

New Technologies for Analysis of Extracellular Vesicles

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Integrated nanoscale deterministic lateral displacement arrays for separation of extracellular vesicles from clinically-relevant volumes of biological samples. <i>Lab on A Chip</i> , 2018, 18, 3913-3925.	3.1	129
2	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	5.5	6,961
3	Design and synthesis of magnetic nanoparticles for biomedical diagnostics. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 957-970.	1.1	24
4	Large Extracellular Vesicles: Have We Found the Holy Grail of Inflammation?. <i>Frontiers in Immunology</i> , 2018, 9, 2723.	2.2	121
5	ExoAPP: Exosome-Oriented, Aptamer Nanoprobe-Enabled Surface Proteins Profiling and Detection. <i>Analytical Chemistry</i> , 2018, 90, 14402-14411.	3.2	158
6	The Role of MicroRNAs in Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2018, 9, 3557-3569.	1.2	128
7	Caveolin-1-containing extracellular vesicles transport adhesion proteins and promote malignancy in breast cancer cell lines. <i>Nanomedicine</i> , 2018, 13, 2597-2609.	1.7	58
8	Systematic Methodological Evaluation of a Multiplex Bead-Based Flow Cytometry Assay for Detection of Extracellular Vesicle Surface Signatures. <i>Frontiers in Immunology</i> , 2018, 9, 1326.	2.2	168
9	Recent Progress in Isolation and Detection of Extracellular Vesicles for Cancer Diagnostics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800484.	3.9	106
10	Characterization and applications of extracellular vesicle proteome with post-translational modifications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 107, 21-30.	5.8	33
11	Functions of Exosomes in the Triangular Relationship between the Tumor, Inflammation, and Immunity in the Tumor Microenvironment. <i>Journal of Immunology Research</i> , 2019, 2019, 1-10.	0.9	30
12	Clinical implications of extracellular vesicles in neurodegenerative diseases. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 813-824.	1.5	14
13	Towards precision medicine: the role and potential of protein and peptide microarrays. <i>Analyst</i> , The, 2019, 144, 5353-5367.	1.7	14
14	Exosome-specific tumor diagnosis via biomedical analysis of exosome-containing microRNA biomarkers. <i>Analyst</i> , The, 2019, 144, 5856-5865.	1.7	30
15	An ultrasensitive electrochemical aptasensor for the determination of tumor exosomes based on click chemistry. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111503.	5.3	120
16	New insight into isolation, identification techniques and medical applications of exosomes. <i>Journal of Controlled Release</i> , 2019, 308, 119-129.	4.8	130
17	Microfluidic strategies for label-free exosomes isolation and analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 686-698.	5.8	47
18	The biological functions and clinical applications of exosomes in lung cancer. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4613-4633.	2.4	90

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19	Exosomal MMP2 derived from mature osteoblasts promotes angiogenesis of endothelial cells via VEGF/Erk1/2 signaling pathway. <i>Experimental Cell Research</i> , 2019, 383, 111541.	1.2	39
20	Potential Role of Exosomes in Cancer Metastasis. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	64
21	Deciphering Fungal Extracellular Vesicles: From Cell Biology to Pathogenesis. <i>Current Clinical Microbiology Reports</i> , 2019, 6, 89-97.	1.8	12
22	Nondestructive Characterization of Stem Cell Neurogenesis by a Magneto-Plasmonic Nanomaterial-Based Exosomal miRNA Detection. <i>ACS Nano</i> , 2019, 13, 8793-8803.	7.3	65
