SARSâ€CoVâ€2 virus. Journal of Extracellular Vesicles, 2022, 11, e12231.	5.5	14
2889	Amelioration of ligamentum flavum hypertrophy using umbilical cord mesenchymal stromal cell-derived extracellular vesicles. Bioactive Materials, 2023, 19, 139-154.	8.6	14
2890	The Pathogenesis and Treatment Progress of NAFLD Targeted by SREBP-1 Related Path-way. Advances in Clinical Medicine, 2022, 12, 4210-4220.	0.0	0

#	Article	IF	Citations
2891	Engineered extracellular vesicles as intelligent nanosystems for next-generation nanomedicine. Nanoscale Horizons, 2022, 7, 682-714.	4.1	37
2894	Overview and Update on Extracellular Vesicles: Considerations on Exosomes and Their Application in Modern Medicine. Biology, 2022, 11, 804.	1.3	36
2895	Mesenchymal stem cell-derived exosomes: A novel and potential remedy for cutaneous wound healing and regeneration. World Journal of Stem Cells, 2022, 14, 318-329.	1.3	19
2897	Research Progress on Transorgan Regulation of the Cardiovascular and Motor System through Cardiogenic Exosomes. International Journal of Molecular Sciences, 2022, 23, 5765.	1.8	3
2898	Extracellular Vesicles: A New Source of Biomarkers in Pediatric Solid Tumors? A Systematic Review. Frontiers in Oncology, 2022, 12, .	1.3	3
2900	Contribution of the Tumor Microenvironment to Metabolic Changes Triggering Resistance of Multiple Myeloma to Proteasome Inhibitors. Frontiers in Oncology, 2022, 12, .	1.3	9
2901	Single extracellular vesicle analysis for early cancer detection. Trends in Molecular Medicine, 2022, 28, 681-692.	3.5	29
2903	Complexities of JC Polyomavirus Receptor-Dependent and -Independent Mechanisms of Infection. Viruses, 2022, 14, 1130.	1.5	7
2904	State of the Art of Chemosensors in a Biomedical Context. Chemosensors, 2022, 10, 199.	1.8	3
2905	A Journey on Extracellular Vesicles for Matrix Metalloproteinases: A Mechanistic Perspective. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	5
2906	Expression of CD91 in extracellular vesicles: A potential biomarker for the diagnosis of non-small cell lung cancer. Advances in Cancer Biology Metastasis, 2022, 4, 100046.	1.1	3
2907	Bioengineering exosomes for treatment of organ ischemia-reperfusion injury. Life Sciences, 2022, 302, 120654.	2.0	3
2909	Nanoparticulates reduce tumor cell migration through affinity interactions with extracellular migrasomes and retraction fibers. Nanoscale Horizons, 2022, 7, 779-789.	4.1	7
2910	Extracellular vesicles in kidney disease. Nature Reviews Nephrology, 2022, 18, 499-513.	4.1	64
2911	Exosomal non-coding RNAs have a significant effect on tumor metastasis. Molecular Therapy - Nucleic Acids, 2022, 29, 16-35.	2.3	12
2912	Circulating extracellular vesicles and tumor cells: sticky partners in metastasis. Trends in Cancer, 2022, 8, 799-805.	3.8	16
2913	The Dual Role of Mesenchymal Stromal Cells and Their Extracellular Vesicles in Carcinogenesis. Biology, 2022, 11, 813.	1.3	6
2914	Huntingtin Co-Isolates with Small Extracellular Vesicles from Blood Plasma of TgHD and KI-HD Pig Models of Huntingtonâ€™s Disease and Human Blood Plasma. International Journal of Molecular Sciences, 2022, 23, 5598.	1.8	15

#	Article	IF	Citations
2915	Roles and Applications of Red Blood Cell-Derived Extracellular Vesicles in Health and Diseases. International Journal of Molecular Sciences, 2022, 23, 5927.	1.8	7
2916	Effects of different ratios of omega-6:omega-3 fatty acids in the diet of sows on the proteome of milk-derived extracellular vesicles. Journal of Proteomics, 2022, 264, 104632.	1.2	2
2917	Abnormal intestinal milieu in posttraumatic stress disorder is not impacted by treatment that improves symptoms. American Journal of Physiology - Renal Physiology, 2022, 323, G61-G70.	1.6	9
2918	The nanoscale organization of Nipah virus matrix protein revealed by super-resolution microscopy. Biophysical Journal, 2022, , .	0.2	1
2919	Additive manufacturing of biomaterials for bone tissue engineering â€“ A critical review of the state of the art and new concepts. Progress in Materials Science, 2022, 130, 100963.	16.0	52
2920	Pivoting Novel Exosome-Based Technologies for the Detection of SARS-CoV-2. Viruses, 2022, 14, 1083.	1.5	3
2921	Extracellular Vesicles Released from Stem Cells as a New Therapeutic Strategy for Primary and Secondary Glomerulonephritis. International Journal of Molecular Sciences, 2022, 23, 5760.	1.8	4
2922	Rab39 and its effector UACA regulate basolateral exosome release from polarized epithelial cells. Cell Reports, 2022, 39, 110875.	2.9	17
2923	Identification of the key exosomal lncRNAs/mRNAs in the serum during distraction osteogenesis. Journal of Orthopaedic Surgery and Research, 2022, 17, .	0.9	2
2924	Non-Coding RNAs Delivery by Small Extracellular Vesicles and Their Applications in Ovarian Cancer. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	2
2925	Umbilical cord mesenchymal stem cell-derived exosomes reverse endometrial fibrosis by the miR-145-5p/ZEB2 axis in intrauterine adhesions. Reproductive BioMedicine Online, 2023, 46, 234-243.	1.1	3
2926	Recent highlights in the immunomodulatory aspects of Treg cell-derived extracellular vesicles: special emphasis on autoimmune diseases and transplantation. Cell and Bioscience, 2022, 12, .	2.1	19
2927	Development of a microfluidic droplet platform with an antibody-free magnetic-bead-based strategy for high through-put and efficient EVs isolation. Talanta, 2022, 249, 123625.	2.9	7
2928	The in vivo fate and targeting engineering of crossover vesicle-based gene delivery system. Advanced Drug Delivery Reviews, 2022, 187, 114324.	6.6	30
2929	Chick cranial neural crest cells release extracellular vesicles that are critical for their migration. Journal of Cell Science, 2022, 135, .	1.2	11
2930	Reporter Systems for Assessments of Extracellular Vesicle Transfer. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	5
2931	Extracellular Vesicles as Drivers of Immunoinflammation in Atherothrombosis. Cells, 2022, 11, 1845.	1.8	16
2932	The brilliance of nanoscience over cancer therapy: Novel promising nanotechnology-based methods for eradicating glioblastoma. Journal of the Neurological Sciences, 2022, 440, 120316.	0.3	10

#	Article	IF	Citations
2933	Extracellular Vesicles from Adipose Tissue Could Promote Metabolic Adaptation through PI3K/Akt/mTOR. Cells, 2022, 11, 1831.	1.8	3
2934	Engineering antioxidant poly (citrate-gallic acid)-Exosome hybrid hydrogel with microglia immunoregulation for Traumatic Brain Injury-post neuro-restoration. Composites Part B: Engineering, 2022, 242, 110034.	5.9	14
2935	Effects of Exercise on Extracellular Vesicles in Patients with Metabolic Dysfunction: a Systematic Review. Journal of Cardiovascular Translational Research, 2023, 16, 97-111.	1.1	2
2936	Plasma-Derived Exosomes in Chronic Spontaneous Urticaria Induce the Production of Mediators by Human Mast Cells. Journal of Investigative Dermatology, 2022, 142, 2998-3008.e5.	0.3	3
2937	The potential role of extracellular vesicles in bioactive compound-based therapy: A review of recent developments. Critical Reviews in Food Science and Nutrition, 2023, 63, 10959-10973.	5.4	3
2938	Future directions for precision oncology in prostate cancer. Prostate, 2022, 82, .	1.2	2
2939	Extracellular Vesicles in Cardiovascular Diseases: Diagnosis and Therapy. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	10
2940	Molecular Insight into the Therapeutic Effects of Stem Cell-Derived Exosomes in Respiratory Diseases and the Potential for Pulmonary Delivery. International Journal of Molecular Sciences, 2022, 23, 6273.	1.8	16
2941	Extracellular Vesicles at CNS barriers: Mode of action. Current Opinion in Neurobiology, 2022, 75, 102569.	2.0	15
2942	A plasmonic nanoparticle-embedded polydopamine substrate for fluorescence detection of extracellular vesicle biomarkers in serum and urine from patients with systemic lupus erythematosus. Talanta, 2022, 247, 123620.	2.9	15
2943	Microvesicles: the functional mediators in sorafenib resistance. Cancer Drug Resistance (Alhambra,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	0
2944	Exosome secretion from hypoxic cancer cells reshapes the tumor microenvironment and mediates drug resistance. Cancer Drug Resistance (Alhambra, Calif), 2022, 5, 577-94.	0.9	7
2945	Membrane-fusogenic biomimetic particles: a new bioengineering tool learned from nature. Journal of Materials Chemistry B, 2022, 10, 6841-6858.	2.9	11
2946	Recent advances in biological detection with rolling circle amplification: design strategy, biosensing mechanism, and practical applications. Analyst, The, 2022, 147, 3396-3414.	1.7	19
2947	Applications of Extracellular Vesicles in Abdominal Aortic Aneurysm. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5
2949	ç»†èƒžå–å›Šæ³¡å¸¦Žæº§åŒ–å¹¹è¡¡åœ¨è¡°è€å’Œå†ç”Ÿè¿‡ç¨‹ä¸çš„ç”¨ç©¶è¿›å±•. Scientia Sinica Vitae, 2022, , .	0.1	0
2950	Biomarker Development Using Liquid Biopsy in Hepatocellular Carcinoma. Seminars in Liver Disease, 2022, 42, 188-201.	1.8	6
2951	Exosome-Mediated Immunosuppression in Tumor Microenvironments. Cells, 2022, 11, 1946.	1.8	37

#	Article	IF	Citations
2952	Engineering extracellular vesicles by threeâ€dimensional dynamic culture of human mesenchymal stem cells. Journal of Extracellular Vesicles, 2022, 11, .	5.5	45
2953	Potential prognosis index for m6A-related mRNA in cholangiocarcinoma. BMC Cancer, 2022, 22, .	1.1	4
2954	Lipidic Profile Changes in Exosomes and Microvesicles Derived From Plasma of Monoclonal Antibody-Treated Psoriatic Patients. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	17
2955	Extracellular Vesicles in Pathogenesis and Treatment of Metabolic Associated Fatty Liver Disease. Frontiers in Physiology, 0, 13, .	1.3	1
2956	The expanding family of neutrophilâ€derived extracellular vesicles. Immunological Reviews, 2022, 312, 52-60.	2.8	8
2957	Role of M2 macrophages-derived extracellular vesicles in IL-1Î²-stimulated chondrocyte proliferation and inflammatory responses. Cell and Tissue Banking, 0, , .	0.5	1
2958	Multifunctional Roles of MicroRNAs in Schistosomiasis. Frontiers in Microbiology, 0, 13, .	1.5	5
2959	Extracellular vesicles in cancer therapy. Seminars in Cancer Biology, 2022, 86, 296-309.	4.3	23
2960	miR-18a-5p derived from mesenchymal stem cells-extracellular vesicles inhibits ovarian cancer cell proliferation, migration, invasion, and chemotherapy resistance. Journal of Translational Medicine, 2022, 20, .	1.8	12
2962	Cross-Tissue Analysis Using Machine Learning to Identify Novel Biomarkers for Knee Osteoarthritis. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-21.	0.7	1
2963	Ceramide-rich microdomains facilitate nuclear envelope budding for non-conventional exosome formation. Nature Cell Biology, 2022, 24, 1019-1028.	4.6	27
2964	Pathogenicity and Growth Conditions Modulate Fonsecaea Extracellular Vesiclesâ€™ Ability to Interact With Macrophages. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
2965	Role of Sphingolipids in Multiple Myeloma Progression, Drug Resistance, and Their Potential as Therapeutic Targets. Frontiers in Oncology, 0, 12, .	1.3	4
2966	Extracellular Vesicles and Resistance to Anticancer Drugs: A Tumor Skeleton Key for Unhinging Chemotherapies. Frontiers in Oncology, 0, 12, .	1.3	2
2967	miR-494 in Extracellular Vesicles as a Potent Biomarker of Chronic Myeloid Leukemia Treatment with Tyrosine Kinase Inhibitors. Hemato, 2022, 3, 373-384.	0.2	0
2968	Designer Exosomes for Targeted Delivery of a Novel Therapeutic Cargo to Enhance Sorafenib-Mediated Ferroptosis in Hepatocellular Carcinoma. Frontiers in Oncology, 0, 12, .	1.3	21
2969	Nanovesicles From Lactobacillus johnsonii N6.2 Reduce Apoptosis in Human Beta Cells by Promoting AHR Translocation and IL10 Secretion. Frontiers in Immunology, 0, 13, .	2.2	11
2970	Wrapping of a vesicle nanoparticle with variable bending stiffness by membrane. Journal of the Mechanics and Physics of Solids, 2022, , 104991.	2.3	0

#	Article	IF	Citations
2971	Expression of Extracellular Vesicle PIWI-Interacting RNAs Throughout hiPSC-Cardiomyocyte Differentiation. Frontiers in Physiology, 0, 13, .	1.3	2
2972	Procoagulant Activity in Amniotic Fluid Is Associated with Fetal-Derived Extracellular Vesicles. Current Issues in Molecular Biology, 2022, 44, 2710-2716.	1.0	0
2973	Multiscale Dynamics of Lipid Vesicles in Polymeric Microenvironment. Membranes, 2022, 12, 640.	1.4	4
2974	Recent Advances in Nano-Therapeutic Strategies for Osteoarthritis. Frontiers in Pharmacology, 0, 13, .	1.6	6
2975	Circulating Exosomal miR-493-3p Affects Melanocyte Survival and Function by Regulating Epidermal Dopamine Concentration in Segmental Vitiligo. Journal of Investigative Dermatology, 2022, 142, 3262-3273.e11.	0.3	5
2976	Extracellular Vesicles and Cancer Therapy: Insights into the Role of Oxidative Stress. Antioxidants, 2022, 11, 1194.	2.2	10
2977	Potentiality of Exosomal Proteins as Novel Cancer Biomarkers for Liquid Biopsy. Frontiers in Immunology, 0, 13, .	2.2	26
2978	Unconventional Protein Secretion Dependent on Two Extracellular Vesicles: Exosomes and Ectosomes. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	12
2979	Size Separation of Exosomes and Microvesicles Using Flow Field-Flow Fractionation/Multiangle Light Scattering and Lipidomic Comparison. Analytical Chemistry, 2022, 94, 8958-8965.	3.2	20
2980	Optical Sensing Strategies for Probing Single-Cell Secretion. ACS Sensors, 2022, 7, 1779-1790.	4.0	5
2981	Principles and Problems of Exosome Isolation from Biological Fluids. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2022, 16, 115-126.	0.3	16
2982	Extracellular vesicles throughout development: A potential roadmap for emerging glioblastoma therapies. Seminars in Cell and Developmental Biology, 2023, 133, 32-41.	2.3	2
2983	Different Sourced Extracellular Vesicles and Their Potential Applications in Clinical Treatments. Cells, 2022, 11, 1989.	1.8	25
2985	Current Status, Opportunities, and Challenges of Exosomes in Oral Cancer Diagnosis and Treatment. International Journal of Nanomedicine, 0, Volume 17, 2679-2705.	3.3	13
2986	Click chemistry extracellular vesicle/peptide/chemokine nanocarriers for treating central nervous system injuries. Acta Pharmaceutica Sinica B, 2023, 13, 2202-2218.	5.7	17
2987	Prostate-Specific Membrane Antigen (PSMA)-Positive Extracellular Vesicles in Urineâ€"A Potential Liquid Biopsy Strategy for Prostate Cancer Diagnosis?. Cancers, 2022, 14, 2987.	1.7	7
2989	Small extracellular vesicle PD-L1 in cancer: the knowns and unknowns. Npj Precision Oncology, 2022, 6, .	2.3	16
2990	Extracellular Vesicles Derived From Ex Vivo Expanded Regulatory T Cells Modulate In Vitro and In Vivo Inflammation. Frontiers in Immunology, 0, 13, .	2.2	14

#	Article	IF	Citations
2991	HDAC inhibitor and proteasome inhibitor induce cleavage and exosome-mediated secretion of HSP90 in mouse pluripotent stem cells. Biochemical and Biophysical Research Communications, 2022, 620, 29-34.	1.0	1
2992	Theragnostic Applications of Mammal and Plant-Derived Extracellular Vesicles: Latest Findings, Current Technologies, and Prospects. Molecules, 2022, 27, 3941.	1.7	8
2993	The Therapeutic Role of ADSC-EVs in Skin Regeneration. Frontiers in Medicine, 0, 9, .	1.2	9
2994	Myc manipulates the miRNA content and biologic functions of small cell lung cancer cell-derived small extracellular vesicles. Molecular Biology Reports, 2022, 49, 7953-7965.	1.0	2
2995	Plasma and urinary extracellular vesicle microRNAs and their related pathways in diabetic kidney disease. Genomics, 2022, 114, 110407.	1.3	7
2996	Extracellular vesicle-based macromolecule delivery systems in cancer immunotherapy. Journal of Controlled Release, 2022, 348, 572-589.	4.8	10
2997	Exosome-mediated remodeling of the tumor microenvironment: From local to distant intercellular communication. Cancer Letters, 2022, 543, 215796.	3.2	31
2998	The endothelial cells in cancer: an outline. , 2022, , 101-129.		0
2999	Emerging Role of Edible Exosomes-Like Nanoparticles (ELNs) as Hepatoprotective Agents. Nanotheranostics, 2022, 6, 365-375.	2.7	11
3000	Extracellular vesicles as bioactive nanotherapeutics: An emerging paradigm for regenerative medicine. Theranostics, 2022, 12, 4879-4903.	4.6	33
3001	Liquid Biopsies: Flowing Biomarkers. Advances in Experimental Medicine and Biology, 2022, , 341-368.	0.8	1
3002	Protein composition of extracellular vesicles from skin secretions of the amphibian <i>Bombina maxima</i>. Zoological Research, 2022, 43, 687-690.	0.9	5
3003	Methods for the Detection of Circulating Biomarkers in Cancer Patients. Advances in Experimental Medicine and Biology, 2022, , 525-552.	0.8	3
3004	Application of extracellular vesicles in the diagnosis and treatment of infection and bacterial resistance. , 2022, , 577-590.		0
3005	Prediction of tumor metastasis via extracellular vesicles-treated platelet adhesion on a blood vessel chip. Lab on A Chip, 2022, 22, 2726-2740.	3.1	5
3006	Coexistence of lipid phases in multilayer phospholipid films probed by Raman mapping. Analyst, The, 2022, 147, 3748-3755.	1.7	3
3007	Emerging micro-nano technologies for extracellular vesicles in immuno-oncology: from specific isolations to immunomodulation. Lab on A Chip, 0, , .	3.1	6
3008	Characterization of Extracellular vesicles isolated from different Liquid biopsies of uveal melanoma patients. Journal of Circulating Biomarkers, 0, 11, 36-47.	0.8	10

#	Article	IF	Citations
3009	Macrophagesâ€™ M1 or M2 by tumor microparticles: lysosome makes decision. , 2022, 19, 1196-1197.		6
3010	Role of Extracellular Vesicles in Stem Cell Therapy. Current Stem Cell Research and Therapy, 2024, 19, 629-635.	0.6	0
3011	Role of exosomes in the pathogenesis, diagnosis, and treatment of central nervous system diseases. Journal of Translational Medicine, 2022, 20, .	1.8	48
3012	Activation of Anti-SARS-CoV-2 Human CTLs by Extracellular Vesicles Engineered with the N Viral Protein. Vaccines, 2022, 10, 1060.	2.1	4
3013	The Association of Human Astrovirus with Extracellular Vesicles Facilitates Cell Infection and Protects the Virus from Neutralizing Antibodies. Journal of Virology, 2022, 96, .	1.5	4
3014	Proteomics, Phosphoproteomics and Mirna Analysis of Circulating Extracellular Vesicles through Automated and High-Throughput Isolation. Cells, 2022, 11, 2070.	1.8	8
3015	PAI/MRI Visualization of Tumor Derived Cellular Microvesicles with Endogenous Biopolymer Nanoparticles Modification. International Journal of Nanomedicine, 0, Volume 17, 2883-2890.	3.3	4
3016	Homosalate boosts the release of tumourâ€derived extracellular vesicles with protection against anchorageâ€loss property. Journal of Extracellular Vesicles, 2022, 11, .	5.5	6
3017	The Emerging Role of the Interaction of Extracellular Vesicle and Autophagyâ€”Novel Insights into Neurological Disorders. Journal of Inflammation Research, 0, Volume 15, 3395-3407.	1.6	10
3018	Rab27aâ€dependent exosomes protect against cerebral ischemic injury by reducing endothelial oxidative stress and apoptosis. CNS Neuroscience and Therapeutics, 2022, 28, 1596-1612.	1.9	6
3019	Macrophage-Derived Small Extracellular Vesicles in Multiple Diseases: Biogenesis, Function, and Therapeutic Applications. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	5
3020	Delivery of engineered extracellular vesicles with miR-29b editing system for muscle atrophy therapy. Journal of Nanobiotechnology, 2022, 20, .	4.2	10
3021	The role of extracellular vesicles in animal reproduction and diseases. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	15
3022	Small extracellular vesicles derived from hypoxic mesenchymal stem cells promote vascularized bone regeneration through the miR-210-3p/EFNA3/PI3K pathway. Acta Biomaterialia, 2022, 150, 413-426.	4.1	38
3023	Mesenchymal stem cell-derived extracellular vesicles for immunomodulation and regeneration: a next generation therapeutic tool?. Cell Death and Disease, 2022, 13, .	2.7	114
3024	Liquid Biopsy in Glioblastoma. Cancers, 2022, 14, 3394.	1.7	17
3025	Conducting Polymer-Coated Carbon Cloth Captures and Releases Extracellular Vesicles by a Rapid and Controlled Redox Process. ACS Applied Materials & Interfaces, 2022, 14, 32880-32889.	4.0	11
3026	Increased expression of miR-224-5p in circulating extracellular vesicles of patients with reduced coronary flow reserve. BMC Cardiovascular Disorders, 2022, 22, .	0.7	3