23	Cell Intrinsic and Extrinsic Mechanisms of Caveolin-1-Enhanced Metastasis. <i>Biomolecules</i> , 2019, 9, 314.	1.8	38
25	Exosomal miRNA-1231 derived from bone marrow mesenchymal stem cells inhibits the activity of pancreatic cancer. <i>Cancer Medicine</i> , 2019, 8, 7728-7740.	1.3	74
26	Isolation and Retrieval of Extracellular Vesicles for Liquid Biopsy of Malignant Ground-Glass Opacity. <i>Analytical Chemistry</i> , 2019, 91, 13729-13736.	3.2	21
27	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. <i>Nature Biomedical Engineering</i> , 2019, 3, 183-193.	11.6	324
28	A novel strategy for facile serum exosome isolation based on specific interactions between phospholipid bilayers and TiO ₂ . <i>Chemical Science</i> , 2019, 10, 1579-1588.	3.7	134
29	Label-Free Exosomal Detection and Classification in Rapid Discriminating Different Cancer Types Based on Specific Raman Phenotypes and Multivariate Statistical Analysis. <i>Molecules</i> , 2019, 24, 2947.	1.7	20
30	Screening for new macrophage therapeutics. <i>Theranostics</i> , 2019, 9, 7714-7729.	4.6	26
31	Water-Soluble and Bright Luminescent Cesium-Lead-Bromide Perovskite Quantum Dot-Polymer Composites for Tumor-Derived Exosome Imaging. <i>ACS Applied Bio Materials</i> , 2019, 2, 5872-5879.	2.3	38
32	A Novel Semiconductor-Based Flow Cytometer with Enhanced Light-Scatter Sensitivity for the Analysis of Biological Nanoparticles. <i>Scientific Reports</i> , 2019, 9, 16039.	1.6	54
33	Engineering State-of-the-Art Plasmonic Nanomaterials for SERS-Based Clinical Liquid Biopsy Applications. <i>Advanced Science</i> , 2019, 6, 1900730.	5.6	112
34	Extracellular vesicles in urologic malignancies—Implementations for future cancer care. <i>Cell Proliferation</i> , 2019, 52, e12659.	2.4	20
35	Application of high-performance magnetic nanobeads to biological sensing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1825-1837.	1.9	30
36	The role of microvesicles containing microRNAs in vascular endothelial dysfunction. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7933-7945.	1.6	37
37	3D cell culture stimulates the secretion of in vivo like extracellular vesicles. <i>Scientific Reports</i> , 2019, 9, 13012.	1.6	159

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38	Lymphocyte nadir predicts tumor response and survival in locally advanced rectal cancer after neoadjuvant chemoradiotherapy: Immunologic relevance. <i>Radiotherapy and Oncology</i> , 2019, 131, 52-59.	0.3	23
39	Autologous cancer cell-derived extracellular vesicles as drug-delivery systems: a systematic review of preclinical and clinical findings and translational implications. <i>Nanomedicine</i> , 2019, 14, 493-509.	1.7	16
40	Microvesicles from human adipose stem cells promote wound healing by optimizing cellular functions via AKT and ERK signaling pathways. <i>Stem Cell Research and Therapy</i> , 2019, 10, 47.	2.4	186
41	Urine-based liquid biopsy: non-invasive and sensitive AR-V7 detection in urinary EVs from patients with prostate cancer. <i>Lab on A Chip</i> , 2019, 19, 87-97.	3.1	56
42	Biosensors for Detection of Human Placental Pathologies: A Review of Emerging Technologies and Current Trends. <i>Translational Research</i> , 2019, 213, 23-49.	2.2	23
43	Exosomes from human adipose-derived stem cells promote sciatic nerve regeneration via optimizing Schwann cell function. <i>Journal of Cellular Physiology</i> , 2019, 234, 23097-23110.	2.0	85
44	Human Platelet Membrane Functionalized Microchips with Plasmonic Codes for Cancer Detection. <i>Advanced Functional Materials</i> , 2019, 29, 1902669.	7.8	25