#	Article	IF	Citations
3027	Advances in the Regulation of Macrophage Polarization by Mesenchymal Stem Cells and Implications for ALI/ARDS Treatment. Frontiers in Immunology, 0, 13, .	2.2	16
3028	Role of endothelial cells in vascular calcification. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	6
3029	Lim Domain Binding 3 (Ldb3) Identified as a Potential Marker of Cardiac Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 7374.	1.8	2
3030	Endothelial cells induce degradation of ECM through enhanced secretion of MMP14 carried on extracellular vesicles in venous malformation. Cell and Tissue Research, 2022, 389, 517-530.	1.5	1
3032	Circulating Exosome Cargoes Contain Functionally Diverse Cancer Biomarkers: From Biogenesis and Function to Purification and Potential Translational Utility. Cancers, 2022, 14, 3350.	1.7	13
3033	Macrophageâ€'derived exosomal miRNAâ€'155 promotes tubular injury in ischemiaâ€'induced acute kidney injury. International Journal of Molecular Medicine, 2022, 50, .	1.8	11
3034	Nano pom-poms prepared exosomes enable highly specific cancer biomarker detection. Communications Biology, 2022, 5, .	2.0	16
3035	Extracellular vesicle biomarkers for cognitive impairment in Parkinsonâ€™s disease. Brain, 2023, 146, 195-208.	3.7	35
3036	Extracellular vesicles and lipoproteins â€“ Smart messengers of blood cells in the circulation. , 2022, 1, .		6
3037	Droplet Array-Based Platform for Parallel Optical Analysis of Dynamic Extracellular Vesicle Secretion from Single Cells. Analytical Chemistry, 2022, 94, 11209-11215.	3.2	5
3038	Gastric cancer cell-derived extracellular vesicles disrupt endothelial integrity and promote metastasis. Cancer Letters, 2022, 545, 215827.	3.2	14
3039	Bioinformatics strategies for studying the molecular mechanisms of fungal extracellular vesicles with a focus on infection and immune responses. Briefings in Bioinformatics, 2022, 23, .	3.2	1
3040	Ciliary transition zone proteins coordinate ciliary protein composition and ectosome shedding. Nature Communications, 2022, 13, .	5.8	16
3041	Inhalable dry powder mRNA vaccines based on extracellular vesicles. Matter, 2022, 5, 2960-2974.	5.0	75
3042	Exosomal circWDR62 promotes temozolomide resistance and malignant progression through regulation of the miR-370-3p/MGMT axis in glioma. Cell Death and Disease, 2022, 13, .	2.7	17
3043	Liver kinase B1 in exosomes inhibits immune checkpoint programmed death ligand 1 and metastatic progression of intrahepatic cholangiocarcinoma. Oncology Reports, 2022, 48, .	1.2	2
3044	Role of exosomal microRNAs in cancer therapy and drug resistance mechanisms: focus on hepatocellular carcinoma. Frontiers in Oncology, 0, 12, .	1.3	9
3045	Lipidomics of Cell Secretome Combined with the Study of Selected Bioactive Lipids in an In Vitro Model of Osteoarthritis. Stem Cells Translational Medicine, 2022, 11, 959-970.	1.6	5

#	Article	IF	Citations
3046	Biological Role of the Intercellular Transfer of Glycosylphosphatidylinositol-Anchored Proteins: Stimulation of Lipid and Glycogen Synthesis. International Journal of Molecular Sciences, 2022, 23, 7418.	1.8	4
3047	Exploring the potential of exosomes in diagnosis and drug delivery for pancreatic ductal adenocarcinoma. International Journal of Cancer, 2023, 152, 110-122.	2.3	6
3048	Mesenchymal Stem Cellâ€“Derived Extracellular Vesicles as an Advanced Therapy for Chronic Wounds. Cold Spring Harbor Perspectives in Biology, 2022, 14, a041227.	2.3	9
3049	Engineered exosomes for studies in tumor immunology. Immunological Reviews, 2022, 312, 76-102.	2.8	18
3050	Dynamics of Microglia Activation in the Ischemic Brain: Implications for Myelin Repair and Functional Recovery. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	10
3051	Isolation and Characterization of Extracellular Vesicles from Gastric Juice. Cancers, 2022, 14, 3314.	1.7	5
3052	Extracellular vesicles from thyroid cancer harbor a functional machinery involved in extracellular matrix remodeling. European Journal of Cell Biology, 2022, 101, 151254.	1.6	3
3053	Engineered extracellular vesicles: Regulating the crosstalk between the skeleton and immune system. Engineered Regeneration, 2022, 3, 270-282.	3.0	5
3054	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	6.6	31
3055	Exosomes in urological diseases - Biological functions and clinical applications. Cancer Letters, 2022, 544, 215809.	3.2	10
3056	Extracellular vesicles for renal therapeutics: State of the art and future perspective. Journal of Controlled Release, 2022, 349, 32-50.	4.8	20
3057	Cell-derived nanovesicles prepared by membrane extrusion are good substitutes for natural extracellular vesicles. , 2022, 1, 100004.		29
3058	Schwann cell extracellular vesicles: judging a book by its cover. Neural Regeneration Research, 2023, 18, 325.	1.6	1
3059	Extracellular vesicles in Alzheimerâ€™s disease: from pathology to therapeutic approaches. Neural Regeneration Research, 2023, 18, 18.	1.6	11
3060	Extracellular vesicles engineered to bind albumin demonstrate extended circulation time and lymph node accumulation in mouse models. Journal of Extracellular Vesicles, 2022, 11, .	5.5	20
3061	Exosome-cargoed microRNAs: Potential therapeutic molecules for diabetic wound healing. Drug Discovery Today, 2022, 27, 103323.	3.2	22
3062	Angiogenesis in adipose tissue and obesity. Angiogenesis, 2022, 25, 439-453.	3.7	28
3063	The current status of stem cell-based therapies during ex vivo graft perfusion: An integrated review of four organs. American Journal of Transplantation, 2022, 22, 2723-2739.	2.6	6

#	Article	IF	Citations
3064	Selective Internal Radiotherapy Changes the Immune Profiles of Extracellular Vesicles and Their Immune Origin in Patients with Inoperable Cholangiocarcinoma. Cells, 2022, 11, 2309.	1.8	6
3065	Recent Advances in Molecular Diagnosis of Pulmonary Fibrosis for Precision Medicine. ACS Pharmacology and Translational Science, 2022, 5, 520-538.	2.5	3
3066	Promising Role of Oral Cavity Mesenchymal Stem Cell-Derived Extracellular Vesicles in Neurodegenerative Diseases. Molecular Neurobiology, 0, , .	1.9	3
3067	Enhancement of Osteoblast Function through Extracellular Vesicles Derived from Adipose-Derived Stem Cells. Biomedicines, 2022, 10, 1752.	1.4	5
3068	Research progress of tumorâ€derived extracellular vesicles in the treatment of malignant pleural effusion. Cancer Medicine, 0, , .	1.3	4
3069	Single-cell sorting based on secreted products for functionally defined cell therapies. Microsystems and Nanoengineering, 2022, 8, .	3.4	18
3070	Multicellular regulation of miR-196a-5p and miR-425-5 from adipose stem cell-derived exosomes and cardiac repair. Clinical Science, 2022, 136, 1281-1301.	1.8	10
3071	Isolation and characterization of extracellular vesicles and future directions in diagnosis and therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	3.3	35
3072	Early but reversible haemostatic changes in a-symptomatic females expressing COVID-19 antibodies. Thrombosis Research, 2022, 217, 76-85.	0.8	2
3073	Role of extracellular vesicles in lung diseases. Chinese Medical Journal, 2022, 135, 1765-1780.	0.9	4
3074	Autologous exosome facilitates load and target delivery of bioactive peptides to repair spinal cord injury. Bioactive Materials, 2023, 25, 766-782.	8.6	7
3076	Interplay between purinergic signalling and extracellular vesicles in health and disease. Biochemical Pharmacology, 2022, 203, 115192.	2.0	6
3077	Deficient Caveolin-1 Synthesis in Adipocytes Stimulates Systemic Insulin-Independent Glucose Uptake via Extracellular Vesicles. Diabetes, 2022, 71, 2496-2512.	0.3	6
3078	Extracellular Vesicle Mimetics: Preparation from Topâ€Down Approaches and Biological Functions. Advanced Healthcare Materials, 2022, 11, .	3.9	6
3079	Emergence of Edible Plant-Derived Nanovesicles as Functional Food Components and Nanocarriers for Therapeutics Delivery: Potentials in Human Health and Disease. Cells, 2022, 11, 2232.	1.8	18
3080	A pore-forming protein drives macropinocytosis to facilitate toad water maintaining. Communications Biology, 2022, 5, .	2.0	7
3081	Small Extracellular Vesicles Secreted by Nigrostriatal Astrocytes Rescue Cell Death and Preserve Mitochondrial Function in Parkinson's Disease. Advanced Healthcare Materials, 2022, 11, .	3.9	16
3082	Extracellular vesicles as an emerging drug delivery system for cancer treatment: Current strategies and recent advances. Biomedicine and Pharmacotherapy, 2022, 153, 113480.	2.5	26

#	Article	IF	Citations
3083	Muller glia-derived exosomes and their microRNA cargoâ€“potential for glaucoma therapies. , 2022, , 543-559.		0
3084	Research Progress in the Medical Application of Heavy Water, Especially in the Field of D₂O-Raman Spectroscopy. International Journal of Medical Sciences, 2022, 19, 1357-1363.	1.1	2
3085	Organelles: Structure and Function â€“ Extracellular Vesicles. , 2022, , .		0
3086	Emerging roles of extracellular vesicle-associated non-coding RNAs in hypoxia: Insights from cancer, myocardial infarction and ischemic stroke. Theranostics, 2022, 12, 5776-5802.	4.6	22
3087	Engineering of MSC-Derived Exosomes: A Promising Cell-Free Therapy for Osteoarthritis. Membranes, 2022, 12, 739.	1.4	16
3088	Modulation of Autophagy in Adrenal Tumors. Frontiers in Endocrinology, 0, 13, .	1.5	3
3089	Reduced Cathepsin L expression and secretion into the extracellular milieu contribute to lung fibrosis in systemic sclerosis. Rheumatology, 2023, 62, 1306-1316.	0.9	6
3090	Future of Digital Assays to Resolve Clinical Heterogeneity of Single Extracellular Vesicles. ACS Nano, 2022, 16, 11619-11645.	7.3	40
3091	Exosomes in osteoarthritis: Updated insights on pathogenesis, diagnosis, and treatment. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	13
3092	Nanobiotechnology: Applications in Chronic Wound Healing. International Journal of Nanomedicine, 0, Volume 17, 3125-3145.	3.3	19
3093	Exosomes as Crucial Players in Pathogenesis of Systemic Lupus Erythematosus. Journal of Immunology Research, 2022, 2022, 1-10.	0.9	4
3094	Molecular mechanisms and clinical applications of exosomes in prostate cancer. Biomarker Research, 2022, 10, .	2.8	9
3095	The Correlation Between MicroRNAs and Diabetic Retinopathy. Frontiers in Immunology, 0, 13, .	2.2	9
3096	Sex Differentially Alters Secretion of Brain Extracellular Vesicles During Aging: A Potential Mechanism for Maintaining Brain Homeostasis. Neurochemical Research, 0, , .	1.6	7
3098	Microglia as Therapeutic Target for Radiation-Induced Brain Injury. International Journal of Molecular Sciences, 2022, 23, 8286.	1.8	14
3099	Exosomal Non-Coding RNAs: New Insights into the Biology of Hepatocellular Carcinoma. Current Oncology, 2022, 29, 5383-5406.	0.9	31
3100	HCC EV ECG score: An extracellular vesicleâ€based protein assay for detection of earlyâ€stage hepatocellular carcinoma. Hepatology, 2023, 77, 774-788.	3.6	24
3101	Protein Panel of Serum-Derived Small Extracellular Vesicles for the Screening and Diagnosis of Epithelial Ovarian Cancer. Cancers, 2022, 14, 3719.	1.7	9

#	Article	IF	Citations
3102	Endothelial Nitric Oxide Synthase in the Perivascular Adipose Tissue. Biomedicines, 2022, 10, 1754.	1.4	15
3103	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Idiopathic Pulmonary Fibrosis Microenvironment Targeted Delivery. Cells, 2022, 11, 2322.	1.8	8
3104	Cryo-Electron Microscopy of Extracellular Vesicles. Microscopy and Microanalysis, 2022, 28, 1302-1303.	0.2	1
3105	Extracellular Vesicles for Regenerative Medicine Applications. Applied Sciences (Switzerland), 2022, 12, 7472.	1.3	7
3106	Colchicine as a Modulator of Platelet Function: A Systematic Review. Seminars in Thrombosis and Hemostasis, 2022, 48, 552-567.	1.5	4
3107	A Novel Perspective on Ischemic Stroke: A Review of Exosome and Noncoding RNA Studies. Brain Sciences, 2022, 12, 1000.	1.1	2
3108	METHODOLOGY TO STUDY SINGLE EXTRACELLULAR VESICLES OF VARIOUS CELLULAR ORIGIN. , 2022, 2, 101-110.		1
3109	Extracellular vesicle fusion visualized by cryo-electron microscopy. , 2022, 1, .		18
3110	Expression and clinical value of circRNAs in serum extracellular vesicles for gastric cancer. Frontiers in Oncology, 0, 12, .	1.3	3
3111	Exosomes as mediators of tumor immune escape and immunotherapy in hepatocellular carcinoma. Liver Research, 2022, , .	0.5	1
3112	Biomaterials and advanced technologies for the evaluation and treatment of ovarian aging. Journal of Nanobiotechnology, 2022, 20, .	4.2	10
3113	The Immunomodulatory Role of Hypoxic Tumor-Derived Extracellular Vesicles. Cancers, 2022, 14, 4001.	1.7	1
3114	Exosomes from EGFR-Mutated Adenocarcinoma Induce a Hybrid EMT and MMP9-Dependant Tumor Invasion. Cancers, 2022, 14, 3776.	1.7	4
3115	Pathophysiology of Coagulation and Emerging Roles for Extracellular Vesicles in Coagulation Cascades and Disorders. Journal of Clinical Medicine, 2022, 11, 4932.	1.0	14
3116	Matrix Bound Nanovesicles Have Tissue-Specific Characteristics That Suggest a Regulatory Role. Tissue Engineering - Part A, 2022, 28, 879-892.	1.6	5
3117	Extracellular vesicles and <scp>microRNAs</scp> are altered in response to exercise, insulin sensitivity and overweight. Acta Physiologica, 2022, 236, .	1.8	18
3118	Extracellular vesicles and Alzheimerâ€™s disease in the novel era of Precision Medicine: implications for disease progression, diagnosis and treatment. Experimental Neurology, 2022, 358, 114183.	2.0	10
3119	Exosomes from Ureaplasma parvum-infected ectocervical epithelial cells promote feto-maternal interface inflammation but are insufficient to cause preterm delivery. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	7

#	Article	IF	Citations
3120	The role of lincRNA-p21 in regulating the biology of cancer cells. Human Cell, 2022, 35, 1640-1649.	1.2	6
3121	Secreted filarial nematode galectins modulate host immune cells. Frontiers in Immunology, 0, 13, .	2.2	7
3122	Hunting for the cause: Evidence for prion-like mechanisms in Huntingtonâ€™s disease. Frontiers in Neuroscience, 0, 16, .	1.4	6
3123	Role of Exosomes in Immunotherapy of Hepatocellular Carcinoma. Cancers, 2022, 14, 4036.	1.7	5
3124	Extracellular vesicles in atherothrombosis: From biomarkers and precision medicine to therapeutic targets. Immunological Reviews, 2022, 312, 6-19.	2.8	19
3125	The emerging roles and mechanisms of exosomal non-coding RNAs in the mutual regulation between adipose tissue and other related tissues in obesity and metabolic diseases. Frontiers in Endocrinology, 0, 13, .	1.5	7
3126	Anti-Human CD9 Fab Fragment Antibody Blocks the Extracellular Vesicle-Mediated Increase in Malignancy of Colon Cancer Cells. Cells, 2022, 11, 2474.	1.8	6
3127	Mesenchymal (Stem) Stromal Cells Based as New Therapeutic Alternative in Inflammatory Bowel Disease: Basic Mechanisms, Experimental and Clinical Evidence, and Challenges. International Journal of Molecular Sciences, 2022, 23, 8905.	1.8	19
3128	Detailed Characterization of Small Extracellular Vesicles from Different Cell Types Based on Tetraspanin Composition by ExoView R100 Platform. International Journal of Molecular Sciences, 2022, 23, 8544.	1.8	20
3129	Bricks out of the wall: polysaccharide extramural functions. Trends in Plant Science, 2022, 27, 1231-1241.	4.3	7
3130	Endolysosomal cholesterol export: More than just NPC1. BioEssays, 2022, 44, .	1.2	10
3131	The dual action of glioma-derived exosomes on neuronal activity: synchronization and disruption of synchrony. Cell Death and Disease, 2022, 13, .	2.7	9
3132	Isolation of mitochondria-derived mitovesicles and subpopulations of microvesicles and exosomes from brain tissues. Nature Protocols, 2022, 17, 2517-2549.	5.5	31
3133	Inflammation-mediated matrix remodeling of extracellular matrix-mimicking biomaterials in tissue engineering and regenerative medicine. Acta Biomaterialia, 2022, 151, 106-117.	4.1	21
3134	Cancer-Derived Small Extracellular Vesicles PICKER. Analytical Chemistry, 2022, 94, 13019-13027.	3.2	10
3135	Single-particle assessment of six different drug-loading strategies for incorporating doxorubicin into small extracellular vesicles. Analytical and Bioanalytical Chemistry, 2023, 415, 1287-1298.	1.9	12
3136	Extracellular Vesicles in Myeloid Neoplasms. International Journal of Molecular Sciences, 2022, 23, 8827.	1.8	2
3137	The role of extracellular vesicles in cellular senescence. FEBS Journal, 2023, 290, 1203-1211.	2.2	8

#	Article	IF	Citations
3138	Exosomes rewire the cartilage microenvironment in osteoarthritis: from intercellular communication to therapeutic strategies. International Journal of Oral Science, 2022, 14, .	3.6	28
3139	Biophysical, Molecular and Proteomic Profiling of Human Retinal Organoid-Derived Exosomes. Pharmaceutical Research, 2023, 40, 801-816.	1.7	11
3140	Exosomes: Biogenesis, targeting, characterization and their potential as "Plug & Play" vaccine platforms. Biotechnology Journal, 2022, 17, .	1.8	8
3141	Extracellular vesicles: emerging anti-cancer drugs and advanced functionalization platforms for cancer therapy. Drug Delivery, 2022, 29, 2513-2538.	2.5	27
3142	Î±vÎ²1 integrin is enriched in extracellular vesicles of metastatic breast cancer cells: A mechanism mediated by galectinâ€3. Journal of Extracellular Vesicles, 2022, 11, .	5.5	12
3143	KIM-1 augments hypoxia-induced tubulointerstitial inflammation through uptake of small extracellular vesicles by tubular epithelial cells. Molecular Therapy, 2023, 31, 1437-1450.	3.7	9
3144	Nanotechnology-Inspired Extracellular Vesicles Theranostics for Diagnosis and Therapy of Central Nervous System Diseases. ACS Applied Materials & Interfaces, 2023, 15, 182-199.	4.0	4
3145	Recent advances in conventional and unconventional vesicular secretion pathways in the tumor microenvironment. Journal of Biomedical Science, 2022, 29, .	2.6	17
3146	The Role of Extracellular Vesicles in COVID-19 Pathology. Cells, 2022, 11, 2496.	1.8	5
3147	Exosomal miRNAs in the plasma of Cynoglossus semilaevis infected with Vibrio harveyi: Pleiotropic regulators and potential biomarkers involved in inflammatory and immune responses. Frontiers in Immunology, 0, 13, .	2.2	2
3148	Rapid isolation and quantification of extracellular vesicles from suspensionâ€adapted human embryonic kidney cells using capillaryâ€channeled polymer fiber spinâ€down tips. Electrophoresis, 2023, 44, 190-202.	1.3	5
3149	Role of released mitochondrial DNA in acute lung injury. Frontiers in Immunology, 0, 13, .	2.2	8
3150	A systematic review and Meta-analysis of urinary extracellular vesicles proteome in diabetic nephropathy. Frontiers in Endocrinology, 0, 13, .	1.5	6
3151	Exosomes: Small Vesicles with Important Roles in the Development, Metastasis and Treatment of Breast Cancer. Membranes, 2022, 12, 775.	1.4	6
3153	Bacterial extracellular vesicles in the microbiome of first-pass meconium in newborn infants. Pediatric Research, 2023, 93, 887-896.	1.1	5
3154	Blood neuroexosomal excitatory amino acid transporter-2 is associated with cognitive decline in Parkinsonâ€™s disease with RBD. Frontiers in Aging Neuroscience, 0, 14, .	1.7	7
3155	Exosomal MiR-4261 mediates calcium overload in RBCs by downregulating the expression of ATP2B4 in multiple myeloma. Frontiers in Oncology, 0, 12, .	1.3	3
3157	Silica Inverse Opal Nanostructured Sensors for Enhanced Immunodetection of Extracellular Vesicles by Quartz Crystal Microbalance with Dissipation Monitoring. ACS Applied Nano Materials, 2022, 5, 12951-12961.	2.4	4

#	Article	IF	Citations
3159	Association of extracellular vesicle inflammatory proteins and mortality. Scientific Reports, 2022, 12, .	1.6	4
3160	Serum exosome <scp>inflammaâ€miRs</scp> are surrogate biomarkers for asthma phenotype and severity. Allergy: European Journal of Allergy and Clinical Immunology, 2023, 78, 141-155.	2.7	21
3161	Out-of-field effects: lessons learned from partial body exposure. Radiation and Environmental Biophysics, 2022, 61, 485-504.	0.6	4
3162	Biomaterials constructed for MSC-derived extracellular vesicle loading and deliveryâ€"a promising method for tissue regeneration. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	8
3163	Effect of Porcine Colostral Exosomes on T Cells in the Peripheral Blood of Suckling Piglets. Animals, 2022, 12, 2172.	1.0	3
3164	Skeletal muscle releases extracellular vesicles with distinct protein and microRNA signatures that function in the muscle microenvironment. , 2022, 1, .		18
3165	Recent Advances of Utilizing Artificial Intelligence in Lab on a Chip for Diagnosis and Treatment. Small, 2022, 18, .	5.2	21
3166	Editorial: New insights into extracellular vesicles in cardiovascular disease: Molecular basis, diagnosis and therapy. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	1
3167	Extracellular RNAs from immune cells under obesityâ€"a narrative review. ExRNA, 0, 4, 18-18.	1.0	1
3168	Exosome derived from stem cell: A promising therapeutics for wound healing. Frontiers in Pharmacology, 0, 13, .	1.6	11
3169	Exosomal circular RNAs: Biogenesis, effect, and application in cardiovascular diseases. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	7
3170	Biomarker and therapeutic potential of peripheral extracellular vesicles in Alzheimerâ€™s disease. Advanced Drug Delivery Reviews, 2022, 190, 114486.	6.6	14
3171	Plant hairy roots for the production of extracellular vesicles with antitumor bioactivity. Communications Biology, 2022, 5, .	2.0	16
3172	Neural stem cellâ€‘derived exosomes transfer miRâ€‘124â€‘3p into cells to inhibit glioma growth by targeting FLOT2. International Journal of Oncology, 2022, 61, .	1.4	16
3173	The gene regulatory role of non-coding RNAs in non-obstructive azoospermia. Frontiers in Endocrinology, 0, 13, .	1.5	2
3174	Progress in mesenchymal stem cell mitochondria transfer for the repair of tissue injury and treatment of disease. Biomedicine and Pharmacotherapy, 2022, 153, 113482.	2.5	11
3175	Role of exosomes in lung cancer: A comprehensive insight from immunomodulation to theragnostic applications. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188776.	3.3	13
3176	Conductance Artery Wall Layers and Their Respective Roles in the Clearance Functions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, .	1.1	8