45	Extracellular vesicles in type 2 diabetes mellitus: key roles in pathogenesis, complications, and therapy. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1625677.	5.5	88
46	A catalytic molecule machine-driven biosensing method for amplified electrochemical detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111397.	5.3	76
47	Exosomes from human bone-marrow-derived mesenchymal stem cells protect against renal ischemia/reperfusion injury via transferring miR-199a-3p. <i>Journal of Cellular Physiology</i> , 2019, 234, 23736-23749.	2.0	102
48	Hyaluronic Acid Hydrogel Integrated with Mesenchymal Stem Cell Secretome to Treat Endometrial Injury in a Rat Model of Asherman's Syndrome. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900411.	3.9	103
49	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. <i>Angewandte Chemie</i> , 2019, 131, 8811-8815.	1.6	87
50	Aptamer-based fluorescence polarization assay for separation-free exosome quantification. <i>Nanoscale</i> , 2019, 11, 10106-10113.	2.8	66
51	Advances in therapeutic applications of extracellular vesicles. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	595
52	Advances in Technologies for Purification and Enrichment of Extracellular Vesicles. <i>SLAS Technology</i> , 2019, 24, 477-488.	1.0	29
53	A Microfluidic Chip Enables Isolation of Exosomes and Establishment of Their Protein Profiles and Associated Signaling Pathways in Ovarian Cancer. <i>Cancer Research</i> , 2019, 79, 3503-3513.	0.4	72
54	Exosomal long non-coding RNAs: biological properties and therapeutic potential in cancer treatment. <i>Journal of Zhejiang University: Science B</i> , 2019, 20, 488-495.	1.3	12
55	Ultrasensitive and Reversible Nanoplatfom of Urinary Exosomes for Prostate Cancer Diagnosis. <i>ACS Sensors</i> , 2019, 4, 1433-1441.	4.0	62

#	ARTICLE	IF	CITATIONS
56	Vps4A mediates the localization and exosome release of β -catenin to inhibit epithelial-mesenchymal transition in hepatocellular carcinoma. <i>Cancer Letters</i> , 2019, 457, 47-59.	3.2	41
57	Rapid Detection of Exosomal MicroRNAs Using Virus-Mimicking Fusogenic Vesicles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8719-8723.	7.2	123
58	Microfluidic on-demand engineering of exosomes towards cancer immunotherapy. <i>Lab on A Chip</i> , 2019, 19, 1877-1886.	3.1	67
59	Mesenchymal stem cell exosomes: a two-edged sword in cancer therapy; <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2847-2859.	3.3	184
60	Fully Automated, Label-Free Isolation of Extracellular Vesicles from Whole Blood for Cancer Diagnosis and Monitoring. <i>Theranostics</i> , 2019, 9, 1851-1863.	4.6	74
61	Exosomes: The Indispensable Messenger in Tumor Pathogenesis and the Rising Star in Antitumor Applications. <i>Advanced Biology</i> , 2019, 3, e1900008.	3.0	8
62	Simple and rapid extracellular vesicles quantification via membrane biotinylation strategy coupled with fluorescent nanospheres-based lateral flow assay. <i>Talanta</i> , 2019, 200, 408-414.	2.9	16
63	Thermophoretically enriched detection. <i>Nature Biomedical Engineering</i> , 2019, 3, 163-164.	11.6	7
64	Extracellular Vesicles Long RNA Sequencing Reveals Abundant mRNA, circRNA, and lncRNA in Human Blood as Potential Biomarkers for Cancer Diagnosis. <i>Clinical Chemistry</i> , 2019, 65, 798-808.	1.5	174
65	Rapid Capture and Nondestructive Release of Extracellular Vesicles Using Aptamer-Based Magnetic Isolation. <i>ACS Sensors</i> , 2019, 4, 1245-1251.	4.0	89
66	Subtyping of circulating exosome-bound amyloid β reflects brain plaque deposition. <i>Nature Communications</i> , 2019, 10, 1144.	5.8	136
67	Exploiting heat shock protein expression to develop a non-invasive diagnostic tool for breast cancer. <i>Scientific Reports</i> , 2019, 9, 3461.	1.6	11