#	Article	IF	Citations
3177	Spotlight on plant RNA-containing extracellular vesicles. Current Opinion in Plant Biology, 2022, 69, 102272.	3.5	17
3178	Efficient extracellular vesicles freeze-dry method for direct formulations preparation and use. Colloids and Surfaces B: Biointerfaces, 2022, 218, 112745.	2.5	6
3179	Melanoma-derived small extracellular vesicles remodel the systemic onco-immunity via disrupting hematopoietic stem cell proliferation and differentiation. Cancer Letters, 2022, 545, 215841.	3.2	7
3180	Production of extracellular vesicles from equine embryo-derived mesenchymal stromal cells. Reproduction, 2022, 164, 143-154.	1.1	4
3181	Multi-omics analysis revealed the role of extracellular vesicles in hepatobiliary & pancreatic tumor. Journal of Controlled Release, 2022, 350, 11-25.	4.8	3
3182	Digoxin ameliorates joint inflammatory microenvironment by downregulating synovial macrophage M1-like-polarization and its-derived exosomal miR-146b-5p/Usp3&Sox5 axis. International Immunopharmacology, 2022, 111, 109135.	1.7	11
3183	Hierarchical Au nanoarrays functionalized 2D Ti2CTx MXene membranes for the detection of exosomes isolated from human lung carcinoma cells. Biosensors and Bioelectronics, 2022, 216, 114647.	5.3	28
3184	Serum-derived exosomes induce proinflammatory cytokines production in Cynoglossus semilaevis via miR-133-3p. Developmental and Comparative Immunology, 2022, 136, 104497.	1.0	3
3185	microRNA-93 packaged in extracellular vesicles from mesenchymal stem cells reduce neonatal hypoxic-ischemic brain injury. Brain Research, 2022, 1794, 148042.	1.1	8
3186	Simultaneous detection of cancerous exosomal miRNA-21 and PD-L1 with a sensitive dual-cycling nanoprobe. Biosensors and Bioelectronics, 2022, 216, 114636.	5.3	16
3187	Use of heparin to rescue immunosuppressive monocyte reprogramming by glioblastoma-derived extracellular vesicles. Journal of Neurosurgery, 2022, , 1-11.	0.9	1
3188	Eosinophilic inflammation: An Appealing Target for Pharmacologic Treatments in Severe Asthma. Biomedicines, 2022, 10, 2181.	1.4	10
3190	Extracellular Vesicles: A Novel Tool in Nanomedicine and Cancer Treatment. Cancers, 2022, 14, 4450.	1.7	8
3191	Exosome Release by Glucose Deprivation Is Important for the Viability of TSC-Null Cells. Cells, 2022, 11, 2862.	1.8	1
3192	Extracellular vesicles in cardiac repair and regeneration: Beyond stem-cell-based approaches. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	3
3193	Generation 6 Polyamidoamine Dendrimer Provides an Ideal Nanoparticular Platform for Enzyme-assisted Synthesis of Glycopeptides Having Bulky and Complex Glycans. Chemistry Letters, 2022, 51, 1044-1048.	0.7	0
3194	Renomedullary exosomes produce antihypertensive effects in reversible two-kidney one-clip renovascular hypertensive mice. Biochemical Pharmacology, 2022, 204, 115238.	2.0	0
3195	Exosomal B7â€“H4 from irradiated glioblastoma cells contributes to increase FoxP3 expression of differentiating Th1 cells and promotes tumor growth. Redox Biology, 2022, 56, 102454.	3.9	12

#	Article	IF	Citations
3196	Engineered T cell extracellular vesicles displaying PD-1 boost anti-tumor immunity. Nano Today, 2022, 46, 101606.	6.2	23
3197	Ectosomes and exosomes modulate neuronal spontaneous activity. Journal of Proteomics, 2022, 269, 104721.	1.2	6
3198	Strategies for persistent retention of macromolecules and nanoparticles in the blood circulation. Journal of Controlled Release, 2022, 350, 486-493.	4.8	18
3199	Inhibition of the pseudokinase MLKL alters extracellular vesicle release and reduces tumor growth in glioblastoma. IScience, 2022, 25, 105118.	1.9	6
3200	Revealing the presence of tear extracellular vesicles in Keratoconus. Experimental Eye Research, 2022, 224, 109242.	1.2	7
3201	Circular RNAs play roles in regulatory networks of cell signaling pathways in human cancers. Life Sciences, 2022, 309, 120975.	2.0	7
3202	ECFC-derived exosomal THBS1 mediates angiogenesis and osteogenesis in distraction osteogenesis via the PI3K/AKT/ERK pathway. Journal of Orthopaedic Translation, 2022, 37, 12-22.	1.9	6
3203	Biology and pharmacology of platelet-type 12-lipoxygenase in platelets, cancer cells, and their crosstalk. Biochemical Pharmacology, 2022, 205, 115252.	2.0	7
3204	Multi-omics study reveals associations among neurotransmitter, extracellular vesicle-derived microRNA and psychiatric comorbidities during heroin and methamphetamine withdrawal. Biomedicine and Pharmacotherapy, 2022, 155, 113685.	2.5	9
3205	Apoptotic bodies for advanced drug delivery and therapy. Journal of Controlled Release, 2022, 351, 394-406.	4.8	34
3206	Research progress on the role of exosomes in obstructive sleep apnea-hypopnea syndrome-related atherosclerosis. Sleep Medicine Reviews, 2022, 66, 101696.	3.8	14
3207	A novel therapeutic strategy for alleviating atrial remodeling by targeting exosomal miRNAs in atrial fibrillation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119365.	1.9	6
3208	Enrichment of bovine milk-derived extracellular vesicles using surface-functionalized cellulose nanofibers. Carbohydrate Polymers, 2022, 297, 120069.	5.1	2
3209	Intercellular communication and aging. , 2023, , 257-274.		3
3210	Recent advances of natural and bioengineered extracellular vesicles and their application in vascular regeneration. Regenerative Biomaterials, 2022, 9, .	2.4	6
3211	Nanoscale biophysical properties of small extracellular vesicles from senescent cells using atomic force microscopy, surface potential microscopy, and Raman spectroscopy. Nanoscale Horizons, 2022, 7, 1488-1500.	4.1	6
3212	Extracellular vesicle microRNAs in celiac disease patients under a gluten-free diet, and in lactose intolerant individuals. BBA Advances, 2022, 2, 100053.	0.7	2
3213	Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. Micro/Nano Technologies, 2022, , 1-31.	0.1	0

#	Article	IF	Citations
3214	Advanced drug delivery systems involving lysosomal storage disorders for Fabry disease. , 2022, , 301-315.		0
3215	Size-selective filtration of extracellular vesicles with a movable-layer device. Lab on A Chip, 2022, 22, 3699-3707.	3.1	4
3216	Multiplexed strategies toward clinical translation of extracellular vesicles. Theranostics, 2022, 12, 6740-6761.	4.6	12
3217	Hepatocellular carcinoma-derived exosomal miRNA-761 regulates the tumor microenvironment by targeting the SOCS2/JAK2/STAT3 pathway. World Journal of Emergency Medicine, 2022, 13, 379.	0.5	7
3218	Organelles: Structure and Function â€“ The Late Endosome. , 2022, , .		0
3219	Intercellular Communication: What Syndecan-Syntenin May Teach us About the Molecular Mechanisms That Support Vesicular Exchanges. , 2022, , .		0
3220	Unconventional functions of miRNAs. , 2022, , 181-214.		0
3221	Turmeric-derived nanovesicles as novel nanobiologics for targeted therapy of ulcerative colitis. Theranostics, 2022, 12, 5596-5614.	4.6	41
3222	Human p11-Mediated Re-Direction of Phagosomes to the Recycling Endosome-Expulsion Pathway by a Fungal Pathogen. SSRN Electronic Journal, 0, , .	0.4	0
3223	The extracellular vesicles. , 2023, , 177-191.		0
3224	Extracellular vesicles of Clonorchis sinensis promote IL-6 and TNF-Î± secretion via the Toll-like receptor 9-mediated ERK pathway in biliary epithelial cells. Developmental and Comparative Immunology, 2023, 139, 104555.	1.0	3
3225	Crosstalk between Oxidative Stress and Exosomes. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-11.	1.9	12
3226	Canine B Cell Lymphoma- and Leukemia-Derived Extracellular Vesicles Moderate Differentiation and Cytokine Production of T and B Cells In Vitro. International Journal of Molecular Sciences, 2022, 23, 9831.	1.8	1
3227	SARS-CoV-2 and extracellular vesicles: An intricate interplay in pathogenesis, diagnosis and treatment. Frontiers in Nanotechnology, 0, 4, .	2.4	3
3228	One night of sleep deprivation induces release of small extracellular vesicles into circulation and promotes platelet activation by small <scp>EVs</scp>. Journal of Cellular and Molecular Medicine, 2022, 26, 5033-5043.	1.6	7
3229	Obesity induces extracellular vesicle release from the endothelium as a contributor to brain damage after cerebral ischemia in rats. Nutritional Neuroscience, 2023, 26, 680-695.	1.5	1
3230	Cellular nanovesicles for therapeutic immunomodulation: A perspective on engineering strategies and new advances. Acta Pharmaceutica Sinica B, 2023, 13, 1789-1827.	5.7	14
3231	Characterising extracellular vesicles from individual low volume cerebrospinal fluid samples, isolated by SmartSEC. , 2022, 1, .		3

#	Article	IF	Citations
3232	Advances in nano-based materials for glioblastoma multiforme diagnosis: A mini-review. Frontiers in Nanotechnology, 0, 4, .	2.4	4
3233	Key role of exportin 6 in exosome-mediated viral transmission from insect vectors to plants. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
3234	Transformed extracellular vesicles with high angiogenic ability as therapeutics of distal ischemic tissues. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	0
3235	Methods of the Large-Scale Production of Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 10522.	1.8	37
3236	Vasorin-containing small extracellular vesicles retard intervertebral disc degeneration utilizing an injectable thermoresponsive delivery system. Journal of Nanobiotechnology, 2022, 20, .	4.2	11
3237	Human Cytomegalovirus Modifies Placental Small Extracellular Vesicle Composition to Enhance Infection of Fetal Neural Cells In Vitro. Viruses, 2022, 14, 2030.	1.5	5
3238	Exosomal Micro-RNAs as Intercellular Communicators in Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2022, 23, 11047.	1.8	5
3239	Extracellular vesicles as a novel photosensitive drug delivery system for enhanced photodynamic therapy. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	3
3240	Microscopic and biochemical monitoring of endosomal trafficking and extracellular vesicle secretion in an endogenous in vivo model. Journal of Extracellular Vesicles, 2022, 11, .	5.5	2
3241	Large Oncosomeâ€Loaded VAPA Promotes Boneâ€Tropic Metastasis of Hepatocellular Carcinoma Via Formation of Osteoclastic Preâ€Metastatic Niche. Advanced Science, 2022, 9, .	5.6	8
3242	The Pathophysiological Role of Platelet-Derived Extracellular Vesicles. Seminars in Thrombosis and Hemostasis, 2023, 49, 279-283.	1.5	10
3243	Extracellular vesicles and their nonâ€coding RNA cargos: Emerging players in cardiovascular disease. Journal of Physiology, 2023, 601, 4989-5009.	1.3	7
3244	Roles of Exosomes in Chronic Rhinosinusitis: A Systematic Review. International Journal of Molecular Sciences, 2022, 23, 11284.	1.8	4
3245	In vivo self-assembled siRNA as a modality for combination therapy of ulcerative colitis. Nature Communications, 2022, 13, .	5.8	11
3246	ER membrane contact sites support endosomal small GTPase conversion for exosome secretion. Journal of Cell Biology, 2022, 221, .	2.3	21
3247	Late domain dependent E-cadherin recruitment into extracellular vesicles. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	0
3248	The profile of inflammatory extracellular vesicles in intracerebral hemorrhage patients. , 0, 1, .		0
3249	Impaired Autophagy Response in Hepatocellular Carcinomas Enriches Glypican-3 in Exosomes, Not in the Microvesicles. Journal of Hepatocellular Carcinoma, 0, Volume 9, 959-972.	1.8	5

#	Article	IF	Citations
3250	Liverâ€originated small extracellular vesicles with TM4SF5 target brown adipose tissue for homeostatic glucose clearance. Journal of Extracellular Vesicles, 2022, 11, .	5.5	5
3251	Advanced 3D dynamic culture system with transforming growth factor-Î²3 enhances production of potent extracellular vesicles with modified protein cargoes via upregulation of TGF-Î² signaling. Journal of Advanced Research, 2023, 47, 57-74.	4.4	5
3252	Event-triggered STED imaging. Nature Methods, 2022, 19, 1268-1275.	9.0	35
3253	New Perspectives on the Importance of Cell-Free DNA Biology. Diagnostics, 2022, 12, 2147.	1.3	24
3254	Gingival epithelial cell-derived microvesicles activate mineralization in gingival fibroblasts. Scientific Reports, 2022, 12, .	1.6	2
3255	Modelling membrane curvature generation using mechanics and machine learning. Journal of the Royal Society Interface, 2022, 19, .	1.5	0
3256	Extracellular Vesicles and the Stress System. Neuroendocrinology, 2023, 113, 120-167.	1.2	11
3257	Dental stem cell-derived extracellular vesicles transfer miR-330-5p to treat traumatic brain injury by regulating microglia polarization. International Journal of Oral Science, 2022, 14, .	3.6	9
3258	Exploring the Temporal Correlation of Sarcopenia with Bone Mineral Density and the Effects of Osteoblast-Derived Exosomes on Myoblasts through an Oxidative Stressâ€“Related Gene. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-18.	1.9	1
3259	Exosomes and cancer - Diagnostic and prognostic biomarkers and therapeutic vehicle. Oncogenesis, 2022, 11, .	2.1	59
3260	Composition, Biogenesis, and Role of Exosomes in Tumor Development. Stem Cells International, 2022, 2022, 1-12.	1.2	4
3261	Impact of Environmental Conditions on the Protein Content of Staphylococcus aureus and Its Derived Extracellular Vesicles. Microorganisms, 2022, 10, 1808.	1.6	3
3262	Targeting the Structural Integrity of Extracellular Vesicles via Nano Electrospray Gas-Phase Electrophoretic Mobility Molecular Analysis (nES GEMMA). Membranes, 2022, 12, 872.	1.4	2
3263	miR-146a-5p-modified hUCMSC-derived exosomes facilitate spinal cord function recovery by targeting neurotoxic astrocytes. Stem Cell Research and Therapy, 2022, 13, .	2.4	22
3264	Identification of Biomarkers Associated with Liver Metastasis Progression from Colorectal Cancer Using Exosomal RNA Profiling. Cancers, 2022, 14, 4723.	1.7	6
3265	Small extracellular vesicles: from promoting pre-metastatic niche formation to therapeutic strategies in breast cancer. Cell Communication and Signaling, 2022, 20, .	2.7	17
3266	Therapeutic strategies and enhanced production of stem cell-derived exosomes for tissue regeneration. Tissue Engineering - Part B: Reviews, 0, , .	2.5	2
3267	In vitro system for the growth and asexual multiplication of Taenia crassiceps cysticerci. Parasitology, 2022, 149, 1775-1780.	0.7	1

#	Article	IF	Citations
3268	Enterovirusâ€71 utilizes small extracellular vesicles to cross the bloodâ€“brain barrier for infecting the central nervous system via transcytosis. Journal of Medical Virology, 2023, 95, .	2.5	10
3269	Gallic Acid Ameliorates the Inflammatory State of Periodontal Ligament Stem Cells and Promotes Pro-Osteodifferentiation Capabilities of Inflammatory Stem Cell-Derived Exosomes. Life, 2022, 12, 1392.	1.1	2
3270	Comparative Analysis of Free-Circulating and Vesicle-Associated Plasma microRNAs of Healthy Controls and Early-Stage Lung Cancer Patients. Pharmaceutics, 2022, 14, 2029.	2.0	1
3271	Transcript Engineered Extracellular Vesicles Alleviate Alloreactive Dynamics in Renal Transplantation. Advanced Science, 2022, 9, .	5.6	3
3272	Microfluidic Technology for the Isolation and Analysis of Exosomes. Micromachines, 2022, 13, 1571.	1.4	14
3273	Extracellular vesicles and particles impact the systemic landscape of cancer. EMBO Journal, 2022, 41, .	3.5	32
3274	Exosomal lipids from membrane organization to biomarkers: Focus on an endolysosomal-specific lipid. Biochimie, 2022, 203, 77-92.	1.3	9
3275	Crosstalk between adipose tissue and the heart: An update. Journal of Translational Internal Medicine, 2022, 10, 219-226.	1.0	8
3276	Neurovascular Unit-Derived Extracellular Vesicles: From Their Physiopathological Roles to Their Clinical Applications in Acute Brain Injuries. Biomedicines, 2022, 10, 2147.	1.4	2
3277	Role of Exosomes in Pharyngucutaneous Fistula After Total Laryngectomy. International Journal of Nanomedicine, 0, Volume 17, 4119-4135.	3.3	1
3278	Understanding the Protective Role of Exosomes in Doxorubicin-Induced Cardiotoxicity. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-14.	1.9	1
3279	Exporting Proteins Associated with Senescence Repair via Extracellular Vesicles May Be Associated with Early Pregnancy Loss. Cells, 2022, 11, 2772.	1.8	8
3280	Extracellular Vesicles of Mesenchymal Stem Cells Are More Effectively Accessed through Polyethylene Glycol-Based Precipitation than by Ultracentrifugation. Stem Cells International, 2022, 2022, 1-12.	1.2	4
3281	Sevoflurane exposure induces neurotoxicity by regulating mitochondrial function of microglia due to NAD insufficiency. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	2
3282	Hepatitis Viruses Control Host Immune Responses by Modifying the Exosomal Biogenesis Pathway and Cargo. International Journal of Molecular Sciences, 2022, 23, 10862.	1.8	1
3283	Systemic proteomics and miRNA profile analysis of exosomes derived from human pluripotent stem cells. Stem Cell Research and Therapy, 2022, 13, .	2.4	22
3284	Roles of Regulatory T Cell-Derived Extracellular Vesicles in Human Diseases. International Journal of Molecular Sciences, 2022, 23, 11206.	1.8	8
3285	A novel surface functionalization platform to prime extracellular vesicles for targeted therapy and diagnostic imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2023, 47, 102607.	1.7	3

#	Article	IF	Citations
3286	Bioengineering extracellular vesicles as novel nanocarriers towards brain disorders. Nano Research, 2023, 16, 2635-2659.	5.8	2
3287	Freeze-drying: A flourishing strategy to fabricate stable pharmaceutical and biological products. International Journal of Pharmaceutics, 2022, 628, 122233.	2.6	13
3288	Non-Invasive Biomarkers for Immunotherapy in Patients with Hepatocellular Carcinoma: Current Knowledge and Future Perspectives. Cancers, 2022, 14, 4631.	1.7	12
3289	Cytokine Profiling of Amniotic Fluid from Congenital Cytomegalovirus Infection. Viruses, 2022, 14, 2145.	1.5	6
3290	Extracellular vesicleâ€bound DNA in urine is indicative of kidney allograft injury. Journal of Extracellular Vesicles, 2022, 11, .	5.5	8
3291	Membrane-Sensing Peptides for Extracellular Vesicle Analysis. Methods in Molecular Biology, 2023, , 249-257.	0.4	1
3292	Hypothesis: can transfer of primary neoplasm-derived extracellular vesicles and mitochondria contribute to the development of donor cellâ€“derived hematologic neoplasms after allogeneic hematopoietic cell transplantation?. Cytotherapy, 2022, 24, 1169-1180.	0.3	1
3293	The complex metabolic interactions of liver tissue and hepatic exosome in PCOS mice at young and middle age. Frontiers in Physiology, 0, 13, .	1.3	5
3294	Emerging roles of platelet concentrates and platelet-derived extracellular vesicles in regenerative periodontology and implant dentistry. APL Bioengineering, 2022, 6, .	3.3	9
3295	Exosomes and exosomal miRNAs: A new therapy for intervertebral disc degeneration. Frontiers in Pharmacology, 0, 13, .	1.6	8
3296	Extracellular Vesicles: A New Frontier for Cardiac Repair. Pharmaceutics, 2022, 14, 1848.	2.0	8
3297	Poreâ€forming protein <scp>Î²Î³â€CAT</scp> promptly responses to fasting with capacity to deliver macromolecular nutrients. FASEB Journal, 2022, 36, .	0.2	3
3298	Hypoxic gliomaâ€derived extracellular vesicles harboring MicroRNAâ€10bâ€5p enhance M2 polarization of macrophages to promote the development of glioma. CNS Neuroscience and Therapeutics, 2022, 28, 1733-1747.	1.9	14
3299	<scp>miR</scp>â€92aâ€3p encapsulated in bone metastatic mammary tumor cellâ€“derived extracellular vesicles modulates mature osteoclast longevity. Cancer Science, 2022, 113, 4219-4229.	1.7	5
3300	The identification of novel small extracellular vesicle (sEV) production modulators using luciferaseâ€based sEV quantification method. , 2022, 1, .		1
3301	Stem Cell-derived Extracellular Vesicles: A Promising Nano Delivery Platform to the Brain?. Stem Cell Reviews and Reports, 2023, 19, 285-308.	1.7	5
3302	Exosomal protein angiopoietin-like 4 mediated radioresistance of lung cancer by inhibiting ferroptosis under hypoxic microenvironment. British Journal of Cancer, 2022, 127, 1760-1772.	2.9	23
3303	The OSE complotype and its clinical potential. Frontiers in Immunology, 0, 13, .	2.2	1

#	Article	IF	Citations
3304	Localized delivery of nanomedicine and antibodies for combating COVID-19. Acta Pharmaceutica Sinica B, 2023, 13, 1828-1846.	5.7	5
3305	Transcriptomic Features in a Single Extracellular Vesicle via Singleâ€Cell RNA Sequencing. Small Methods, 2022, 6, .	4.6	12
3306	Extracellular vesiclesÂâ€“ upcoming biomarkers in Parkinson's disease's biofluids. Trillium Extracellular Vesicles, 2022, 4, 45-51.	0.1	0
3307	Offline Coupling of Asymmetrical Flow Field-Flow Fractionation and Capillary Electrophoresis for Separation of Extracellular Vesicles. Analytical Chemistry, 2022, 94, 14083-14091.	3.2	7
3308	Exosome loaded hydroxyapatite (HA) scaffold promotes bone regeneration in calvarial defect: an in vivo study. Cell and Tissue Banking, 2023, 24, 389-400.	0.5	4
3309	Kinesin-2 motors differentially impact biogenesis of extracellular vesicle subpopulations shed from sensory cilia. IScience, 2022, 25, 105262.	1.9	3
3310	Application of mesenchymal stem cell-derived exosomes from different sources in intervertebral disc degeneration. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	16
3311	Host microRNAs are decreased in pediatric solid-organ transplant recipients during EBV+ Post-transplant Lymphoproliferative Disorder. Frontiers in Immunology, 0, 13, .	2.2	2
3312	Enterovirus 71 non-structural protein 3A hijacks vacuolar protein sorting 25 to boost exosome biogenesis to facilitate viral replication. Frontiers in Microbiology, 0, 13, .	1.5	8
3313	Choroid plexus-derived extracellular vesicles exhibit brain targeting characteristics. Biomaterials, 2022, 290, 121830.	5.7	6
3314	Characterization of two novel neutral sphingomyelinase 2 inhibitors in endosomal sorting and Extracellular Vesicle biogenesis. Trillium Extracellular Vesicles, 2022, 4, 18-25.	0.1	0
3315	3D bioprinted extracellular vesicles for tissue engineeringâ€”a perspective. Biofabrication, 2023, 15, 013001.	3.7	10
3316	Extracellular vesicles derived from human dermal fibroblast effectively ameliorate skin photoaging via miRNA-22-5p-GDF11 axis. Chemical Engineering Journal, 2023, 452, 139553.	6.6	2
3317	Tumor-Derived Extracellular Vesicles: Multifunctional Entities in the Tumor Microenvironment. Annual Review of Pathology: Mechanisms of Disease, 2023, 18, 205-229.	9.6	22
3319	The evolving role of extracellular vesicles (exosomes) as biomarkers in traumatic brain injury: Clinical perspectives and therapeutic implications. Frontiers in Aging Neuroscience, 0, 14, .	1.7	9
3320	Proteomic profiling of serum extracellular vesicles identifies diagnostic markers for echinococcosis. PLoS Neglected Tropical Diseases, 2022, 16, e0010814.	1.3	4
3322	Tissue factor in COVID-19-associated coagulopathy. Thrombosis Research, 2022, 220, 35-47.	0.8	16
3323	Inhibition of Cerebral Ischemia/Reperfusion Injury by MSCs-Derived Small Extracellular Vesicles in Rodent Models: A Systematic Review and Meta-Analysis. Neural Plasticity, 2022, 2022, 1-15.	1.0	2

#	Article	IF	Citations
3324	Phagocytosing differentiated cell-fragments is a novel mechanism for controlling somatic stem cell differentiation within a short time frame. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	9
3325	Quantitative Analysis of Extracellular Vesicle Uptake and Fusion with Recipient Cells. Bioconjugate Chemistry, 0, , .	1.8	3
3326	Highly Selective Purification of Plasma Extracellular Vesicles Using Titanium Dioxide Microparticles for Depicting the Metabolic Signatures of Diabetic Retinopathy. Analytical Chemistry, 2022, 94, 14099-14108.	3.2	9
3327	Immuno-digital invasive cleavage assay for analyzing Alzheimerâ€™s amyloid ÃŸ-bound extracellular vesicles. Alzheimer's Research and Therapy, 2022, 14, .	3.0	7
3328	Advantage of extracellular vesicles in hindering the CD47 signal for cancer immunotherapy. Journal of Controlled Release, 2022, 351, 727-738.	4.8	4
3329	Extracellular vesicles over adeno-associated viruses: Advantages and limitations as drug delivery platforms in precision medicine. Advanced Drug Delivery Reviews, 2022, 190, 114535.	6.6	12
3330	Extracellular vesicles present in bone, blood and extracellular matrix have distinctive characteristics and biologic roles. Journal of Immunology and Regenerative Medicine, 2022, 18, 100066.	0.2	0
3331	Endometrial and oviduct extra-cellular vescicles for inÂvitro equine sperm hyperactivation and oocyte fertilization. Theriogenology, 2022, 194, 35-45.	0.9	0
3332	A noncanonical endocytic pathway is involved in the internalization of 3 Î¼m polystyrene beads into HeLa cells. Biomaterials Science, 2022, 10, 7093-7102.	2.6	1
3333	Artificial Exosomes as Targeted Drug Delivery Systems. Nanotechnology in the Life Sciences, 2022, , 123-147.	0.4	1
3334	A new cell-free therapeutic strategy for liver regeneration: Human placental mesenchymal stem cell-derived extracellular vesicles. Journal of Tissue Engineering, 2022, 13, 204173142211320.	2.3	7
3335	Cancer-associated Fibroblasts Communicate with Breast Tumor Cells Through Extracellular Vesicles in Tumor Development. Technology in Cancer Research and Treatment, 2022, 21, 153303382211316.	0.8	3
3336	Dual Role of Extracellular Vesicles in Sepsis-Associated Kidney and Lung Injury. Biomedicines, 2022, 10, 2448.	1.4	2
3337	Hypoxic ASCs-derived Exosomes Attenuate Colitis by Regulating Macrophage Polarization via miR-216a-5p/HMGB1 Axis. Inflammatory Bowel Diseases, 2023, 29, 602-619.	0.9	13
3338	The Emerging Role of Extracellular Vesicles and Autophagy Machinery in NASHâ€”Future Horizons in NASH Management. International Journal of Molecular Sciences, 2022, 23, 12185.	1.8	6
3339	Quantitative proteomics and biological activity of extracellular vesicles engineered to express SARSâ€CoVâ€2 spike protein. , 2022, 1, .		2
3340	Tumorâ€derived extracellular vesicles confer 5â€fluorouracil resistance in esophageal cancer via long noncoding RNA AC116025.2 delivery. Molecular Carcinogenesis, 0, , .	1.3	1
3341	High-resolution atomic force microscopy as a tool for topographical mapping of surface budding. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2

#	Article	IF	Citations
3342	Molecular Mechanisms Mediating the Transfer of Disease-Associated Proteins and Effects on Neuronal Activity. Journal of Parkinson's Disease, 2022, 12, 2397-2422.	1.5	2
3344	Metabolic labeling of cardiomyocyteâ€derived small extracellularâ€vesicle (sEV) miRNAs identifies miRâ€208a in cardiac regulation of lung gene expression. Journal of Extracellular Vesicles, 2022, 11, .	5.5	4
3345	Selective immunocapture reveals neoplastic human mast cells secrete distinct microvesicleâ€and exosomeâ€like populations of KITâ€containing extracellular vesicles. Journal of Extracellular Vesicles, 2022, 11, .	5.5	7
3346	Rapid production method with increased yield of highâ€purity extracellular vesicles obtained using extended mitochondrial targeting domain peptide. Journal of Extracellular Vesicles, 2022, 11, .	5.5	8
3347	A composite hydrogel containing resveratrol-laden nanoparticles and platelet-derived extracellular vesicles promotes wound healing in diabetic mice. Acta Biomaterialia, 2022, 154, 212-230.	4.1	40
3348	The dark side of foetal bovine serum in extracellular vesicle studies. Journal of Extracellular Vesicles, 2022, 11, .	5.5	21
3350	Largeâ€scale production of extracellular vesicles: Report on the â€œmassivEVsâ€•ISEV workshop. , 2022, 1, .		20
3351	Targeting drugs to tumours using cell membrane-coated nanoparticles. Nature Reviews Clinical Oncology, 2023, 20, 33-48.	12.5	176
3352	Tracking matricellular protein SPARC in extracellular vesicles as a non-destructive method to evaluate lipid-based antifibrotic treatments. Communications Biology, 2022, 5, .	2.0	6
3353	Exosomal miR-140-5p inhibits osteogenesis by targeting IGF1R and regulating the mTOR pathway in ossification of the posterior longitudinal ligament. Journal of Nanobiotechnology, 2022, 20, .	4.2	7
3354	Metabolic Homeostasisâ€Regulated Nanoparticles for Antibodyâ€Independent Cancer Radioâ€Immunotherapy. Advanced Materials, 2022, 34, .	11.1	20
3355	ESP-B4 promotes nasal epithelial cell-derived extracellular vesicles containing miR-146a-5p to modulate Smad3/GATA-3 thus relieving allergic rhinitis. Phytomedicine, 2022, , 154516.	2.3	0
3356	Characteristics of Exosomes and the Vascular Landscape Regulate Exosome Sequestration by Peripheral Tissues and Brain. International Journal of Molecular Sciences, 2022, 23, 12513.	1.8	5
3357	The role of miRNAs from mesenchymal stem/stromal cells-derived extracellular vesicles in neurological disorders. Human Cell, 2023, 36, 62-75.	1.2	6
3358	Cellular senescence in ischemia/reperfusion injury. Cell Death Discovery, 2022, 8, .	2.0	3
3359	An optimized exosome production strategy for enhanced yield while without sacrificing cargo loading efficiency. Journal of Nanobiotechnology, 2022, 20, .	4.2	6
3360	Exosomes as CNS Drug Delivery Tools and Their Applications. Pharmaceutics, 2022, 14, 2252.	2.0	21
3361	Intercellular transfer of activated STING triggered by RAB22A-mediated non-canonical autophagy promotes antitumor immunity. Cell Research, 2022, 32, 1086-1104.	5.7	31

#	Article	IF	Citations
3362	Bone marrow mesenchymal stem cell-derived exosomal miR-21a-5p alleviates renal fibrosis by attenuating glycolysis by targeting PFKM. Cell Death and Disease, 2022, 13, .	2.7	13
3363	Targeting EndocytosisÂ and Cell CommunicationsÂÂin the Tumor Immune Microenvironment. Cell Communication and Signaling, 2022, 20, .	2.7	3
3364	Shedding of ciliary vesicles at a glance. Journal of Cell Science, 2022, 135, .	1.2	14
3365	Involvement of ceramide biosynthesis in increased extracellular vesicle release in Pkd1 knock out cells. Frontiers in Endocrinology, 0, 13, .	1.5	1
3366	Plasmofluidic-Based Near-Field Optical Trapping of Dielectric Nano-Objects Using Gold Nanoislands Sensor Chips. ACS Applied Materials & Interfaces, 2022, 14, 47409-47419.	4.0	5
3368	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. Frontiers in Immunology, 0, 13, .	2.2	0
3369	Microglial exosomal miR-466i-5p induces brain injury via promoting hippocampal neuron apoptosis in heatstroke. Frontiers in Immunology, 0, 13, .	2.2	5
3370	CD11c+ myeloid cell exosomes reduce intestinal inflammation during colitis. JCI Insight, 2022, 7, .	2.3	4
3371	Extracellular vesicles from gastric epithelial GES-1 cells infected with Helicobacter pylori promote changes in recipient cells associated with malignancy. Frontiers in Oncology, 0, 12, .	1.3	2
3372	Exosomes from Adipose Stem Cells Promote Diabetic Wound Healing through the eHSP90/LRP1/AKT Axis. Cells, 2022, 11, 3229.	1.8	17
3373	A new track for antibacterial treatment: Progress and challenges of using cytomembrane-based vesicles to combat bacteria. Particuology, 2023, 78, 136-146.	2.0	1
3374	Extracellular Vesicles in Veterinary Medicine. Animals, 2022, 12, 2716.	1.0	4
3375	Contaminating transfection complexes can masquerade as small extracellular vesicles and impair their delivery of RNA. Journal of Extracellular Vesicles, 2022, 11, .	5.5	9
3376	Potential Mechanisms of Gut-Derived Extracellular Vesicle Participation in Glucose and Lipid Homeostasis. Genes, 2022, 13, 1964.	1.0	2
3377	Engineered stem cell exosomes for oral and maxillofacial wound healing. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	4
3378	Mesenchymal Stem Cell-Derived Extracellular Vesicles for Therapeutic Use and in Bioengineering Applications. Cells, 2022, 11, 3366.	1.8	10
3379	TRAIL in the Treatment of Cancer: From Soluble Cytokine to Nanosystems. Cancers, 2022, 14, 5125.	1.7	13
3380	Exosomal MicroRNAs as Novel Cell-Free Therapeutics in Tissue Engineering and Regenerative Medicine. Biomedicines, 2022, 10, 2485.	1.4	8

#	Article	IF	Citations
3381	Increased circulating microparticles contribute to severe infection and adverse outcomes of COVID-19 patients with diabetes. American Journal of Physiology - Heart and Circulatory Physiology, 0, , .	1.5	0
3382	The role of milk-derived exosomes in the treatment of diseases. Frontiers in Genetics, 0, 13, .	1.1	22
3383	Extracellular vesicles as advanced therapeutics for the resolution of organ fibrosis: Current progress and future perspectives. Frontiers in Immunology, 0, 13, .	2.2	5
3384	Extracellular Vesicles in Cancer Drug Resistance: Roles, Mechanisms, and Implications. Advanced Science, 2022, 9, .	5.6	28
3385	Gut bacterial extracellular vesicles: important players in regulating intestinal microenvironment. Gut Microbes, 2022, 14, .	4.3	18
3386	The Experimental Study of Periodontal Ligament Stem Cells Derived Exosomes with Hydrogel Accelerating Bone Regeneration on Alveolar Bone Defect. Pharmaceutics, 2022, 14, 2189.	2.0	18
3387	PCSK9 Confers Inflammatory Properties to Extracellular Vesicles Released by Vascular Smooth Muscle Cells. International Journal of Molecular Sciences, 2022, 23, 13065.	1.8	10
3388	Platelets and platelet extracellular vesicles in drug delivery therapy: A review of the current status and future prospects. Frontiers in Pharmacology, 0, 13, .	1.6	12
3389	M1 Macrophage-Derived Sonoresponsive Nanoparticles for Sonodynamic Anticancer Therapy. International Journal of Nanomedicine, 0, Volume 17, 4725-4741.	3.3	5
3390	Transfection reagent artefact likely accounts for some reports of extracellular vesicle function. Journal of Extracellular Vesicles, 2022, 11, .	5.5	8
3391	Extracellular Vesicles Derived from Lung Cancer Cells Induce Transformation of Normal Fibroblasts into Lung Cancer-Associated Fibroblasts and Promote Metastasis of Lung Cancer by Delivering lncRNA HOTAIR. Stem Cells International, 2022, 2022, 1-13.	1.2	7
3393	Single-Vesicle Infrared Nanoscopy for Noninvasive Tumor Malignancy Diagnosis. Journal of the American Chemical Society, 2022, 144, 20278-20287.	6.6	8
3394	A novel microRNA signature for the detection of melanoma by liquid biopsy. Journal of Translational Medicine, 2022, 20, .	1.8	9
3395	Advances of engineered extracellular vesicles-based therapeutics strategy. Science and Technology of Advanced Materials, 2022, 23, 655-681.	2.8	11
3396	Brain Microvascular Endothelial Cell-Derived Exosomes Protect Neurons from Ischemiaâ€“Reperfusion Injury in Mice. Pharmaceuticals, 2022, 15, 1287.	1.7	5
3397	Neutrophil Extracellular Vesicles and Airway Smooth Muscle Proliferation in the Natural Model of Severe Asthma in Horses. Cells, 2022, 11, 3347.	1.8	2
3398	Exploration of cerebral vasospasm from the perspective of microparticles. Frontiers in Neuroscience, 0, 16, .	1.4	1
3399	The Emerging Role of Extracellular Vesicles from Mesenchymal Stem Cells and Macrophages in Pulmonary Fibrosis: Insights into miRNA Delivery. Pharmaceuticals, 2022, 15, 1276.	1.7	6

#	Article	IF	Citations
3400	HPV-Related Cervical Cancer and Extracellular Vesicles. Diagnostics, 2022, 12, 2584.	1.3	2
3401	Structural investigation of eukaryotic cells: From the periphery to the interior by cryo-electron tomography. Advances in Biological Regulation, 2023, 87, 100923.	1.4	3
3402	Role of Extracellular Vesicles in Thyroid Physiology and Diseases: Implications for Diagnosis and Treatment. Biomedicines, 2022, 10, 2585.	1.4	4
3403	Extracellular vesicles-mediated transfer of lncRNA CLDN10-AS1 aggravates low-density lipoprotein-induced vascular endothelial injury. Physiological Genomics, 0, , .	1.0	1
3404	The Importance of Using Exosome-Loaded miRNA for the Treatment of Spinal Cord Injury. Molecular Neurobiology, 2023, 60, 447-459.	1.9	10
3405	The role of extracellular vesicles in vascular calcification in chronic kidney disease. Frontiers in Medicine, 0, 9, .	1.2	1
3406	Adipose-Secreted Exosomes and Their Pathophysiologic Effects on Skeletal Muscle. International Journal of Molecular Sciences, 2022, 23, 12411.	1.8	5
3408	Exosomes and mimics as novel delivery platform for cancer therapy. Frontiers in Pharmacology, 0, 13, .	1.6	5
3409	The role of small extracellular vesicle non-coding RNAs in kidney diseases. Frontiers in Genetics, 0, 13, .	1.1	1
3410	Plasma Extracellular Vesicle Serpin G1 and CD14 Levels are Associated with Major Adverse Cardiovascular Events and Major Adverse Limb Events in Patients Undergoing Femoral Endarterectomy. European Journal of Vascular and Endovascular Surgery, 2023, 65, 282-290.	0.8	1
3412	LC3-dependent EV loading and secretion (LDELS) promotes TFRC (transferrin receptor) secretion via extracellular vesicles. Autophagy, 2023, 19, 1551-1561.	4.3	8
3413	Extracellular vesicles: A new paradigm in understanding, diagnosing and treating neurodegenerative disease. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
3414	Exosomes from human umbilical cord mesenchymal stem cells protect aortas in Db/db mice characterized by combination of metabolomics and proteomics. Archives of Biochemistry and Biophysics, 2022, 731, 109430.	1.4	2
3415	Next generation of neurological therapeutics: Native and bioengineered extracellular vesicles derived from stem cells. Asian Journal of Pharmaceutical Sciences, 2022, 17, 779-797.	4.3	4
3416	Extracellular Vesicles in Diffuse Large B Cell Lymphoma: Characterization and Diagnostic Potential. International Journal of Molecular Sciences, 2022, 23, 13327.	1.8	4
3417	Unlocking the promise of mRNA therapeutics. Nature Biotechnology, 2022, 40, 1586-1600.	9.4	107
3418	Adipose-derived stem cells exosome and its potential applications in autologous fat grafting. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2023, 76, 219-229.	0.5	4
3419	Extracellular vesicles derived from the choroid plexus trigger the differentiation of neural stem cells. Journal of Extracellular Vesicles, 2022, 11, .	5.5	4

#	Article	IF	Citations
3420	Computational analysis of serum-derived extracellular vesicle miRNAs in juvenile sheep model of single stage Fontan procedure. , 2022, 1, 100013.		1
3421	Exosomal circRNAs: A key factor of tumor angiogenesis and therapeutic intervention. Biomedicine and Pharmacotherapy, 2022, 156, 113921.	2.5	2
3422	The emerging roles of exosome-derived noncoding RNAs in the tumor immune microenvironment and their future applications. Biomedicine and Pharmacotherapy, 2022, 156, 113863.	2.5	5
3423	Biofunction and clinical potential of extracellular vesicles from methicillin-resistant Staphylococcus aureus. Microbiological Research, 2023, 266, 127238.	2.5	1
3424	Biogenesis and release of endothelial extracellular vesicles: Morphological aspects. Annals of Anatomy, 2023, 245, 152006.	1.0	6
3425	Fatty hepatocyte-derived exosomal miR-122 promotes lipid synthesis and reduces immunocompetence in grass carp (Ctenopharyngodon idella). Aquaculture, 2023, 563, 738921.	1.7	0
3426	Crosstalk between extracellular vesicles and tumor-associated macrophage in the tumor microenvironment. Cancer Letters, 2023, 552, 215979.	3.2	10
3427	Plant-derived nanovesicles: Current understanding and applications for cancer therapy. Bioactive Materials, 2023, 22, 365-383.	8.6	23
3428	Breakthrough of extracellular vesicles in pathogenesis, diagnosis and treatment of osteoarthritis. Bioactive Materials, 2023, 22, 423-452.	8.6	12
3429	Bovine milk exosomes affected proliferation of macrophages under hypoxia. Current Research in Food Science, 2022, 5, 2108-2113.	2.7	4
3430	The Stem Cell Continuum Model and Implications in Cancer. , 2022, , 1255-1278.		0
3431	Emerging noncoding RNAs contained in extracellular vesicles: rising stars as biomarkers in lung cancer liquid biopsy. Therapeutic Advances in Medical Oncology, 2022, 14, 175883592211312.	1.4	6
3432	Translational proteomics and phosphoproteomics: Tissue to extracellular vesicles. Advances in Clinical Chemistry, 2023, , 119-153.	1.8	1
3433	Functional Roles of Exosomes in Allergic Contact Dermatitis. Journal of Microbiology and Biotechnology, 2022, , .	0.9	1
3434	Host Cellular Response during Enterohaemorrhagic Escherichia coli Shiga Toxin Exposure. Microbiology and Biotechnology Letters, 2022, 50, 441-456.	0.2	0
3435	NKG2Dâ€mediated cytotoxicity improves after primary surgery for highâ€grade serous ovarian cancer. American Journal of Reproductive Immunology, 0, , .	1.2	2
3436	Strategies and challenges for non-viral delivery of non-coding RNAs to the heart. Trends in Molecular Medicine, 2023, 29, 70-91.	3.5	6
3437	Future perspective of stem cell-derived exosomes: Cell-free therapeutic strategies for retinal degeneration. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	1

#	Article	IF	Citations
3438	The Microbiota Is Not an Organ: Introducing the Muco-Microbiotic Layer as a Novel Morphofunctional Structure. , 2022, 1, 186-203.		3
3439	Biomimetic nanomedicines for precise atherosclerosis theranostics. Acta Pharmaceutica Sinica B, 2023, 13, 4442-4460.	5.7	6
3440	Seminal extracellular vesicles subsets modulate gene expression in cumulus cells of porcine in vitro matured oocytes. Scientific Reports, 2022, 12, .	1.6	6
3441	From Promise to Reality: Bioengineering Strategies to Enhance the Therapeutic Potential of Extracellular Vesicles. Bioengineering, 2022, 9, 675.	1.6	3
3442	Current Perspectives on Adult Mesenchymal Stromal Cell-Derived Extracellular Vesicles: Biological Features and Clinical Indications. Biomedicines, 2022, 10, 2822.	1.4	8
3443	Extracellular Vesicle (EVs) Associated Non-Coding RNAs in Lung Cancer and Therapeutics. International Journal of Molecular Sciences, 2022, 23, 13637.	1.8	9
3444	A largeâ€scale targeted proteomics of plasma extracellular vesicles shows utility for prognosis prediction subtyping in colorectal cancer. Cancer Medicine, 2023, 12, 7616-7626.	1.3	6
3445	Progress and gaps of extracellular vesicle-mediated intercellular cargo transfer in the central nervous system. Communications Biology, 2022, 5, .	2.0	4
3446	Bioinformatics tools and data resources for assay development of fluid protein biomarkers. Biomarker Research, 2022, 10, .	2.8	8
3447	Emerging Raman spectroscopy and saliva-based diagnostics: from challenges to applications. Applied Spectroscopy Reviews, 0, , 1-38.	3.4	8
3448	Extracellular vesicles from seminal plasma to improve fertilizing capacity of bulls. Reproduction and Fertility, 2022, 3, 313-327.	0.6	3
3450	Exosomal noncoding RNAs in central nervous system diseases: biological functions and potential clinical applications. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	18
3451	Role of extracellular vesicles in cancer-specific interactions between tumour cells and the vasculature. Seminars in Cancer Biology, 2022, 87, 196-213.	4.3	6
3452	The role of microglial exosomes in brain injury. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	2
3453	Proteomic profiling of intestinal epithelialâ€like cellâ€derived exosomes regulated by epigallocatechin gallate. BioFactors, 0, , .	2.6	0
3454	Exosome mimetics derived from bone marrow mesenchymal stem cells deliver doxorubicin to osteosarcoma in vitro and in vivo. Drug Delivery, 2022, 29, 3291-3303.	2.5	16
3455	Microfluidic strategies for the isolation and profiling of exosomes. TrAC - Trends in Analytical Chemistry, 2023, 158, 116834.	5.8	13
3456	Exosomal EphA2 promotes tumor metastasis of triple-negative breast cancer by damaging endothelial barrier. Clinical and Experimental Metastasis, 2023, 40, 105-116.	1.7	5