68	Multiplexed profiling of single-cell extracellular vesicles secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5979-5984.	3.3	95
69	The role of extracellular vesicles from different origin in the microenvironment of head and neck cancers. <i>Molecular Cancer</i> , 2019, 18, 83.	7.9	85
70	Manipulation of bio-micro/nanoparticles in non-Newtonian microflows. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	31
71	Optimisation of imaging flow cytometry for the analysis of single extracellular vesicles by using fluorescence-tagged vesicles as biological reference material. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1587567.	5.5	224
72	Exosome Biochemistry and Advanced Nanotechnology for Next-Generation Theranostic Platforms. <i>Advanced Materials</i> , 2019, 31, e1802896.	11.1	234
73	Recent advances in extracellular vesicle research for urological cancers: From technology to application. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1871, 342-360.	3.3	16

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74	̂-DNA- and Aptamer-Mediated Sorting and Analysis of Extracellular Vesicles. <i>Journal of the American Chemical Society</i> , 2019, 141, 3817-3821.	6.6	198
75	Size-dependent sub-proteome analysis of urinary exosomes. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4141-4149.	1.9	17
76	Label-free visualization and characterization of extracellular vesicles in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24012-24018.	3.3	58
77	Extracellular vesicle (EV)-polyphenol nanoaggregates for microRNA-based cancer diagnosis. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	10
78	Rapid and label-free isolation of small extracellular vesicles from biofluids utilizing a novel insulator based dielectrophoretic device. <i>Lab on A Chip</i> , 2019, 19, 3726-3734.	3.1	61
79	NeuroEVs: Characterizing Extracellular Vesicles Generated in the Neural Domain. <i>Journal of Neuroscience</i> , 2019, 39, 9262-9268.	1.7	35
80	Extracellular Vesiclesâ€“Encapsulated MicroRNA-125b Produced in Genetically Modified Mesenchymal Stromal Cells Inhibits Hepatocellular Carcinoma Cell Proliferation. <i>Cells</i> , 2019, 8, 1560.	1.8	40
81	Emerging Nanotechnologies for Liquid Biopsy: The Detection of Circulating Tumor Cells and Extracellular Vesicles. <i>Advanced Materials</i> , 2019, 31, e1805344.	11.1	81
82	Exosome Release Is Regulated by mTORC1. <i>Advanced Science</i> , 2019, 6, 1801313.	5.6	90
83	Characterization of single microvesicles in plasma from glioblastoma patients. <i>Neuro-Oncology</i> , 2019, 21, 606-615.	0.6	72
84	Lipid Nanovesicles by Microfluidics: Manipulation, Synthesis, and Drug Delivery. <i>Advanced Materials</i> , 2019, 31, e1804788.	11.1	62
85	Effects of tumor necrosis factorâ€“Î±â€“induced exosomes on the endothelial cellular behavior, metabolism and bioenergetics. <i>Microcirculation</i> , 2019, 26, e12515.	1.0	6
86	Circulating exosomes regulate Tâ€“cellâ€“mediated inflammatory response in oral lichen planus. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 143-150.	1.4	28
87	Macrophages alternatively activated by endometriosis-exosomes contribute to the development of lesions in mice. <i>Molecular Human Reproduction</i> , 2019, 25, 5-16.	1.3	48
88	Extracellular Microvesicles as New Industrial Therapeutic Frontiers. <i>Trends in Biotechnology</i> , 2019, 37, 707-729.	4.9	141
89	Exosomes in hepatocellular carcinoma: a new horizon. <i>Cell Communication and Signaling</i> , 2019, 17, 1.	2.7	115
90	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. <i>ChemBioChem</i> , 2019, 20, 451-461.	1.3	92