#	Article	IF	Citations
3457	How Do Extracellular Vesicles Play a Key Role in the Maintenance of Bone Homeostasis and Regeneration? A Comprehensive Review of Literature. International Journal of Nanomedicine, 0, Volume 17, 5375-5389.	3.3	7
3458	Urinary extracellular vesicles signature for diagnosis of kidney disease. IScience, 2022, 25, 105416.	1.9	7
3459	Advances in Extracellular Vesicle Nanotechnology for Precision Theranostics. Advanced Science, 2023, 10, .	5.6	23
3460	Plasma Extracellular Vesicle Long RNA in Diagnosis and Prediction in Small Cell Lung Cancer. Cancers, 2022, 14, 5493.	1.7	1
3461	Tumor-Derived Exosomes and Their Role in Breast Cancer Metastasis. International Journal of Molecular Sciences, 2022, 23, 13993.	1.8	7
3462	Defocus Corrected Large Area Cryo-EM (DeCo-LACE) for label-free detection of molecules across entire cell sections. ELife, 0, 11, .	2.8	5
3463	Extracellular membrane vesicles from Limosilactobacillus reuteri strengthen the intestinal epithelial integrity, modulate cytokine responses and antagonize activation of TRPV1. Frontiers in Microbiology, 0, 13, .	1.5	10
3464	â€œAll-in-Oneâ€•Exosome Engineering Strategy for Effective Therapy of Familial Hypercholesterolemia. ACS Applied Materials & Interfaces, 2022, 14, 50626-50636.	4.0	2
3465	Plasma exosomal miR-122 regulates the efficacy of metformin via AMPK in type 2 diabetes and hepatocellular carcinoma. Heliyon, 2022, 8, e11503.	1.4	2
3467	Extracellular Vesicles as an Endocrine Mechanism Connecting Distant Cells. Molecules and Cells, 2022, 45, 771-780.	1.0	5
3468	Extracellular Vesicles: A New Promise for the Prevention of Bronchopulmonary Dysplasia. American Journal of Perinatology, 0, , .	0.6	0
3469	Extracellular Vesicles in Multiple Myelomaâ€”Cracking the Code to a Better Understanding of the Disease. Cancers, 2022, 14, 5575.	1.7	3
3470	Non-Coding RNAs in Regulating Plaque Progression and Remodeling of Extracellular Matrix in Atherosclerosis. International Journal of Molecular Sciences, 2022, 23, 13731.	1.8	6
3471	ERâ€“endosome contacts master the ins and outs of secretory endosomes. Journal of Cell Biology, 2022, 221, .	2.3	0
3472	Exosomes loaded with ultrasmall Pt nanoparticles: a novel low-toxicity alternative to cisplatin. Journal of Nanobiotechnology, 2022, 20, .	4.2	6
3473	Pathological 25 kDa C-Terminal Fragments of TDP-43 Are Present in Lymphoblastoid Cell Lines and Extracellular Vesicles from Patients Affected by Frontotemporal Lobar Degeneration and Neuronal Ceroidolipofuscinosis Carrying a GRN Mutation. International Journal of Molecular Sciences, 2022, 23, 13753.	1.8	1
3474	MSC-EV therapy for bone/cartilage diseases. Bone Reports, 2022, 17, 101636.	0.2	5
3475	Advanced microfluidic technologies for isolating extracellular vesicles. TrAC - Trends in Analytical Chemistry, 2022, 157, 116817.	5.8	12

#	Article	IF	Citations
3476	Enterovirus 71-induced autophagosome fusion with multivesicular bodies facilitates viral RNA packaging into exosomes. Microbial Pathogenesis, 2022, 173, 105875.	1.3	0
3477	Cell-Free Amniotic Fluid and Regenerative Medicine: Current Applications and Future Opportunities. Biomedicines, 2022, 10, 2960.	1.4	2
3479	Comparison of Methods for MicroRNA Isolation from Extracellular Vesicles Obtained from Ascitic Fluids. Biochemistry (Moscow), 2022, 87, 1354-1366.	0.7	0
3480	Challenges and future scope of exosomes in the treatment of cardiovascular diseases. Journal of Physiology, 2023, 601, 4873-4893.	1.3	7
3481	Megakaryocyte- and Platelet-Derived Microparticles as Novel Diagnostic and Prognostic Biomarkers for Immune Thrombocytopenia. Journal of Clinical Medicine, 2022, 11, 6776.	1.0	3
3482	Bioinspired and biomimetic conjugated drug delivery system(s): A biohybrid concept combining cell(s) and drug delivery carrier(s). , 2023, , 465-483.		0
3483	Extracellular Vesicles and Vascular Activity. , 2022, , 287-312.		0
3484	The Roles of Extracellular Vesicles and Circulating Noncoding RNAs in Laryngeal Cancer and Their Implication on Diagnosis, Prognosis, and Therapy. , 2022, , .		0
3485	Engineered biomembrane-derived nanoparticles for nanoscale theranostics. Theranostics, 2023, 13, 20-39.	4.6	24
3486	Future in precise surgery: Fluorescence-guided surgery using EVs derived fluorescence contrast agent. Journal of Controlled Release, 2023, 353, 832-841.	4.8	2
3487	Nanocatalysis meets microfluidics: A powerful platform for sensitive bioanalysis. TrAC - Trends in Analytical Chemistry, 2023, 158, 116887.	5.8	10
3488	Exosomal long non-coding RNA TRAFD1-4:1 derived from fibroblast-like synoviocytes suppresses chondrocyte proliferation and migration by degrading cartilage extracellular matrix in rheumatoid arthritis. Experimental Cell Research, 2023, 422, 113441.	1.2	7
3489	Metabolites as extracellular vesicle cargo in health, cancer, pleural effusion, and cardiovascular diseases: An emerging field of study to diagnostic and therapeutic purposes. Biomedicine and Pharmacotherapy, 2023, 157, 114046.	2.5	12
3490	N-acetylglucosaminyltransferase-V (GnT-V)-enriched small extracellular vesicles mediate N-glycan remodeling in recipient cells. IScience, 2023, 26, 105747.	1.9	4
3491	Treadmill exercise exerts a synergistic effect with bone marrow mesenchymal stem cell-derived exosomes on neuronal apoptosis and synaptic-axonal remodeling. Neural Regeneration Research, 2023, 18, 1293.	1.6	12
3492	microRNA-100 shuttled by human umbilical cord MSC-secreted extracellular vesicles induces endometriosis by inhibiting HS3ST2. Cellular Signalling, 2023, 102, 110532.	1.7	1
3493	Therapeutic and diagnostic potential of extracellular vesicles in amyotrophic lateral sclerosis. , 2023, 2, 100019.		1
3494	Mixed lineage kinase domain-like pseudokinase: Conventional (necroptosis) and unconventional (necroptosis-independent) functions and features. Advances in Protein Chemistry and Structural Biology, 2022, , .	1.0	0

#	Article	IF	Citations
3495	Advances in exosome analysis. Advances in Clinical Chemistry, 2023, , 69-117.	1.8	9
3496	Subcellular elements responsive to the biomechanical activity of triple-negative breast cancer-derived small extracellular vesicles. Biomolecular Concepts, 2022, 13, 322-333.	1.0	2
3497	miR-17-92 cluster in osteoarthritis: Regulatory roles and clinical utility. Frontiers in Genetics, 0, 13, .	1.1	3
3498	The Pathophysiological Significance of â€œMitochondrial Ejectionâ€•from Cells. Biomolecules, 2022, 12, 1770.	1.8	2
3499	Emerging role of mesenchymal stem cell-derived extracellular vesicles in oral and craniomaxillofacial tissue regenerative medicine. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	2
3500	Lectin-Based Study Reveals the Presence of Disease-Relevant Glycoepitopes in Bladder Cancer Cells and Ectosomes. International Journal of Molecular Sciences, 2022, 23, 14368.	1.8	3
3501	Extracellular Vesicles from Human Umbilical Cord-Derived MSCs Affect Vessel Formation In Vitro and Promote VEGFR2-Mediated Cell Survival. Cells, 2022, 11, 3750.	1.8	4
3502	Extracellular vesicles derived from cancer-associated fibroblasts carry tumor-promotive microRNA-1228-3p to enhance the resistance of hepatocellular carcinoma cells to sorafenib. Human Cell, 2023, 36, 296-311.	1.2	9
3503	Evaluation and manipulation of tissue and cellular distribution of cardiac progenitor cell-derived extracellular vesicles. Frontiers in Pharmacology, 0, 13, .	1.6	4
3504	Exosomal transfer of microRNA-590-3p between renal tubular epithelial cells after renal ischemia-reperfusion injury regulates autophagy by targeting TRAF6. Chinese Medical Journal, 2022, 135, 2467-2477.	0.9	5
3505	Scalable Generation of Nanovesicles from Human-Induced Pluripotent Stem Cells for Cardiac Repair. International Journal of Molecular Sciences, 2022, 23, 14334.	1.8	17
3507	Non-Coding RNAs of Extracellular Vesicles: Key Players in Organ-Specific Metastasis and Clinical Implications. Cancers, 2022, 14, 5693.	1.7	3
3508	Genetically Engineered Extracellular Vesicles Harboring Transmembrane Scaffolds Exhibit Differences in Their Size, Expression Levels of Specific Surface Markers and Cell-Uptake. Pharmaceutics, 2022, 14, 2564.	2.0	4
3509	Extracellular Vesicles in Chronic Demyelinating Diseases: Prospects in Treatment and Diagnosis of Autoimmune Neurological Disorders. Life, 2022, 12, 1943.	1.1	1
3510	Human Blood Extracellular Vesicles Activate Transcription of NF-kB-Dependent Genes in A549 Lung Adenocarcinoma Cells. Current Issues in Molecular Biology, 2022, 44, 6028-6045.	1.0	0
3511	Aging and Mesenchymal Stem Cells: Basic Concepts, Challenges and Strategies. Biology, 2022, 11, 1678.	1.3	11
3512	Graphene Oxide Enhances Biogenesis and Release of Exosomes in Human Ovarian Cancer Cells. International Journal of Nanomedicine, 0, Volume 17, 5697-5731.	3.3	6
3513	Extracellular Vesicles from Bothrops jararaca Venom Are Diverse in Structure and Protein Composition and Interact with Mammalian Cells. Toxins, 2022, 14, 806.	1.5	1

#	Article	IF	Citations
3514	M2 Macrophage-Derived Exosomal Ferritin Heavy Chain Promotes Colon Cancer Cell Proliferation. Biological Trace Element Research, 2023, 201, 3717-3728.	1.9	7
3515	An Update on Peripheral Blood Extracellular Vesicles as Biomarkers for Parkinson's Disease Diagnosis. Neuroscience, 2023, 511, 131-146.	1.1	4
3516	Extracellular vesicles of Candida albicans regulate its own growth through the l-arginine/nitric oxide pathway. Applied Microbiology and Biotechnology, 2023, 107, 355-367.	1.7	7
3517	Extracellular signals regulate the biogenesis of extracellular vesicles. Biological Research, 2022, 55, .	1.5	22
3518	Dissecting exosome inhibitors: therapeutic insights into small-molecule chemicals against cancer. Experimental and Molecular Medicine, 2022, 54, 1833-1843.	3.2	17
3519	Extracellular Vesicles from Ocular Melanoma Have Pro-Fibrotic and Pro-Angiogenic Properties on the Tumor Microenvironment. Cells, 2022, 11, 3828.	1.8	3
3520	Fluorescence Spectroscopic Analysis of Lateral and Transbilayer Fluidity of Exosome Membranes. Langmuir, 2022, 38, 14695-14703.	1.6	4
3521	PTEN Deficiency Facilitates Exosome Secretion and Metastasis in Cholangiocarcinoma by Impairing TFEB-mediated Lysosome Biogenesis. Gastroenterology, 2023, 164, 424-438.	0.6	16
3522	Extracellular vesicles: A potential future strategy for dental and maxillofacial tissue repair and regeneration. Frontiers in Physiology, 0, 13, .	1.3	2
3523	Tumor-Derived Small Extracellular Vesicles Involved in Breast Cancer Progression and Drug Resistance. International Journal of Molecular Sciences, 2022, 23, 15236.	1.8	2
3524	Research landscape of exosomes in platelets from 2000 to 2022: A bibliometric analysis. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	0
3525	Functional roles of mesenchymal stem cell-derived exosomes in ischemic stroke treatment. Current Stem Cell Research and Therapy, 2022, 18, .	0.6	0
3526	Multi-parameter Inputted Logic-Gating on Aptamer-Encoded Extracellular Vesicles for Colorectal Cancer Diagnosis. Analytical Chemistry, 0, , .	3.2	3
3527	Roadmap on Nanomedicine for the Central Nervous System. JPhys Materials, 0, , .	1.8	1
3528	Amniotic fluid stem cells: A novel treatment for necrotizing enterocolitis. Frontiers in Pediatrics, 0, 10, .	0.9	1
3529	Extracellular vesicle DNA from human melanoma tissues contains cancer-specific mutations. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	1
3530	The Role of microRNAs in Inflammation. International Journal of Molecular Sciences, 2022, 23, 15479.	1.8	23
3531	The Obligate Intracellular Bacterial Pathogen Anaplasma phagocytophilum Exploits Host Cell Multivesicular Body Biogenesis for Proliferation and Dissemination. MBio, 2022, 13, .	1.8	10

#	Article	IF	Citations
3532	Building predictive disease models using extracellular vesicle microscale flow cytometry and machine learning. Molecular Oncology, 2023, 17, 407-421.	2.1	4
3533	Label-free relative quantitative proteomics reveals extracellular vesicles as a vehicle for Salmonella effector protein delivery. Frontiers in Microbiology, 0, 13, .	1.5	0
3534	Biomimetic cell-derived nanocarriers in cancer research. Journal of Nanobiotechnology, 2022, 20, .	4.2	19
3535	The role of extracellular vesicles and interleukin-8 in regulating and mediating neutrophil-dependent cancer drug resistance. Frontiers in Oncology, 0, 12, .	1.3	2
3536	Noninvasive Multiplexed Analysis of Bladder Cancer-Derived Urine Exosomes via Janus Magnetic Microspheres. Analytical Chemistry, 2022, 94, 18034-18041.	3.2	12
3537	Cell-Derived Vesicles for mRNA Delivery. Pharmaceutics, 2022, 14, 2699.	2.0	3
3538	Extracellular Vesicleâ€“Packaged circATP2B4 Mediates M2 Macrophage Polarization via miR-532-3p/SREBF1 Axis to Promote Epithelial Ovarian Cancer Metastasis. Cancer Immunology Research, 2023, 11, 199-216.	1.6	11
3539	Milk Exosomes Facilitate Oral Delivery of Drugs against Intestinal Bacterial Infections. Journal of Agricultural and Food Chemistry, 2022, 70, 16069-16079.	2.4	8
3540	Protozoa-Derived Extracellular Vesicles on Intercellular Communication with Special Emphasis on Giardia lamblia. Microorganisms, 2022, 10, 2422.	1.6	4
3541	The Autocrine Role of Placental Extracellular Vesicles from Missed Miscarriage in Causing Senescence: Possible Pathogenesis of Missed Miscarriage. Cells, 2022, 11, 3873.	1.8	1
3542	Recent and Future Strategies to Overcome Resistance to Targeted Therapies and Immunotherapies in Metastatic Colorectal Cancer. Journal of Clinical Medicine, 2022, 11, 7523.	1.0	1
3543	Fungal Secondary Metabolites and Small RNAs Enhance Pathogenicity during Plant-Fungal Pathogen Interactions. Journal of Fungi (Basel, Switzerland), 2023, 9, 4.	1.5	5
3544	Extracellular Vesicle Antibody Microarray for Multiplexed Inner and Outer Protein Analysis. ACS Sensors, 2022, 7, 3817-3828.	4.0	2
3545	Analysis of the potential of human cultured nasal epithelial cell sheets to differentiate into airway epithelium. FASEB BioAdvances, 0, , .	1.3	0
3546	Plantâ€derived extracellular vesicles: Recent advancements and current challenges on their use for biomedical applications. Journal of Extracellular Vesicles, 2022, 11, .	5.5	36
3547	Tumor Cell-Derived Extracellular Vesicles Promote the Growth, Metastasis and Chemoresistance in Cholangiocarcinoma by Delivering microRNA-210 to Downregulate RECK. Molecular Biotechnology, 2023, 65, 1151-1164.	1.3	4
3548	A review of recent advances in exosomes and allergic rhinitis. Frontiers in Pharmacology, 0, 13, .	1.6	5
3549	Extracellular Vesicles as Drug Targets and Delivery Vehicles for Cancer Therapy. Pharmaceutics, 2022, 14, 2822.	2.0	6

#	Article	IF	Citations
3550	Circulating Extracellular Vesicles: Their Role in Patients with Abdominal Aortic Aneurysm (AAA) Undergoing EndoVascular Aortic Repair (EVAR). International Journal of Molecular Sciences, 2022, 23, 16015.	1.8	1
3551	Mitolysosome exocytosis: a novel mitochondrial quality control pathway linked with parkinsonism-like symptoms. Biochemical Society Transactions, 2022, 50, 1773-1783.	1.6	1
3552	Baseline extracellular vesicle TGFâ€î² is a predictive biomarker for response to immune checkpoint inhibitors and survival in nonâ€“small cell lung cancer. Cancer, 2023, 129, 521-530.	2.0	11
3553	Diverse Neutrophil Functions in Cancer and Promising Neutrophil-Based Cancer Therapies. International Journal of Molecular Sciences, 2022, 23, 15827.	1.8	14
3554	New Therapeutics for Extracellular Vesicles: Delivering CRISPR for Cancer Treatment. International Journal of Molecular Sciences, 2022, 23, 15758.	1.8	7
3555	Exosomes based advancements for application in medical aesthetics. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	8
3556	Suppression of PDâ€Ł1 release from small extracellular vesicles promotes systemic antiâ€tumor immunity by targeting ORAI1 calcium channels. Journal of Extracellular Vesicles, 2022, 11, .	5.5	7
3557	Production and Biological Effects of Extracellular Vesicles from Adipose-Derived Stem Cells Were Markedly Increased by Low-Intensity Ultrasound Stimulation for Promoting Diabetic Wound Healing. Stem Cell Reviews and Reports, 2023, 19, 784-806.	1.7	6
3558	Extracellular vesicles participate in the pathogenesis of sepsis. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	7
3559	From Lysosomal Storage Disorders to Parkinsonâ€™s Disease â€“ Challenges and Opportunities. Journal of Molecular Biology, 2023, 435, 167932.	2.0	3
3560	Status quo of Extracellular Vesicle isolation and detection methods for clinical utility. Seminars in Cancer Biology, 2023, 88, 157-171.	4.3	7
3561	Extracellular Vesicles from Carcinoma-associated Fibroblasts Promote EMT of Salivary Adenoid Cystic Carcinoma Via IL-6. Archives of Medical Research, 2022, , .	1.5	2
3562	Native and engineered extracellular vesicles for wound healing. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	11
3563	HRS Regulates Small Extracellular Vesicle PD-L1 Secretion and Is Associated with Antiâ€“PD-1 Treatment Efficacy. Cancer Immunology Research, 2023, 11, 228-240.	1.6	5
3564	Extracellular vesicles as novel therapeutic targets and diagnosis markers. , 2022, 1, 100017.		1
3565	Targeting Persistent Changes in Neuroimmune and Epigenetic Signaling in Adolescent Drinking to Treat Alcohol Use Disorder in Adulthood. Pharmacological Reviews, 2023, 75, 380-396.	7.1	5
3566	Extracellular Vesicles in Kidney Diseases: Moving Forward. Kidney360, 0, , 10.34067/KID.0001892022.	0.9	3
3567	Coagulation potential and the integrated omics of extracellular vesicles from COVID-19 positive patient plasma. Scientific Reports, 2022, 12, .	1.6	9

#	Article	IF	Citations
3569	Hepatitis B and Hepatitis D Viruses: A Comprehensive Update with an Immunological Focus. International Journal of Molecular Sciences, 2022, 23, 15973.	1.8	4
3570	Are there foetal extracellular vesicles in maternal blood? Prospects for diagnostic biomarker discovery. Journal of Molecular Medicine, 0, , .	1.7	0
3571	Extracellular vesicles secreted by adenomyosis endometrial organoids contain miRNAs involved in embryo implantation and pregnancy. Reproductive BioMedicine Online, 2023, 46, 470-481.	1.1	4
3572	Sucrose-based cryoprotective storage of extracellular vesicles. , 2022, 1, 100016.		11
3573	Isolation of native EVs from primary biofluidsâ€"Freeâ€flow electrophoresis as a novel approach to purify ascitesâ€derived EVs. , 2022, 1, .		2
3574	The novel importance of miR-143 in obesity regulation. International Journal of Obesity, 2023, 47, 100-108.	1.6	5
3575	High yield engineered nanovesicles from ADSC with enriched miR-21-5p promote angiogenesis in adipose tissue regeneration. Biomaterials Research, 2022, 26, .	3.2	3
3577	A review of sensors for classification and subtype discrimination of cancer: Insights into circulating tumor cells and tumor-derived extracellular vesicles. Analytica Chimica Acta, 2022, , 340703.	2.6	2
3578	The Yin-Yang of myeloid cells in the leukemic microenvironment: Immunological role and clinical implications. Frontiers in Immunology, 0, 13, .	2.2	1
3579	Emerging therapeutic roles of small heat shock protein-derived mini-chaperones and their delivery strategies. Biochimie, 2023, 208, 56-65.	1.3	1
3580	Stability and Function of Extracellular Vesicles Derived from Immortalized Human Corneal Stromal Stem Cells: A Proof of Concept Study. AAPS Journal, 2023, 25, .	2.2	0
3581	Placental extracellular vesicles in maternal-fetal communication during pregnancy. Biochemical Society Transactions, 2022, 50, 1785-1795.	1.6	3
3582	Hybrid Nanomaterials for Cancer Immunotherapy. Advanced Science, 2023, 10, .	5.6	20
3583	Extracellular vesicles in the glioblastoma microenvironment: A diagnostic and therapeutic perspective. Molecular Aspects of Medicine, 2023, 91, 101167.	2.7	6
3584	Isolation of extracellular vesicles from bitchâ€™s amnion-derived cells culture and their CD59 expression: Preliminary results. Theriogenology, 2022, , .	0.9	0
3585	Injectable Drug Delivery Systems for Osteoarthritis and Rheumatoid Arthritis. ACS Nano, 2022, 16, 19665-19690.	7.3	32
3586	Proteomics to study cancer immunity and improve treatment. Seminars in Immunopathology, 2023, 45, 241-251.	2.8	3
3587	Extracellular vesicles: Focus on periâ€implantation period of pregnancy in pigs. Molecular Reproduction and Development, 2023, 90, 634-645.	1.0	2

#	Article	IF	Citations
3588	The Double-Edged Role of Extracellular Vesicles in the Hallmarks of Aging. Biomolecules, 2023, 13, 165.	1.8	4
3589	The emerging role of exosomes in innate immunity, diagnosis and therapy. Frontiers in Immunology, 0, 13, .	2.2	10
3591	Mesenchymal Stem Cell Derived Extracellular Vesicles: Promising Nanomedicine for Cutaneous Wound Treatment. ACS Biomaterials Science and Engineering, 2023, 9, 531-541.	2.6	1
3592	Recent advances in the roles of exosomal microRNAs in neuroblastoma. Frontiers in Oncology, 0, 12, .	1.3	0
3593	Molecular profiling of urinary extracellular vesicles in chronic kidney disease and renal fibrosis. Frontiers in Pharmacology, 0, 13, .	1.6	1
3594	Extracellular vesicles and melanoma: New perspectives on tumor microenvironment and metastasis. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	3
3595	HA-tag CD63 is a novel conditional transgenic approach to track extracellular vesicle interactions with sperm and their transfer at conception. Scientific Reports, 2023, 13, .	1.6	3
3596	Shaping Up the Tumor Microenvironment: Extracellular Vesicles as Important Intermediaries in Building a Tumor-Supportive Cellular Network. Cancers, 2023, 15, 501.	1.7	1
3597	Micrococcus luteus-derived extracellular vesicles attenuate neutrophilic asthma by regulating miRNAs in airway epithelial cells. Experimental and Molecular Medicine, 2023, 55, 196-204.	3.2	10
3598	Engineered Extracellular Vesicles as a Targeted Delivery Platform for Precision Therapy. Tissue Engineering and Regenerative Medicine, 2023, 20, 157-175.	1.6	7
3600	Dual Imaging Single Vesicle Surface Protein Profiling and Early Cancer Detection. ACS Applied Materials & Interfaces, 2023, 15, 2679-2692.	4.0	5
3601	Intradermally delivered mRNA-encapsulating extracellular vesicles for collagen-replacement therapy. Nature Biomedical Engineering, 2023, 7, 887-900.	11.6	36
3602	Exosomes mediate Coxsackievirus B3 transmission and expand the viral tropism. PLoS Pathogens, 2023, 19, e1011090.	2.1	10
3603	Therapeutic application of mesenchymal stem cells-derived extracellular vesicles in colorectal cancer. Biocell, 2023, 47, 455-464.	0.4	0
3604	Implications of Crosstalk between Exosome-Mediated Ferroptosis and Diseases for Pathogenesis and Treatment. Cells, 2023, 12, 311.	1.8	8
3606	Emerging roles of non-coding RNAs in colorectal cancer oxaliplatin resistance and liquid biopsy potential. World Journal of Gastroenterology, 0, 29, 1-18.	1.4	2
3607	Ghost messages: cell death signals spread. Cell Communication and Signaling, 2023, 21, .	2.7	8
3608	Circular RNAs in extracellular vesicles: Promising candidate biomarkers for schizophrenia. Frontiers in Genetics, 0, 13, .	1.1	2

#	Article	IF	Citations
3609	Editorial: Unraveling the physiology of cells and extracellular matrix: Techniques for biochemical and biophysical characterization. Frontiers in Physiology, 0, 13, .	1.3	0
3610	FAM3C in circulating tumor-derived extracellular vesicles promotes non-small cell lung cancer growth in secondary sites. Theranostics, 2023, 13, 621-638.	4.6	5
3611	Diagnostic and Prognostic Role of Extracellular Vesicles in Pancreatic Cancer: Current Evidence and Future Perspectives. International Journal of Molecular Sciences, 2023, 24, 885.	1.8	8
3612	Sickle red blood cellâ€derived extracellular vesicles activate endothelial cells and enhance sickle red cell adhesion mediated by von Willebrand factor. British Journal of Haematology, 2023, 201, 552-563.	1.2	7
3613	Omics insights into extracellular vesicles in embryo implantation and their therapeutic utility. Proteomics, 2023, 23, .	1.3	4
3614	Extracellular Vesicles: New Classification and Tumor Immunosuppression. Biology, 2023, 12, 110.	1.3	21
3615	Metabolomics of small extracellular vesicles derived from isocitrate dehydrogenase 1-mutant HCT116 cells collected by semi-automated size exclusion chromatography. Frontiers in Molecular Biosciences, 0, 9, .	1.6	3
3616	Extracellular Vesicles for Dental Pulp and Periodontal Regeneration. Pharmaceutics, 2023, 15, 282.	2.0	7
3617	Extracellular vesicles in the retina - putative roles in physiology and disease. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	5
3618	Nucleic acid drug vectors for diagnosis and treatment of brain diseases. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	19
3619	High therapeutic efficacy of <scp>5â€Fluorouracil</scp>â€loaded exosomes against colon cancer cells. Chemical Biology and Drug Design, 2023, 101, 962-976.	1.5	4
3620	Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. Micro/Nano Technologies, 2023, , 19-48.	0.1	1
3621	Hybrid exosomes, exosome-like nanovesicles and engineered exosomes for therapeutic applications. Journal of Controlled Release, 2023, 353, 1127-1149.	4.8	53
3622	A new route for EV biogenesis. Cell Research, 2023, 33, 87-88.	5.7	2
3623	Bibliometric analysis of scientific papers on extracellular vesicles in kidney disease published between 1999 and 2022. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	0
3624	Genetically engineered nanoâ€melittin vesicles for multimodal synergetic cancer therapy. Bioengineering and Translational Medicine, 2023, 8, .	3.9	5
3625	Treg Therapy for the Induction of Immune Tolerance in Transplantationâ€”Not Lost in Translation?. International Journal of Molecular Sciences, 2023, 24, 1752.	1.8	4
3626	Assessment of anti-inflammatory bioactivity of extracellular vesicles is susceptible to error via media component contamination. Cytotherapy, 2023, 25, 387-396.	0.3	4

#	Article	IF	Citations
3627	Extracellular vesicles regulate the transmission of insulin resistance and redefine noncommunicable diseases. Frontiers in Molecular Biosciences, 0, 9, .	1.6	1
3628	Extracellular vesicles, the emerging mirrors of brain physiopathology. International Journal of Biological Sciences, 2023, 19, 721-743.	2.6	20
3629	Engineering goat milk-derived extracellular vesicles for multiple bioimaging-guided and photothermal-enhanced therapy of colon cancer. Biomaterials Science, 2023, 11, 1408-1421.	2.6	6
3630	Extracellular Vesicles and Viruses: Two Intertwined Entities. International Journal of Molecular Sciences, 2023, 24, 1036.	1.8	11
3631	Extracellular Vesicles and Particles Modulate Proton Secretion in a Model of Human Parietal Cells. ACS Omega, 2023, 8, 2213-2226.	1.6	1
3632	Impact of Experimental Conditions on Extracellular Vesiclesâ€™ Proteome: A Comparative Study. Life, 2023, 13, 206.	1.1	2
3633	MSCs-derived apoptotic extracellular vesicles promote muscle regeneration by inducing Pannexin 1 channel-dependent creatine release by myoblasts. International Journal of Oral Science, 2023, 15, .	3.6	9
3634	Prostate cancer extracellular vesicle digital scoring assay â€“ a rapid noninvasive approach for quantification of disease-relevant mRNAs. Nano Today, 2023, 48, 101746.	6.2	5
3635	Inside-out extracellular vesicles-like biomimetic magnetic nanoparticles for efficient screening P-Glycoprotein inhibitors to overcome cancer multidrug resistance. Colloids and Surfaces B: Biointerfaces, 2023, 222, 113134.	2.5	1
3636	Paclitaxel-loaded tumor cell-derived microparticles improve radiotherapy efficacy in triple-negative breast cancer by enhancing cell killing and stimulating immunity. International Journal of Pharmaceutics, 2023, 632, 122560.	2.6	0
3637	Recent advances in extracellular vesicle-based organic nanotherapeutic drugs for precision cancer therapy. Coordination Chemistry Reviews, 2023, 479, 215006.	9.5	15
3638	Current State of Immunotherapy and Mechanisms of Immune Evasion in Ewing Sarcoma and Osteosarcoma. Cancers, 2023, 15, 272.	1.7	13
3640	Macrophages Release Extracellular Vesicles of Different Properties and Composition Following Exposure to Nanoparticles. International Journal of Molecular Sciences, 2023, 24, 260.	1.8	1
3641	Annexin A1 affects tumor metastasis through epithelial-mesenchymal transition: a narrative review. Translational Cancer Research, 2022, 11, 4416-4433.	0.4	3
3642	The cell type dependent sorting of CD9- and CD81 to extracellular vesicles can be exploited to convey tumor sensitive cargo to target cells. Drug Delivery, 2023, 30, .	2.5	5
3643	Microfluidic Strategies for Extracellular Vesicle Isolation: Towards Clinical Applications. Biosensors, 2023, 13, 50.	2.3	9
3644	Role of Extracellular Vesicles in Cancer Pathogenesis. , 2023, , 1-29.		0
3645	Decoding Roles of Exosomal lncRNAs in Tumor-Immune Regulation and Therapeutic Potential. Cancers, 2023, 15, 286.	1.7	10

#	Article	IF	Citations
3646	Transcriptome Profile in the Mouse Brain of Hepatic Encephalopathy and Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2023, 24, 675.	1.8	1
3647	The Role of Extracellular Vesicles in Diseases of the Ear, Nose, and Throat. Medical Sciences (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	0
3648	Er:Y2O3 and Nd:Y2O3 Nanoparticles: Synthesis, Pegylation, Characterization and Study of Their Luminescence Properties. Chemosensors, 2023, 11, 20.	1.8	4
3649	Messenger Nanozyme for Reprogramming the Microenvironment of Rheumatoid Arthritis. ACS Applied Materials & Interfaces, 2023, 15, 338-353.	4.0	11
3650	In vitro diagnostic technologies for the detection of extracellular vesicles: current status and future directions. View, 2023, 4, .	2.7	13
3651	Roles of extracellular vesicles in periodontal homeostasis and their therapeutic potential. Journal of Nanobiotechnology, 2022, 20, .	4.2	5
3652	Emerging Roles of Extracellular Vesicles in Alzheimerâ€™s Disease: Focus on Synaptic Dysfunction and Vesicleâ€“Neuron Interaction. Cells, 2023, 12, 63.	1.8	6
3653	Extracellular Vesicle Levels of Nervous System Injury Biomarkers in Critically Ill Trauma Patients with and without Traumatic Brain Injury. Neurotrauma Reports, 2022, 3, 545-553.	0.5	4
3654	Extracellular Vesicle Membrane Protein Profiling and Targeted Mass Spectrometry Unveil CD59 and Tetraspanin 9 as Novel Plasma Biomarkers for Detection of Colorectal Cancer. Cancers, 2023, 15, 177.	1.7	5
3655	Exosomes derived from human umbilical cord mesenchymal stem cells promote osteogenesis through the AKT signaling pathway in postmenopausal osteoporosis. Aging, 2022, 14, 10125-10136.	1.4	2
3656	Many Ways to Communicateâ€”Crosstalk between the HBV-Infected Cell and Its Environment. Pathogens, 2023, 12, 29.	1.2	1
3657	Comparison of cardiovascular biomarker expression in extracellular vesicles, plasma and carotid plaque for the prediction of MACE in CEA patients. Scientific Reports, 2023, 13, .	1.6	1
3658	Research Progress of Intercellular Interaction in the Pathogenesis of Vascular Calcification. Advances in Clinical Medicine, 2023, 13, 1223-1230.	0.0	0
3659	Exosomes treating osteoarthritis: hope with challenge. Heliyon, 2023, 9, e13152.	1.4	5
3660	Shape-Preserving Transformation of Electrodeposited Macroporous Microparticles for Single-Particle SERS Applications. ACS Applied Materials & Interfaces, 2023, 15, 8286-8297.	4.0	4
3661	Dean-Flow-Coupled Elasto-Inertial Focusing Accelerates Exosome Purification to Facilitate Single Vesicle Profiling. Analytical Chemistry, 2023, 95, 2523-2531.	3.2	8
3662	Practical tips and new trends in electrochemical biosensing of cancer-related extracellular vesicles. Analytical and Bioanalytical Chemistry, 2023, 415, 1087-1106.	1.9	4
3663	Quadruplexes and aging: G4-binding proteins regulate the presence of miRNA in small extracellular vesicles (sEVs). Biochimie, 2023, 214, 69-72.	1.3	3

#	Article	IF	Citations
3664	Expression of urinary exosomal miRNA-615-3p and miRNA-3147 in diabetic kidney disease and their association with inflammation and fibrosis. Renal Failure, 2023, 45, .	0.8	6
3665	Extracellular vesicles contribute to EMT in adenomyosis by inducing macrophage polarization. Biology of Reproduction, 2023, 108, 584-596.	1.2	3
3666	Effects of Exosomes on Tumor Bioregulation and Diagnosis. ACS Omega, 2023, 8, 5157-5168.	1.6	4
3667	RNA-Binding Proteins as a Molecular Link between COPD and Lung Cancer. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2023, 20, 18-30.	0.7	3
3668	Increased extracellular release of microRNAs from dorsal root ganglion cells in a rat model of neuropathic pain caused by peripheral nerve injury. PLoS ONE, 2023, 18, e0280425.	1.1	2
3669	MicroRNA profiling of low concentration extracellular vesicle RNA utilizing NanoString nCounter technology. , 2023, 2, .		4
3670	Intercellular communication in the cumulusâ€“oocyte complex during folliculogenesis: A review. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	6
3671	Current status of and progress in the treatment of malignant pleural effusion of lung cancer. Frontiers in Oncology, 0, 12, .	1.3	3
3673	Therapeutic Strategies to Overcome Fibrotic Barriers to Nanomedicine in the Pancreatic Tumor Microenvironment. Cancers, 2023, 15, 724.	1.7	2
3674	Immunomagnetic Separation Method Integrated with the Strep-Tag II System for Rapid Enrichment and Mild Release of Exosomes. Analytical Chemistry, 2023, 95, 3569-3576.	3.2	4
3675	Electroformed Inverseâ€Opal Nanostructures for Surfaceâ€Markerâ€Specific Isolation of Extracellular Vesicles Directly from Complex Media. Advanced Materials Technologies, 2023, 8, .	3.0	2
3677	HIV Replication Increases the Mitochondrial DNA Content of Plasma Extracellular Vesicles. International Journal of Molecular Sciences, 2023, 24, 1924.	1.8	1
3678	Exosomal transmission of viruses, a two-edged biological sword. Cell Communication and Signaling, 2023, 21, .	2.7	12
3679	Developmental trajectory of extracellular vesicle characteristics from the lungs of preterm infants. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2023, 324, L385-L392.	1.3	1
3680	Recent advances in the roles of exosomal microRNAs in neuroblastoma. Frontiers in Oncology, 0, 12, .	1.3	0
3681	Comprehensive overview of microRNA function in rheumatoid arthritis. Bone Research, 2023, 11, .	5.4	15
3682	Mitochondrial-Derived Vesiclesâ€”Link to Extracellular Vesicles and Implications in Cardiovascular Disease. International Journal of Molecular Sciences, 2023, 24, 2637.	1.8	13
3683	Extracellular Vesicles: New Players in the Mechanisms of Sepsis- and COVID-19-Related Thromboinflammation. International Journal of Molecular Sciences, 2023, 24, 1920.	1.8	4

#	Article	IF	Citations
3684	Free complement and complement containing extracellular vesicles as potential biomarkers for neuroinflammatory and neurodegenerative disorders. Frontiers in Immunology, 0, 13, .	2.2	3
3685	Displaying and delivering viral membrane antigens via WW domainâ€“activated extracellular vesicles. Science Advances, 2023, 9, .	4.7	6
3686	Effects of extracellular vesicle-derived noncoding RNAs on pre-metastatic niche and tumor progression. Genes and Diseases, 2024, 11, 176-188.	1.5	0
3687	A dynamic interplay between chitin synthase and the proteins Expansion/Rebuf reveals that chitin polymerisation and translocation are uncoupled in Drosophila. PLoS Biology, 2023, 21, e3001978.	2.6	4
3688	Effect of Acute Myeloid Leukemia-derived Extracellular Vesicles on the Bone Marrow Mesenchymal Stromal Cells: Expression of Poor Prognosis Genes. Archives of Medical Research, 2023, , .	1.5	0
3689	The Role of Exosomes in Tumor Metastasis. , 2023, , 1-29.		0
3690	Mitochondrial Transplantation in Mitochondrial Medicine: Current Challenges and Future Perspectives. International Journal of Molecular Sciences, 2023, 24, 1969.	1.8	10
3691	Extracellular Vesicle-Loaded Oncogenic lncRNA NEAT1 from Adipose-Derived Mesenchymal Stem Cells Confers Gemcitabine Resistance in Pancreatic Cancer via miR-491-5p/Snail/SOCS3 Axis. Stem Cells International, 2023, 2023, 1-21.	1.2	2
3692	Small Extracellular Vesicles as a New Class of Medicines. Pharmaceutics, 2023, 15, 325.	2.0	6
3694	Novel microchip electrophoresisâ€“contactless conductivity method for detection and characterization of extracellular vesicles enriched for exosomes and microvesicles. Bioanalysis, 2022, 14, 1547-1561.	0.6	0
3695	Extracellular Vesicles from Mesenchymal Stem Cells: Towards Novel Therapeutic Strategies for Neurodegenerative Diseases. International Journal of Molecular Sciences, 2023, 24, 2917.	1.8	7
3696	Protein-Nanoparticle Interactions Govern the Interfacial Behavior of Polymeric Nanogels: Study of Protein Corona Formation at the Air/Water Interface. International Journal of Molecular Sciences, 2023, 24, 2810.	1.8	5
3697	Heterogeneity of Extracellular Vesicles and Particles: Molecular Voxels in the Blood Borne â€œHologramâ€•of Organ Function, Dysfunction and Cancer. Archivum Immunologiae Et Therapiae Experimentalis, 2023, 71, .	1.0	3
3698	The emerging role of extracellular vesicles in the testis. Human Reproduction, 2023, 38, 334-351.	0.4	6
3699	Cancer stem cell-derived extracellular vesicles preferentially target MHC-IIâ€“macrophages and PD1+ T cells in the tumor microenvironment. PLoS ONE, 2023, 18, e0279400.	1.1	6
3700	Intercellular Interactions in the Tumor Stroma and Their Role in Oncogenesis. Molecular Genetics, Microbiology and Virology, 2022, 37, 167-172.	0.0	0
3701	Blood-Based Cancer Screening/Early Cancer Detection. , 2023, , 1-31.		0
3702	Extracellular vesicles and nanoparticles: emerging complexities. Trends in Cell Biology, 2023, 33, 667-681.	3.6	94

#	Article	IF	Citations
3703	Neural stem/progenitor cellâ€derived extracellular vesicles: A novel therapy for neurological diseases and beyond. MedComm, 2023, 4, .	3.1	1
3704	Platelet-Derived Extracellular Vesicles Promote Tenogenic Differentiation of Stem Cells on Bioengineered Living Fibers. International Journal of Molecular Sciences, 2023, 24, 3516.	1.8	5
3706	Proteomic profile of extracellular vesicles in maternal plasma of women with fetal death. Journal of Maternal-Fetal and Neonatal Medicine, 2023, 36, .	0.7	2
3707	Plasma Exosome Gene Signature Differentiates Colon Cancer from Healthy Controls. Annals of Surgical Oncology, 2023, 30, 3833-3844.	0.7	5
3708	In Vitro Interaction of Melanoma-Derived Extracellular Vesicles with Collagen. International Journal of Molecular Sciences, 2023, 24, 3703.	1.8	3
3709	Extracellular vesicles mediate biological information delivery: A double-edged sword in cardiac remodeling after myocardial infarction. Frontiers in Pharmacology, 0, 14, .	1.6	5
3710	Human umbilical cord mesenchymal stem cell-derived extracellular vesicles loaded with TFCP2 activate Wnt/Î²-catenin signaling to alleviate preeclampsia. International Immunopharmacology, 2023, 115, 109732.	1.7	3
3711	Cellular communication through extracellular vesicles and lipid droplets. , 2023, 2, .		7
3712	Peripheral Biomarkers in Manifest and Premanifest Huntingtonâ€™s Disease. International Journal of Molecular Sciences, 2023, 24, 6051.	1.8	5
3713	Different Biofluids, Small Extracellular Vesicles or Exosomes: Structural Analysis in Atherosclerotic Cardiovascular Disease Using Electron Microscopy Techniques. Microscopy and Microanalysis, 2023, 29, 1168-1177.	0.2	2
3714	Bioengineered extracellular vesicles: future of precision medicine for sepsis. Intensive Care Medicine Experimental, 2023, 11, .	0.9	0
3715	Circulating Plasma Exosomal Proteins of Either SHIV-Infected Rhesus Macaque or HIV-Infected Patient Indicates a Link to Neuropathogenesis. Viruses, 2023, 15, 794.	1.5	1
3716	Medicinal plant-based drug delivery system for inflammatory bowel disease. Frontiers in Pharmacology, 0, 14, .	1.6	7
3717	The Proteome of Large or Small Extracellular Vesicles in Pig Seminal Plasma Differs, Defining Sources and Biological Functions. Molecular and Cellular Proteomics, 2023, 22, 100514.	2.5	5
3718	Challenges and strategies: Scalable and efficient production of mesenchymal stem cells-derived exosomes for cell-free therapy. Life Sciences, 2023, 319, 121524.	2.0	11
3719	The role of tumor-derived extracellular vesicles containing noncoding RNAs in mediating immune cell function and its implications from bench to bedside. Pharmacological Research, 2023, 191, 106756.	3.1	4
3720	On the other end of the line: Extracellular vesicle-mediated communication in glaucoma. Frontiers in Neuroanatomy, 0, 17, .	0.9	2
3721	Extracellular vesicle-derived LINC00482 induces microglial M2 polarization to facilitate brain metastasis of NSCLC. Cancer Letters, 2023, 561, 216146.	3.2	8

#	Article	IF	Citations
3722	The pollutome-connectome axis: a putative mechanism to explain pollution effects on neurodegeneration. Ageing Research Reviews, 2023, 86, 101867.	5.0	4
3723	Extracellular vesicles as next generation immunotherapeutics. Seminars in Cancer Biology, 2023, 90, 73-100.	4.3	16
3724	Extracellular vesicles in vaccine development and therapeutic approaches for viral diseases. Process Biochemistry, 2023, 128, 167-180.	1.8	3
3725	Technological aspects of manufacturing and analytical control of biological nanoparticles. Biotechnology Advances, 2023, 64, 108122.	6.0	8
3726	Exosomes and Hair Restoration. Advances in Cosmetic Surgery, 2023, 6, 31-41.	0.4	0
3727	Oligodendrocyte-derived transcellular signaling regulates axonal energy metabolism. Current Opinion in Neurobiology, 2023, 80, 102722.	2.0	6
3728	A double-edged sword of platelet-derived extracellular vesicles in tissues, injury or repair: The current research overview. Tissue and Cell, 2023, 82, 102066.	1.0	1
3729	The role of exosomes in the stemness maintenance and progression of acute myeloid leukemia. Biochemical Pharmacology, 2023, 212, 115539.	2.0	5
3730	A double tangential flow filtration-based microfluidic device for highly efficient separation and enrichment of exosomes. Analytica Chimica Acta, 2023, 1258, 341160.	2.6	5
3731	Alzheimer's disease-associated mutant ubiquitin (UBB+1) is secreted through an autophagosome-like vesicle-mediated unconventional pathway. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2023, 1866, 194936.	0.9	1
3732	Endothelial plasticity across PTEN and Hippo pathways: A complex hormetic rheostat modulated by extracellular vesicles. Translational Oncology, 2023, 31, 101633.	1.7	1
3733	Role of Circulating Exosomes in Cerebrovascular Diseases: A Comprehensive Review. Current Neuropharmacology, 2023, 21, 1575-1593.	1.4	1
3735	Intercellular interactions in the tumor stroma and their role in oncogenesis. Molekuliarnaia Genetika, Mikrobiologiia I Virusologiia, 2022, 40, 3.	0.1	0
3736	Formation of pre-metastatic niches induced by tumor extracellular vesicles in lung metastasis. Pharmacological Research, 2023, 188, 106669.	3.1	5
3737	The Roles of Exosomes in the Diagnose, Development and Therapeutic Resistance of Oral Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2023, 24, 1968.	1.8	6
3738	Anion exchange chromatography-based platform for the scalable purification of extracellular vesicles derived from human mesenchymal stromal cells. Separation and Purification Technology, 2023, 310, 123238.	3.9	4
3739	Self-Assembly and Disassembly of Membrane Curvature-Sensing Peptide-Based Deep-Red Fluorescent Probe for Highly Sensitive Sensing of Exosomes. ACS Sensors, 2023, 8, 522-526.	4.0	1
3740	Serum exosomal miR-146a-3p associates with disease severity and efficacy of sublingual immunotherapy in allergic rhinitis. International Immunopharmacology, 2023, 116, 109777.	1.7	1