91	Eutopic stromal cells of endometriosis promote neuroangiogenesis via exosome pathwayâ€“. <i>Biology of Reproduction</i> , 2019, 100, 649-659.	1.2	35

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92	Gemcitabine loaded autologous exosomes for effective and safe chemotherapy of pancreatic cancer. <i>Acta Biomaterialia</i> , 2020, 101, 519-530.	4.1	189
93	Mesenchymal stem cell-derived extracellular vesicles for the treatment of acute respiratory distress syndrome. <i>Stem Cells Translational Medicine</i> , 2020, 9, 28-38.	1.6	119
94	Tumor Liquid Biopsies. <i>Recent Results in Cancer Research</i> , 2020, , .	1.8	11
95	A ratiometric electrochemical DNA biosensor for detection of exosomal MicroRNA. <i>Talanta</i> , 2020, 207, 120298.	2.9	74
96	Simultaneous Detection of Exosomal Membrane Protein and RNA by Highly Sensitive Aptamer Assisted Multiplexed PCR. <i>ACS Applied Bio Materials</i> , 2020, 3, 2560-2567.	2.3	22
97	Progress in Microfluidics-Based Exosome Separation and Detection Technologies for Diagnostic Applications. <i>Small</i> , 2020, 16, e1903916.	5.2	193
99	Personalized detection of circling exosomal PD-L1 based on Fe ₃ O ₄ @TiO ₂ isolation and SERS immunoassay. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111800.	5.3	150
100	The nanostructured secretome. <i>Biomaterials Science</i> , 2020, 8, 39-63.	2.6	36
101	The significance of exosomes in the development and treatment of hepatocellular carcinoma. <i>Molecular Cancer</i> , 2020, 19, 1.	7.9	387
102	Chemoenzymatic Labeling of Extracellular Vesicles for Visualizing Their Cellular Internalization in Real Time. <i>Analytical Chemistry</i> , 2020, 92, 2103-2111.	3.2	13
103	Sequential phosphoproteomics and N-glycoproteomics of plasma-derived extracellular vesicles. <i>Nature Protocols</i> , 2020, 15, 161-180.	5.5	56
104	Essential Current Concepts in Stem Cell Biology. <i>Learning Materials in Biosciences</i> , 2020, , .	0.2	2
105	Advances in the study of exosomal lncRNAs in tumors and the selection of research methods. <i>Biomedicine and Pharmacotherapy</i> , 2020, 123, 109716.	2.5	30
106	Hot EVs – How temperature affects extracellular vesicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 146, 55-63.	2.0	38
107	The Level of Circulating Microparticles in Patients with Coronary Heart Disease: a Systematic Review and Meta-Analysis. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 702-712.	1.1	14
108	Dual-Selective Magnetic Analysis of Extracellular Vesicle Glycans. <i>Matter</i> , 2020, 2, 150-166.	5.0	37
109	Quality and efficiency assessment of six extracellular vesicle isolation methods by nano-flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1697028.	5.5	353
110	New Sensors for Extracellular Vesicles: Insights on Constituent and Associated Biomarkers. <i>ACS Sensors</i> , 2020, 5, 4-12.	4.0	29

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111	Detection of EGFR Mutations Using Bronchial Washing-Derived Extracellular Vesicles in Patients with Non-Small-Cell Lung Carcinoma. <i>Cancers</i> , 2020, 12, 2822.	1.7	19
112	Circulating exosomal <sc>microRNAs</sc> as emerging non-invasive clinical biomarkers in heart failure: Mega bio-roles of a nano bio-particle. <i>IUBMB Life</i> , 2020, 72, 2546-2562.	1.5	26
113	Electrochemical biosensor for ultrasensitive exosomal miRNA analysis by cascade primer exchange reaction and MOF@Pt@MOF nanozyme. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112554.	5.3	112
114	Expansion of human mesenchymal stem/stromal cells (hMSCs) in bioreactors using microcarriers: lessons learnt and what the future holds. <i>Biotechnology Advances</i> , 2020, 45, 107636.	6.0	38