#	Article	IF	Citations
3741	Proteomic study of mesothelial and endothelial cross-talk: key lessons. Expert Review of Proteomics, 2022, 19, 289-296.	1.3	2
3742	Nanomaterials for Molecular Detection and Analysis of Extracellular Vesicles. Nanomaterials, 2023, 13, 524.	1.9	2
3743	Extracellular Vesicle-microRNAs as Diagnostic Biomarkers in Preterm Neonates. International Journal of Molecular Sciences, 2023, 24, 2622.	1.8	5
3744	FTO-dependent m6A modification of Plpp3 in circSCMH1-regulated vascular repair and functional recovery following stroke. Nature Communications, 2023, 14, .	5.8	19
3745	Glycoproteomic Analysis of Urinary Extracellular Vesicles for Biomarkers of Hepatocellular Carcinoma. Molecules, 2023, 28, 1293.	1.7	7
3746	Protein and Lipid Content of Milk Extracellular Vesicles: A Comparative Overview. Life, 2023, 13, 401.	1.1	5
3747	Biomimetic synthesis and optimization of extracellular vesicles for bone regeneration. Journal of Controlled Release, 2023, 355, 18-41.	4.8	5
3748	Extra-Cellular Vesicles Derived from Thyroid Cancer Cells Promote the Epithelial to Mesenchymal Transition (EMT) and the Transfer of Malignant Phenotypes through Immune Mediated Mechanisms. International Journal of Molecular Sciences, 2023, 24, 2754.	1.8	3
3749	Editorial: Vesicular biology, the inter- and intra-cellular communicators that shed light on the biology of parasites. Frontiers in Cellular and Infection Microbiology, 0, 13, .	1.8	0
3750	Circulating exosomeâ€like vesicle and skeletal muscle microRNAs are altered with age and resistance training. Journal of Physiology, 2023, 601, 5051-5073.	1.3	11
3751	Postradiotherapy Urinary Extracellular Vesicle Concentrations Predict Late Bladder Toxicity in Patients with Prostate Cancer. , 2023, 1, .		2
3752	Research progress on the role of extracellular vesicles derived from aging cells in osteoporosis. Bioscience Reports, 2023, 43, .	1.1	1
3753	Plasma and urinary extracellular vesicles as a source of RNA biomarkers for prostate cancer in liquid biopsies. Frontiers in Molecular Biosciences, 0, 10, .	1.6	8
3755	Extracellular Vesicles in Aging: An Emerging Hallmark?. Cells, 2023, 12, 527.	1.8	6
3756	Characterization of Extracellular Vesicle-Coupled miRNA Profiles in Seminal Plasma of Boars with Divergent Semen Quality Status. International Journal of Molecular Sciences, 2023, 24, 3194.	1.8	4
3758	Alterations in microRNA of extracellular vesicles associated with major depression, attention-deficit/hyperactivity and anxiety disorders in adolescents. Translational Psychiatry, 2023, 13, .	2.4	12
3759	The Roles of Exosomal Proteins: Classification, Function, and Applications. International Journal of Molecular Sciences, 2023, 24, 3061.	1.8	7
3760	Extracellular Vesicles in Lung Cancer: Bystanders or Main Characters?. Biology, 2023, 12, 246.	1.3	2

#	Article	IF	Citations
3761	Dendrimer nanosystems for adaptive tumor-assisted drug delivery via extracellular vesicle hijacking. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	11
3762	Bifurcated Asymmetric Field Flow Fractionation of Nanoparticles in PDMS-Free Microfluidic Devices for Applications in Label-Free Extracellular Vesicle Separation. Polymers, 2023, 15, 789.	2.0	1
3763	Interactions between extracellular vesicles and microbiome in human diseases: New therapeutic opportunities. , 2023, 2, .		6
3764	Neuronal extracellular vesicles and associated microRNAs induce circuit connectivity downstream BDNF. Cell Reports, 2023, 42, 112063.	2.9	16
3765	Advancements and Technical Considerations for Extracellular Vesicle Isolation and Biomarker Identification in Glioblastoma. Neurosurgery, 2023, Publish Ahead of Print, .	0.6	1
3766	Hepatocyte-derived Microparticles as Novel Biomarkers for the Diagnosis of Deep Venous Thrombosis in Trauma Patients. Clinical and Applied Thrombosis/Hemostasis, 2023, 29, 107602962311534.	0.7	1
3767	Hypoxia promotes EV secretion by impairing lysosomal homeostasis in HNSCC through negative regulation of ATP6V1A by HIFâ€1î±. Journal of Extracellular Vesicles, 2023, 12, .	5.5	7
3769	Extracellular Vesicles in Cancer Drug Resistance: Implications on Melanoma Therapy. Cancers, 2023, 15, 1074.	1.7	2
3770	CAR-T-Derived Extracellular Vesicles: A Promising Development of CAR-T Anti-Tumor Therapy. Cancers, 2023, 15, 1052.	1.7	4
3771	Adipocyte-derived extracellular vesicles increase insulin secretion through transport of insulinotropic protein cargo. Nature Communications, 2023, 14, .	5.8	15
3772	Autologous Platelet and Extracellular Vesicle-Rich Plasma as Therapeutic Fluid: A Review. International Journal of Molecular Sciences, 2023, 24, 3420.	1.8	7
3773	Sex-Inclined Piwi-Interacting RNAs in Serum Exosomes for Sex Determination in the Greater Amberjack (Seriola dumerili). International Journal of Molecular Sciences, 2023, 24, 3438.	1.8	0
3774	Self-calibrated magnetic aptamer sensor with dual Lanthanide-assisted Time-resolved luminescence for high-sensitive detection of melanoma exosomal PD-L1. Materials and Design, 2023, 227, 111714.	3.3	3
3775	Liquid Biopsy for Oral Cancer Diagnosis: Recent Advances and Challenges. Journal of Personalized Medicine, 2023, 13, 303.	1.1	2
3776	Extracellular vesicles would be involved in the release and delivery of seminal TGF-Î² isoforms in pigs. Frontiers in Veterinary Science, 0, 10, .	0.9	2
3777	Distance-controlled surface-enhanced Raman spectroscopy of nanoparticles. Optics Letters, 2023, 48, 1454.	1.7	2
3778	The role of extracellular vesicles in intercellular communication in human reproduction. Clinical Science, 2023, 137, 281-301.	1.8	3
3779	Context-specific regulation of extracellular vesicle biogenesis and cargo selection. Nature Reviews Molecular Cell Biology, 2023, 24, 454-476.	16.1	112

#	Article	IF	Citations
3780	Recent advancements to engineer mesenchymal stem cells and their extracellular vesicles for targeting and destroying tumors. Progress in Biophysics and Molecular Biology, 2023, 178, 1-16.	1.4	4
3781	Ultrastructural Analysis of Differences in the Growth and Maturation of Staphylococcus pseudintermedius Biofilm on Biotic and Abiotic Surfaces. Microbiology Spectrum, 2023, 11, .	1.2	2
3782	Current challenges and future directions for engineering extracellular vesicles for heart, lung, blood and sleep diseases. Journal of Extracellular Vesicles, 2023, 12, .	5.5	25
3784	Superfluorinated Extracellular Vesicles for In Vivo Imaging by ¹⁹F-MRI. ACS Applied Materials & Interfaces, 2023, 15, 8974-8985.	4.0	3
3785	Engineered mesenchymal stem cell-derived extracellular vesicles: A state-of-the-art multifunctional weapon against Alzheimer's disease. Theranostics, 2023, 13, 1264-1285.	4.6	15
3786	Detection of Breast Cancer-Specific Extracellular Vesicles with Fiber-Optic SPR Biosensor. International Journal of Molecular Sciences, 2023, 24, 3764.	1.8	3
3787	Stem cell-derived extracellular vesicles: A novel and potential remedy for primary ovarian insufficiency. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	4
3788	Producing vesicle-free cell culture additive for human cells extracellular vesicles manufacturing. Journal of Controlled Release, 2023, 355, 501-514.	4.8	4
3789	Immunotherapy for Metastatic Non-Small Cell Lung Cancer: Therapeutic Advances and Biomarkers. Current Oncology, 2023, 30, 2366-2387.	0.9	5
3790	The human periconceptional maternal-embryonic space in health and disease. Physiological Reviews, 2023, 103, 1965-2038.	13.1	3
3791	The promise and challenges of extracellular vesicles in the diagnosis of neurodegenerative diseases. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2023, , 227-241.	1.0	1
3792	Agricultural dust derived bacterial extracellular vesicle mediated inflammation is attenuated by DHA. Scientific Reports, 2023, 13, .	1.6	1
3794	Accurate and rapid quantification of PD-L1 positive exosomes by a triple-helix molecular probe. Analytica Chimica Acta, 2023, 1251, 340984.	2.6	3
3795	The predictive value of plasma exosomal lncRNAs/mRNAs in NSCLC patients receiving immunotherapy. Advances in Medical Sciences, 2023, 68, 86-93.	0.9	1
3796	Curcumae Rhizoma Exosomes-like nanoparticles loaded Astragalus components improve the absorption and enhance anti-tumor effect. Journal of Drug Delivery Science and Technology, 2023, 81, 104274.	1.4	8
3797	Exosomal RNAs in the development and treatment of pituitary adenomas. Frontiers in Endocrinology, 0, 14, .	1.5	4
3798	Multiple characteristic alterations and available therapeutic strategies of cellular senescence. Journal of Zhejiang University: Science B, 2023, 24, 101-114.	1.3	0
3799	Combination of Biomaterials and Extracellular Vesicles from Mesenchymal Stem-Cells: New Therapeutic Strategies for Skin-Wound Healing. Applied Sciences (Switzerland), 2023, 13, 2702.	1.3	1

#	Article	IF	Citations
3800	Impact of extracellular vesicles on the pathogenesis, diagnosis, and potential therapy in cardiopulmonary disease. Frontiers in Pharmacology, 0, 14, .	1.6	1
3801	Exploiting the biogenesis of extracellular vesicles for bioengineering and therapeutic cargo loading. Molecular Therapy, 2023, 31, 1231-1250.	3.7	32
3802	Injectable hydrogels for sustained delivery of extracellular vesicles in cartilage regeneration. Journal of Controlled Release, 2023, 355, 685-708.	4.8	7
3803	Extracellular vesicles as contributors in the pathogenesis of multiple sclerosis. Multiple Sclerosis and Related Disorders, 2023, 71, 104554.	0.9	2
3804	Association of Ang/Tie2 pathway mediators with endothelial barrier integrity and disease severity in COVID-19. Frontiers in Physiology, 0, 14, .	1.3	2
3805	Associations of maternal and placental extracellular vesicle miRNA with preeclampsia. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	7
3806	Characteristics of circulating small noncoding <scp>RNAs</scp> in plasma and serum during human aging. Aging Medicine (Milton (N S W)), 2023, 6, 35-48.	0.9	0
3807	Extracellular vesicles as potential biomarkers and treatment options for liver failure: A systematic review up to March 2022. Frontiers in Immunology, 0, 14, .	2.2	2
3808	Exosome secretion kinetics are controlled by temperature. Biophysical Journal, 2023, 122, 1301-1314.	0.2	4
3810	Extracellular vesicles derived from lung cancer cells promote the progression of lung cancer by delivering miR-151a-5p. Experimental Cell Research, 2023, 425, 113526.	1.2	0
3811	When should I runâ€”the role of exercise timing in metabolic health. Acta Physiologica, 2023, 237, .	1.8	3
3812	Biogenesis of extracellular vesicles in protozoan parasites: The ESCRT complex in the trafficking fast lane?. PLoS Pathogens, 2023, 19, e1011140.	2.1	8
3813	Cryo-electron microscopy of adipose tissue extracellular vesicles in obesity and type 2 diabetes mellitus. PLoS ONE, 2023, 18, e0279652.	1.1	3
3814	Advances in early detection methods for solid tumors. Frontiers in Genetics, 0, 14, .	1.1	5
3816	Novel Biomarkers for Diagnosis and Monitoring of Immune Thrombocytopenia. International Journal of Molecular Sciences, 2023, 24, 4438.	1.8	6
3817	Bioengineered MSC-derived exosomes in skin wound repair and regeneration. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	15
3818	Extracellular vesicles engagement during respiratory viruses infection. , 2023, 1, 100004.		0
3819	Extracellular Vesicle-DNA: The Next Liquid Biopsy Biomarker for Early Cancer Diagnosis?. Cancers, 2023, 15, 1456.	1.7	1

#	Article	IF	Citations
3820	Extracellular Vesicles, Cell-Penetrating Peptides and miRNAs as Future Novel Therapeutic Interventions for Parkinsonâ€™s and Alzheimerâ€™s Disease. Biomedicines, 2023, 11, 728.	1.4	6
3821	Single vesicle analysis reveals the release of tetraspanin positive extracellular vesicles into circulation with high intensity intermittent exercise. Journal of Physiology, 2023, 601, 5093-5106.	1.3	6
3822	Role of MSCâ€derived small extracellular vesicles in tissue repair and regeneration. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	10
3823	Effect study of exosomes derived from platelet-rich plasma in the treatment of knee cartilage defects in rats. Journal of Orthopaedic Surgery and Research, 2023, 18, .	0.9	2
3825	Liquid Biopsies, Novel Approaches and Future Directions. Cancers, 2023, 15, 1579.	1.7	18
3826	Concise review: Current understanding of extracellular vesicles to treat neuropathic pain. Frontiers in Aging Neuroscience, 0, 15, .	1.7	4
3827	Extracellular Vesicles in the Arbuscular Mycorrhizal Symbiosis: Current Understanding and Future Perspectives. Molecular Plant-Microbe Interactions, 2023, 36, 235-244.	1.4	7
3828	Cerebrospinal fluid-derived extracellular vesicles after spinal cord injury promote vascular regeneration via PI3K/AKT signaling pathway. Journal of Orthopaedic Translation, 2023, 39, 124-134.	1.9	8
3830	Detection of myeloma cell-derived microvesicles: a tool to monitor multiple myeloma load. Experimental Hematology and Oncology, 2023, 12, .	2.0	0
3831	Lipidomics Analysis of Multilamellar Bodies Produced by Amoeba Acanthamoeba castellanii in Co-Culture with Klebsiella aerogenes. Pathogens, 2023, 12, 411.	1.2	0
3832	The Potential Roles of Exosomes Carrying APP and Tau Cleavage Products in Alzheimerâ€™s Disease. Journal of Clinical Medicine, 2023, 12, 1883.	1.0	3
3833	A Liquid Biopsy Signature for the Early Detection of Gastric Cancer in Patients. Gastroenterology, 2023, 165, 402-413.e13.	0.6	8
3834	Uterine luminal-derived extracellular vesicles: potential nanomaterials to improve embryo implantation. Journal of Nanobiotechnology, 2023, 21, .	4.2	2
3835	Anticancer Activity of Bitter Melon-Derived Vesicles Extract against Breast Cancer. Cells, 2023, 12, 824.	1.8	6
3836	Effects of glioblastoma-derived extracellular vesicles on the functions of immune cells. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	4
3837	Boneâ€Targeted Exosomes: Strategies and Applications. Advanced Healthcare Materials, 2023, 12, .	3.9	8
3838	Extracellular vesicles and their cells of origin: Open issues in autoimmune diseases. Frontiers in Immunology, 0, 14, .	2.2	6
3839	Exosome-Based Liquid Biopsy Approaches in Bone and Soft Tissue Sarcomas: Review of the Literature, Prospectives, and Hopes for Clinical Application. International Journal of Molecular Sciences, 2023, 24, 5159.	1.8	2

#	Article	IF	Citations
3840	Extracellular Vesicles: The Future of Diagnosis in Solid Organ Transplantation?. International Journal of Molecular Sciences, 2023, 24, 5102.	1.8	5
3841	A survey to evaluate parameters governing the selection and application of extracellular vesicle isolation methods. Journal of Tissue Engineering, 2023, 14, 204173142311551.	2.3	1
3842	Aspergillus fumigatus hijacks human p11 to redirect fungal-containing phagosomes to non-degradative pathway. Cell Host and Microbe, 2023, 31, 373-388.e10.	5.1	8
3843	The roles of extracellular vesicles in major depressive disorder. Frontiers in Psychiatry, 0, 14, .	1.3	6
3844	Erectile dysfunction and exosome therapy. Frontiers in Endocrinology, 0, 14, .	1.5	1
3845	Syncytin-mediated open-ended membrane tubular connections facilitate the intercellular transfer of cargos including Cas9 protein. ELife, 0, 12, .	2.8	7
3846	Osteoblast derived extracellular vesicles induced by dexamethasone: A novel biomimetic tool for enhancing osteogenesis in vitro. Frontiers in Bioengineering and Biotechnology, 0, 11, .	2.0	1
3847	Application of small extracellular vesicles in the diagnosis and prognosis of nasopharyngeal carcinoma. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	0
3848	Advances in Drug Delivery Systems Based on Red Blood Cells and Their Membrane-Derived Nanoparticles. ACS Nano, 2023, 17, 5187-5210.	7.3	22
3849	Exosomes: The role in mammalian reproductive regulation and pregnancy-related diseases. Frontiers in Physiology, 0, 14, .	1.3	5
3850	Exosomes: New regulators of reproductive development. Materials Today Bio, 2023, 19, 100608.	2.6	5
3851	miRNAs derived from milk small extracellular vesicles inhibit porcine epidemic diarrhea virus infection. Antiviral Research, 2023, 212, 105579.	1.9	4
3852	Harnessing the therapeutic potential of the stem cell secretome in neonatal diseases. Seminars in Perinatology, 2023, 47, 151730.	1.1	7
3853	Exosomal PDâ€'L1 promotes the formation of an immunosuppressive microenvironment in gastric diffuse large Bâ€'cell lymphoma. Oncology Reports, 2023, 49, .	1.2	1
3854	Stratification of asthma by lipidomic profiling of induced sputum supernatant. Journal of Allergy and Clinical Immunology, 2023, 152, 117-125.	1.5	5
3855	Xeno-free cultured mesenchymal stromal cells release extracellular vesicles with a â€œtherapeuticâ€• miRNA cargo ameliorating cartilage inflammation in vitro. Theranostics, 2023, 13, 1470-1489.	4.6	2
3856	The unfolding story of dying tumor cells during cancer treatment. Frontiers in Immunology, 0, 14, .	2.2	2
3857	Comprehensive isolation of extracellular vesicles and nanoparticles. Nature Protocols, 2023, 18, 1462-1487.	5.5	19

#	Article	IF	Citations
3858	Phosphatidylserine-Exposing Annexin A1-Positive Extracellular Vesicles: Potential Cancer Biomarkers. Vaccines, 2023, 11, 639.	2.1	3
3859	Editorial: Extracellular vesicles and cell-cell communication in normal cellular processes and cancer. Frontiers in Molecular Biosciences, 0, 10, .	1.6	0
3860	Enhancing Targeted Therapy in Breast Cancer by Ultrasound-Responsive Nanocarriers. International Journal of Molecular Sciences, 2023, 24, 5474.	1.8	4
3861	Recent advances in the crosstalk between adipose, muscle and bone tissues in fish. Frontiers in Endocrinology, 0, 14, .	1.5	2
3862	Exploiting Nanomedicine for Cancer Polychemotherapy: Recent Advances and Clinical Applications. Pharmaceutics, 2023, 15, 937.	2.0	1
3863	Interaction network of extracellular vesicles building universal analysis via eye tears: iNEBULA. Science Advances, 2023, 9, .	4.7	7
3864	Placenta-Derived Extracellular Vesicles in Pregnancy Complications and Prospects on a Liquid Biopsy for Hemoglobin Bartâ€™s Disease. International Journal of Molecular Sciences, 2023, 24, 5658.	1.8	1
3865	Noncanonical Pyroptosis Triggered by <scp>Macrophageâ€Derived</scp> Extracellular Vesicles in Chondrocytes Leading to Cartilage Catabolism in Osteoarthritis. Arthritis and Rheumatology, 2023, 75, 1358-1369.	2.9	9
3866	Advances of multi-omics applications in hepatic precancerous lesions and hepatocellular carcinoma: The role of extracellular vesicles. Frontiers in Molecular Biosciences, 0, 10, .	1.6	3
3868	Increased Yield of Extracellular Vesicles after Cytochalasin B Treatment and Vortexing. Current Issues in Molecular Biology, 2023, 45, 2431-2443.	1.0	3
3869	Advances in the Management of Heart Failure with Reduced Ejection Fraction; The Role of SGLT2is, ARNI, Myotropes, Vericiguat, and Anti-inflammatory Agents: A Mini-review. Current Pharmaceutical Design, 2023, 29, 509-518.	0.9	1
3870	A comprehensive overview of exosome lncRNAs: Emerging biomarkers and potential therapeutics in gynecological cancers. Frontiers in Oncology, 0, 13, .	1.3	0
3871	Delivery of miR-130a-3p Through Adipose-Derived Stem Cell-Secreted EVs Protects Against Diabetic Peripheral Neuropathy via DNMT1/NRF2/HIF1Î±/ACTA1 Axis. Molecular Neurobiology, 2023, 60, 3678-3694.	1.9	4
3873	The versatile roles of testrapanins in cancer from intracellular signaling to cellâ€“cell communication: cell membrane proteins without ligands. Cell and Bioscience, 2023, 13, .	2.1	5
3874	Cellâ€Derived Vesicles for Antibiotic Deliveryâ€”Understanding the Challenges of a Biogenic Carrier System. Small, 2023, 19, .	5.2	2
3875	Intraperitoneal transfer of microRNAâ€29bâ€containing small extracellular vesicles can suppress peritoneal metastases of gastric cancer. Cancer Science, 2023, 114, 2939-2950.	1.7	2
3876	Protein Expression Profiles in Exosomes of Bovine Mammary Epithelial Cell Line MAC-T Infected with Staphylococcus aureus. Applied and Environmental Microbiology, 0, , .	1.4	0
3877	Caveolae Mechanotransduction at the Interface between Cytoskeleton and Extracellular Matrix. Cells, 2023, 12, 942.	1.8	10

#	Article	IF	Citations
3878	Current advances in nonâ€viral gene delivery systems: Liposomes versus extracellular vesicles. , 2023, 1, .		14
3879	STAM transports STING oligomers into extracellular vesicles, downâ€regulating the innate immune response. Journal of Extracellular Vesicles, 2023, 12, .	5.5	7
3880	Expanding roles of centrosome abnormalities in cancers. BMB Reports, 2023, 56, 216-224.	1.1	4
3881	Extracellular vesicles rejuvenate the microenvironmental modulating function of recipient tissue-specific mesenchymal stem cells in osteopenia treatment. Frontiers in Endocrinology, 0, 14, .	1.5	2
3882	Bioengineered Exosomes Bearing Adenosine A2a Receptor for the Treatment of Neuroinflammation. Journal of Biomedical Nanotechnology, 2022, 18, 2642-2650.	0.5	0
3883	ExosomePurity: tumour purity deconvolution in serum exosomes based on miRNA signatures. Briefings in Bioinformatics, 0, , .	3.2	0
3885	Surface proteome of plasma extracellular vesicles as mechanistic and clinical biomarkers for malaria. Infection, 2023, 51, 1491-1501.	2.3	3
3886	Mesenchymal stem cell-derived extracellular vesicles subvert Th17 cells by destabilizing RORÎ³t through posttranslational modification. Experimental and Molecular Medicine, 2023, 55, 665-679.	3.2	3
3887	Tau Transfer via Extracellular Vesicles Disturbs the Astrocytic Mitochondrial System. Cells, 2023, 12, 985.	1.8	3
3888	Microparticle Phosphatidylserine Mediates Coagulation: Involvement in Tumor Progression and Metastasis. Cancers, 2023, 15, 1957.	1.7	3
3889	CA-IX-Expressing Small Extracellular Vesicles (sEVs) Are Released by Melanoma Cells under Hypoxia and in the Blood of Advanced Melanoma Patients. International Journal of Molecular Sciences, 2023, 24, 6122.	1.8	2
3890	Clinical Application of Small Extracellular Vesicles in Gynecologic Malignancy Treatments. Cancers, 2023, 15, 1984.	1.7	0
3891	Evidence for RNA or protein transport from somatic tissues to the male reproductive tract in mouse. ELife, 0, 12, .	2.8	3
3892	Exosomes in Cardiovascular Disease: From Mechanism to Therapeutic Target. Metabolites, 2023, 13, 479.	1.3	7
3893	Extracellular vesicles released from ganglioside GD2-expressing melanoma cells enhance the malignant properties of GD2-negative melanomas. Scientific Reports, 2023, 13, .	1.6	4
3894	From Exosome Biogenesis to Absorption: Key Takeaways for Cancer Research. Cancers, 2023, 15, 1992.	1.7	8
3895	miRNAs as Predictors of Barrier Integrity. Biosensors, 2023, 13, 422.	2.3	2
3896	Highlighting In Vitro the Role of Brain-like Endothelial Cells on the Maturation and Metabolism of Brain Pericytes by SWATH Proteomics. Cells, 2023, 12, 1010.	1.8	0

#	Article	IF	Citations
3897	Proteomic Profiling of Fallopian Tube-Derived Extracellular Vesicles Using a Microfluidic Tissue-on-Chip System. Bioengineering, 2023, 10, 423.	1.6	5
3898	Mass spectrometryâ€based proteomics approaches to interrogate skeletal muscle adaptations to exercise. Scandinavian Journal of Medicine and Science in Sports, 2024, 34, .	1.3	4
3899	Roles and mechanisms of exosomal microRNAs in viral infections. Archives of Virology, 2023, 168, .	0.9	0
3900	Extracellular vesicles from Lactobacillus druckerii inhibit hypertrophic scar fibrosis. Journal of Nanobiotechnology, 2023, 21, .	4.2	7
3901	Robust Acute Pancreatitis Identification and Diagnosis: RAPIDx. ACS Nano, 2023, 17, 8564-8574.	7.3	5
3902	Data-Independent Acquisition Phosphoproteomics of Urinary Extracellular Vesicles Enables Renal Cell Carcinoma Grade Differentiation. Molecular and Cellular Proteomics, 2023, 22, 100536.	2.5	5
3903	Efficacy of extracellular vesicles of different cell origins in traumatic brain injury: A systematic review and network meta-analysis. Frontiers in Neuroscience, 0, 17, .	1.4	1
3904	Endothelial cells release microvesicles that harbour multivesicular bodies and secrete exosomes. , 2023, 2, .		5
3905	Research Advances on Stem Cell-Derived Extracellular Vesicles Promoting the Reconstruction of Alveolar Bone through RANKL/RANK/OPG Pathway. Journal of Functional Biomaterials, 2023, 14, 193.	1.8	1
3906	The essential roles of small non-coding RNAs and RNA modifications in normal and malignant hematopoiesis. Frontiers in Molecular Biosciences, 0, 10, .	1.6	0
3907	Effects of lysate/tissue storage at â^'80Â°C on subsequently extracted EVs of epithelial ovarian cancer tissue origins. IScience, 2023, 26, 106521.	1.9	1
3908	Analytical device miniaturization for the detection of circulating biomarkers. , 2023, 1, 481-498.		11
3909	Extracellular Vesicles Act as Carriers for Cargo Delivery and Regulate Wnt Signaling in the Hepatocellular Carcinoma Tumor Microenvironment. Cancers, 2023, 15, 2088.	1.7	1
3910	Purification Analysis, Intracellular Tracking, and Colocalization of Extracellular Vesicles Using Atomic Force and 3D Single-Molecule Localization Microscopy. Analytical Chemistry, 2023, 95, 6061-6070.	3.2	0
3911	MitoEVs: A new player in multiple disease pathology and treatment. Journal of Extracellular Vesicles, 2023, 12, .	5.5	13
3912	Macrophages and small extracellular vesicle mediated-intracellular communication in the peritoneal microenvironment: Impact on endometriosis development. Frontiers in Reproductive Health, 0, 5, .	0.6	2
3913	Extracellular vesicles in tumor angiogenesis and resistance to antiâ€angiogenic therapy. Cancer Science, 2023, 114, 2739-2749.	1.7	3
3914	Instead of Calories, Should We Be Counting our Consumption of Exosomes and MicroRNAs?. MicroRNA (Shariqah, United Arab Emirates), 2023, 12, .	0.6	0

#	Article	IF	Citations
3915	Mesenchymal Stem Cell-derived Exosomes: Novel Therapeutic Approach for Inflammatory Bowel Diseases. Stem Cells International, 2023, 2023, 1-16.	1.2	10
3917	Plasma extracellular vesicle transcriptomics identifies <scp>CD160</scp> for predicting immunochemotherapy efficacy in lung cancer. Cancer Science, 2023, 114, 2774-2786.	1.7	4
3918	Extracellular Vesicles and Their Zeta Potential as Future Markers Associated with Nutrition and Molecular Biomarkers in Breast Cancer. International Journal of Molecular Sciences, 2023, 24, 6810.	1.8	2
3919	Mesenchymal Stem Cell-Derived Exosomes in Ophthalmology: A Comprehensive Review. Pharmaceutics, 2023, 15, 1167.	2.0	5
3920	Matrix vesicles promote bone repair after a femoral bone defect in mice. PLoS ONE, 2023, 18, e0284258.	1.1	6
3921	The functional and clinical roles of liquid biopsy in patient-derived models. Journal of Hematology and Oncology, 2023, 16, .	6.9	11
3922	Surface Glycan Profiling of Extracellular Vesicles by Lectin Microarray and Glycoengineering for Control of Cellular Interactions. Pharmaceutical Research, 2023, 40, 795-800.	1.7	1
3923	Analysis of tumor-draining vein secretome: A direct access to tumor-derived extracellular vesicles in surgical lung cancer patients. Biocell, 2023, 47, 951-957.	0.4	0
3924	Proteomic analysis reveals microvesicles containing NAMPT as mediators of radioresistance in glioma. Life Science Alliance, 2023, 6, e202201680.	1.3	7
3925	Exosomes: a potential diagnostic and treatment modality in the quest for counteracting cancer. Cellular Oncology (Dordrecht), 2023, 46, 1159-1179.	2.1	10
3926	Phosphatidylserine-positive extracellular vesicles boost effector CD8 ⁺ T cell responses during viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	2
3927	Tumor-derived Cav-1 promotes pre-metastatic niche formation and lung metastasis in breast cancer. Theranostics, 2023, 13, 1684-1697.	4.6	13
3928	The role of extracellular vesicles in periodontitis: pathogenesis, diagnosis, and therapy. Frontiers in Immunology, 0, 14, .	2.2	2
3929	Extracellular vesicle-mediated remodeling of the bone marrow microenvironment in myeloid malignancies. International Journal of Hematology, 0, , .	0.7	2
3930	The molecular mechanism of human stem cell-derived extracellular vesicles in retinal repair and regeneration. Stem Cell Research and Therapy, 2023, 14, .	2.4	1
3931	Study of the Molecular Mechanisms of the Therapeutic Properties of Extracellular Vesicles. International Journal of Molecular Sciences, 2023, 24, 7093.	1.8	1
3933	Liver-derived extracellular vesicles from patients with hepatitis B virus-related acute-on-chronic liver failure impair hepatic regeneration by inhibiting on FGFR2 signaling via miR-218-5p. Hepatology International, 2023, 17, 833-849.	1.9	3
3934	A review of the regulatory mechanisms of extracellular vesicles-mediated intercellular communication. Cell Communication and Signaling, 2023, 21, .	2.7	33

#	Article	IF	Citations
3935	Effect of Genetic Factors, Age and Sex on Levels of Circulating Extracellular Vesicles and Platelets. International Journal of Molecular Sciences, 2023, 24, 7183.	1.8	0
3936	Biology and therapeutic potential of mesenchymal stem cell extracellular vesicles in axial spondyloarthritis. Communications Biology, 2023, 6, .	2.0	2
3937	Extracellular Vesicles for Therapeutic Nucleic Acid Delivery: Loading Strategies and Challenges. International Journal of Molecular Sciences, 2023, 24, 7287.	1.8	8
3938	Analyses of single extracellular vesicles from non-small lung cancer cells to reveal effects of epidermal growth factor receptor inhibitor treatments. Talanta, 2023, 259, 124553.	2.9	1
3939	Incorporation, fate, and turnover of free fatty acids in cyanobacteria. FEMS Microbiology Reviews, 2023, 47, .	3.9	0
3940	Protective properties of extracellular vesicles in sepsis models: a systematic review and meta-analysis of preclinical studies. Journal of Translational Medicine, 2023, 21, .	1.8	2
3941	Bidirectional Communication Between the Brain and Other Organs: The Role of Extracellular Vesicles. Cellular and Molecular Neurobiology, 2023, 43, 2675-2696.	1.7	7
3944	Potential for Therapeutic-Loaded Exosomes to Ameliorate the Pathogenic Effects of Î±-Synuclein in Parkinsonâ€™s Disease. Biomedicines, 2023, 11, 1187.	1.4	5
3946	Assessing Breast Cancer Molecular Subtypes Using Extracellular Vesiclesâ€™ mRNA. Analytical Chemistry, 2023, 95, 7665-7675.	3.2	3
3947	Depletion of abundant plasma proteins for extracellular vesicle proteome characterization: benefits and pitfalls. Analytical and Bioanalytical Chemistry, 2023, 415, 3177-3187.	1.9	4
3948	Enveloped viruses pseudotyped with mammalian myogenic cell fusogens target skeletal muscle for gene delivery. Cell, 2023, 186, 2062-2077.e17.	13.5	5
3949	Orange-derived extracellular vesicles nanodrugs for efficient treatment of ovarian cancer assisted by transcytosis effect. Acta Pharmaceutica Sinica B, 2023, 13, 5121-5134.	5.7	3
3951	Platelet-Released Extracellular Vesicle Characteristics Differ in Chronic and in Acute Heart Disease. Thrombosis and Haemostasis, 2023, 123, 892-903.	1.8	3
3952	Bone Marrow Mesenchymal Stem Cells-derived Exosomal Long Non-coding RNA KLF3 antisense RNA 1 Enhances Autophagy to Protect Against Cerebral Ischemia/Reperfusion Injury Via ETS Variant Transcription Factor 4/Silent Information Regulator 1 Axis. Neuroscience, 2023, 521, 44-57.	1.1	3
3954	Astrocyte-Derived Exosomes Differentially Shape T Cellsâ€™ Immune Response in MS Patients. International Journal of Molecular Sciences, 2023, 24, 7470.	1.8	4
3955	The landscape of exosomal non-coding RNAs in breast cancer drug resistance, focusing on underlying molecular mechanisms. Frontiers in Pharmacology, 0, 14, .	1.6	11
3956	Neuroblastoma: Emerging trends in pathogenesis, diagnosis, and therapeutic targets. Journal of Controlled Release, 2023, 357, 444-459.	4.8	2
3958	HIV Promotes Atherosclerosis via Circulating Extracellular Vesicle MicroRNAs. International Journal of Molecular Sciences, 2023, 24, 7567.	1.8	4

#	Article	IF	Citations
3959	Clinical-Grade Patches as a Medium for Enrichment of Sweat-Extracellular Vesicles and Facilitating Their Metabolic Analysis. International Journal of Molecular Sciences, 2023, 24, 7507.	1.8	2
3960	T cell-derived exosomes in tumor immune modulation and immunotherapy. Frontiers in Immunology, 0, 14, .	2.2	2
3961	Extracellular Vesicles and Their Mimetics: A Comparative Study of Their Pharmacological Activities and Immunogenicity Profiles. Pharmaceutics, 2023, 15, 1290.	2.0	1
3962	Exosomal miRNAs in the microenvironment of pancreatic cancer. Clinica Chimica Acta, 2023, , 117360.	0.5	1
3963	Bioengineered Mesenchymal-Stromal-Cell-Derived Extracellular Vesicles as an Improved Drug Delivery System: Methods and Applications. Biomedicines, 2023, 11, 1231.	1.4	2
3964	Extracellular Vesicles of the Plant Pathogen Botrytis cinerea. Journal of Fungi (Basel, Switzerland), 2023, 9, 495.	1.5	5
3966	Tumor-derived extracellular vesicles delivering TNF-Î± promotes colorectal cancer metastasis via the NF-kB/LAMB3/AKT axis by targeting SNAP23. Archives of Biochemistry and Biophysics, 2023, 741, 109605.	1.4	3
3967	Ultrasensitive Protein Detection Technologies for Extracellular Vesicle Measurements. Molecular and Cellular Proteomics, 2023, 22, 100557.	2.5	4
3968	Role of circular RNAs in osteoarthritis: update on pathogenesis and therapeutics. Molecular Genetics and Genomics, 2023, 298, 791-801.	1.0	1
3969	Engineered extracellular vesicles (EVs): Promising diagnostic/therapeutic tools for pediatric high-grade glioma. Biomedicine and Pharmacotherapy, 2023, 163, 114630.	2.5	4
3970	Milk-derived small extracellular vesicles: nanomaterials to promote bone formation. Journal of Nanobiotechnology, 2022, 20, .	4.2	6
4004	Methodologies for Scalable Production of High-Quality Purified Small Extracellular Vesicles from Conditioned Medium. Methods in Molecular Biology, 2023, , 69-98.	0.4	3
4005	Cilia-Derived Extracellular Vesicles in Caenorhabditis Elegans: In Vivo Imaging and Quantification of Extracellular Vesicle Release and Capture. Methods in Molecular Biology, 2023, , 277-299.	0.4	1
4007	Quantitative Analysis of Extracellular Vesicle Release Using Artificial MicroRNAs. Methods in Molecular Biology, 2023, , 191-207.	0.4	0
4009	Characterization of Extracellular Vesicles by Transmission Electron Microscopy and Immunolabeling Electron Microscopy. Methods in Molecular Biology, 2023, , 33-43.	0.4	5
4012	Exosome-mediated crosstalk between tumor cells and innate immune cells: implications for cancer progression and therapeutic strategies. Journal of Cancer Research and Clinical Oncology, 2023, 149, 9487-9503.	1.2	4
4033	Stem Cell Therapy and Its Products Such as Exosomes: Modern Regenerative Medicine Approach. Biochemistry, 0, , .	0.8	0
4043	Nanotechnology-based approaches in glioblastoma treatment: How can the dual blood-brain/tumor barriers be overcome?. , 2023, , 435-475.		1

#	Article	IF	Citations
4054	Mechanisms of axonal support by oligodendrocyte-derived extracellular vesicles. Nature Reviews Neuroscience, 2023, 24, 474-486.	4.9	8
4064	Biomaterials and MSCs composites in regenerative medicine. , 2023, , 69-99.		0
4075	Adipocyte-derived extracellular vesicles: bridging the communications between obesity and tumor microenvironment. Discover Oncology, 2023, 14, .	0.8	2
4080	Live-Imaging Detection of Multivesicular Body-Plasma Membrane Fusion and Exosome Release in Cultured Primary Neurons. Methods in Molecular Biology, 2023, , 213-220.	0.4	0
4104	The Detection of Urinary Exosomal miRNAs for Cancer Diagnostics and Prognostics. Biochip Journal, 0, , .	2.5	0
4119	Cell-Derived Extracellular Vesicles for Tissue Engineering and Regenerative Medicine. , 2023, , 1-33.		0
4144	A tetranuclear polypyridylruthenium(<scp>ii</scp>) complex as a selective stain for extracellular vesicle penetration through brain microvascular endothelium. Chemical Communications, 2023, 59, 6877-6880.	2.2	0
4151	Emerging integrated SERS-microfluidic devices for analysis of cancer-derived small extracellular vesicles. Lab on A Chip, 2023, 23, 2899-2921.	3.1	6
4183	The therapeutic potential of exosomes in lung cancer. Cellular Oncology (Dordrecht), 2023, 46, 1181-1212.	2.1	2
4202	Particle Assays. Lecture Notes in Quantum Chemistry II, 2023, , 245-308.	0.3	0
4207	Bacteria in cancer initiation, promotion and progression. Nature Reviews Cancer, 2023, 23, 600-618.	12.8	21
4218	RNA-binding Proteins as a New Link Between COPD and Lung Cancer. , 2023, , .		0
4245	Liquid Biopsy in Hepatocellular Carcinoma. Methods in Molecular Biology, 2023, , 213-225.	0.4	0
4249	Aquaporin water channels: roles beyond renal water handling. Nature Reviews Nephrology, 2023, 19, 604-618.	4.1	5
4252	Progress in research on mesenchymal stem cells and their extracellular vesicles for treating fibrosis in systemic sclerosis. Clinical and Experimental Medicine, 2023, 23, 2997-3009.	1.9	0
4308	Extracellular vesicles: powerful candidates in nano-drug delivery systems. Drug Delivery and Translational Research, 0, , .	3.0	0
4319	Phospholipase A2 inhibitors in lung cancer therapy. , 2023, , 159-172.		0
4321	Filtration-based technologies for isolation, purification and analysis of extracellular vesicles. Physical Chemistry Chemical Physics, 0, , .	1.3	0

#	Article	IF	Citations
4345	Platelet-Derived Extracellular Vesicles in Arterial Thrombosis. Advances in Experimental Medicine and Biology, 2023, , 259-275.	0.8	1
4348	Cell or cell derivative-laden hydrogels for myocardial infarction therapy: from the perspective of cell types. Journal of Materials Chemistry B, 2023, 11, 9867-9888.	2.9	0
4356	Long Non-coding RNA Involved in the Pathophysiology of Atrial Fibrillation. Cardiovascular Drugs and Therapy, 0, , .	1.3	0
4358	The expanding organelle lipidomes: current knowledge and challenges. Cellular and Molecular Life Sciences, 2023, 80, .	2.4	2
4361	Small-molecule probes from bench to bedside: advancing molecular analysis of drugâ€“target interactions toward precision medicine. Chemical Society Reviews, 2023, 52, 5706-5743.	18.7	7
4379	Translational Opportunities of Extracellular Vesicles in Biomedicine. Current Cancer Research, 2023, , 61-92.	0.2	0
4413	Exploiting Exosomes for Cancer Diagnosis and Treatment. Current Cancer Research, 2023, , 43-59.	0.2	0
4423	Role of Stem Cells and Derived Exosomes as Novel Therapeutic Agents against Neuroinflammation and Stroke. , 2023, , 193-230.		0
4427	Intranasal administration nanosystems for brain-targeted drug delivery. Nano Research, 2023, 16, 13077-13099.	5.8	1
4446	Extracellular Vesicles and Fatty Liver. Advances in Experimental Medicine and Biology, 2023, , 129-141.	0.8	1
4448	Extracellular Vesicles and Obesity. Advances in Experimental Medicine and Biology, 2023, , 143-153.	0.8	0
4455	Density-Based Fractionation of Cell-Conditioned Medium to Prepare Proteomics Grade Extracellular Vesicles. Methods in Molecular Biology, 2023, , 253-269.	0.4	1
4456	Biotechnological Implications of Extracellular Vesicles. Environmental and Microbial Biotechnology, 2023, , 359-394.	0.4	0
4493	Mesenchymal stem cells in chronic kidney disease and therapeutic signaling pathways. , 2024, , 385-397.		0
4496	Extracellular vesicles in kidney development and pediatric kidney diseases. Pediatric Nephrology, 0, , .	0.9	1
4508	Cardioprotective Strategies After Ischemiaâ€“Reperfusion Injury. American Journal of Cardiovascular Drugs, 0, , .	1.0	1
4511	Emerging Stem Cell Therapy and Tissue Engineering-Based Approaches in Neurodegenerative Diseases. , 2023, , 1-49.		0
4521	Vascular calcification: from the perspective of crosstalk. Molecular Biomedicine, 2023, 4, .	1.7	1

#	Article	IF	Citations
4535	Innovative preconditioning strategies for improving the therapeutic efficacy of extracellular vesicles derived from mesenchymal stem cells in gastrointestinal diseases. Inflammopharmacology, 0, , .	1.9	0
4536	Mesenchymal Stromal Cells for Wound Healing Therapy: From Expectations to Reality. , 2023, , 1-38.		0
4544	Cancer stem cellâ€“derived exosomes: what is known to date. , 2024, , 591-607.		0
4567	Dual impacts of mesenchymal stem cell-derived exosomes on cancer cells: unravelling complex interactions. Journal of Cell Communication and Signaling, 2023, 17, 1229-1247.	1.8	0
4613	Estrus Physiology and Potential of Extracellular Vesicular miRNA as Biomarkers: A Theoretical Review. Physiology, 0, , .	4.0	0
4615	Muscle Progenitor Cell Fusion in the Maintenance of Skeletal Muscle. Results and Problems in Cell Differentiation, 2024, , 257-279.	0.2	0
4617	Cell Fusion and Syncytia Formation in Cancer. Results and Problems in Cell Differentiation, 2024, , 433-465.	0.2	0
4648	Insights into the complex interactions between Rab22a and extracellular vesicles in cancers. Inflammation Research, 0, , .	1.6	0
4672	Urinary extracellular vesicles in childhood kidney diseases. Pediatric Nephrology, 0, , .	0.9	0
4697	Diagnostic and therapeutic value of EVs in lungs diseases and inflammation. Molecular Biology Reports, 2024, 51, .	1.0	0
4718	Gastric cancer and mesenchymal stem cell-derived exosomes: from pro-tumorigenic effects to anti-cancer vehicles. Archives of Pharmacal Research, 0, , .	2.7	0
4731	Mitochondria as secretory organelles and therapeutic cargos. Experimental and Molecular Medicine, 2024, 56, 66-85.	3.2	1
4739	Extracellular vesicle-mediated ferroptosis, pyroptosis, and necroptosis: potential clinical applications in cancer therapy. Cell Death Discovery, 2024, 10, .	2.0	2
4750	Emerging treatments in graft reconditioning beyond machine perfusion. , 2024, , 187-231.		0
4752	Tumor-derived extracellular vesicles: how they mediate glioma immunosuppression. Molecular Biology Reports, 2024, 51, .	1.0	0
4753	Emerging roles of exosomes in oral diseases progression. International Journal of Oral Science, 2024, 16, .	3.6	0
4757	Working with mineralizing extracellular vesicles. Part V: Use of Mineralizing extracellular vesicles in bone regeneration. , 2024, , 385-405.		0
4776	The biochemistry of mineralizing extracellular vesicles. Part I: The role of phosphatases. , 2024, , 95-126.		0

#	Article	IF	Citations
4807	A comprehensive review on ginger-derived exosome-like nanoparticles as feasible therapeutic nano-agents against diseases. Materials Advances, 2024, 5, 1846-1867.	2.6	0
4809	Autophagy in bone metabolism and its possible role on the function of mineralizing extracellular vesicles. , 2024, , 175-190.		0
4822	Tumor-derived microvesicles for cancer therapy. Biomaterials Science, 2024, 12, 1131-1150.	2.6	0
4828	Adipose-derived extracellular vesicles â€“ a novel cross-talk mechanism in insulin resistance, non-alcoholic fatty liver disease, and polycystic ovary syndrome. Endocrine, 0, , .	1.1	0
4833	Structural Determinants of Small Extracellular Vesicles (Exosomes) and Their Role in Biological Functions. Neurochemical Journal, 2023, 17, 547-559.	0.2	0
4841	Roles of exosomes in immunotherapy for solid cancers. Cell Death and Disease, 2024, 15, .	2.7	0
4876	Enhancing osteoporosis treatment with engineered mesenchymal stem cell-derived extracellular vesicles: mechanisms and advances. Cell Death and Disease, 2024, 15, .	2.7	0
4886	Extracellular Vesicles for Therapeutic Applications. Physiology, 0, , .	4.0	0
4891	Research progress of exosomes in the angiogenesis of digestive system tumour. Discover Oncology, 2024, 15, .	0.8	0
4920	Role of inflammasomes in HIV-1 and drug abuse-mediated neuroinflammation. , 2024, , 209-224.		0
4924	Stem Cells and Extracellular Vesicles for Prevention and Treatment of Liver Fibrosis. , 2024, , .		0
4926	Mechanisms and mediators of disease. , 2024, , 100-117.		0
4948	Deciphering the Role of Nanomedicines for the Treatment of Ischemic Stroke. , 2023, , 193-217.		0
4952	Editorial: Organ crosstalk in the pathophysiology and treatment of type-2 diabetes. Frontiers in Endocrinology, 0, 15, .	1.5	0
5014	Extracellular Vesicles as the Dynamic Structural and Functional Network in Aging-Related Diseases and Cancer Treatment. , 2024, , .		0
5021	Plasmonic Nanobiosensors for Early Diagnosis of Cancers. , 2024, , 1-49.		0