115	Extracellular vesicles-based drug delivery systems for cancer immunotherapy. <i>Journal of Controlled Release</i> , 2020, 328, 562-574.	4.8	18
116	<p>>Exosome: A Review of Its Classification, Isolation Techniques, Storage, Diagnostic and Targeted Therapy Applications</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6917-6934.	3.3	564
117	Development of a simple, sensitive and selective colorimetric aptasensor for the detection of cancer-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112576.	5.3	59
118	The Role of Exosomal microRNAs and Oxidative Stress in Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	74
119	Advances in Natural or Synthetic Nanoparticles for Metastatic Melanoma Therapy and Diagnosis. <i>Cancers</i> , 2020, 12, 2893.	1.7	14
120	Amphipathic helical peptide-based fluorogenic probes for a marker-free analysis of exosomes based on membrane-curvature sensing. <i>RSC Advances</i> , 2020, 10, 38323-38327.	1.7	7
121	Compositional Variation and Functional Mechanism of Exosomes in the Articular Microenvironment in Knee Osteoarthritis. <i>Cell Transplantation</i> , 2020, 29, 096368972096849.	1.2	13
122	EVs as Potential New Therapeutic Tool/Target in Gastrointestinal Cancer and HCC. <i>Cancers</i> , 2020, 12, 3019.	1.7	18
123	Exosome engineering: Current progress in cargo loading and targeted delivery. <i>NanoImpact</i> , 2020, 20, 100261.	2.4	217
124	Differential expression and significance of miRNAs in plasma extracellular vesicles of patients with Parkinson's disease. <i>International Journal of Neuroscience</i> , 2022, 132, 673-688.	0.8	31
125	Emerging Prospects of Exosomes for Cancer Treatment: From Conventional Therapy to Immunotherapy. <i>Advanced Materials</i> , 2020, 32, e2002440.	11.1	160
126	A facile, rapid, high-throughput extracellular vesicles analytical platform for cancer detection. <i>Analytica Chimica Acta</i> , 2020, 1138, 132-140.	2.6	7
127	Simple and Fast SEC-Based Protocol to Isolate Human Plasma-Derived Extracellular Vesicles for Transcriptional Research. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 723-737.	1.8	24
128	Assessment of extracellular vesicles using IFC for application in transfusion medicine. <i>Transfusion and Apheresis Science</i> , 2020, 59, 102942.	0.5	2

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129	Characterizing Extracellular Vesicles and Their Diverse RNA Contents. <i>Frontiers in Genetics</i> , 2020, 11, 700.	1.1	150
130	Exosomes as potential sources of biomarkers in colorectal cancer. <i>Cancer Letters</i> , 2020, 476, 13-22.	3.2	124
131	Transfer of microRNA-221 from mesenchymal stem cell-derived extracellular vesicles inhibits atherosclerotic plaque formation. <i>Translational Research</i> , 2020, 226, 83-95.	2.2	27
132	An exosome-like programmable-bioactivating paclitaxel prodrug nanoplatform for enhanced breast cancer metastasis inhibition. <i>Biomaterials</i> , 2020, 257, 120224.	5.7	87
133	Exosome Released From Schwann Cells May Be Involved in Microenergy Acoustic Pulse-Associated Cavernous Nerve Regeneration. <i>Journal of Sexual Medicine</i> , 2020, 17, 1618-1628.	0.3	15
134	Intercellular transmission of Seneca Valley virus mediated by exosomes. <i>Veterinary Research</i> , 2020, 51, 91.	1.1	7
135	Applying CRISPR/Cas13 to Construct Exosomal PD-L1 Ultrasensitive Biosensors for Dynamic Monitoring of Tumor Progression in Immunotherapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000093.	1.6	26
136	Pursuing mechanisms of extracellular vesicle formation. Effects of sample processing. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2020, 32, 113-155.	0.3	8
137	Current Perspectives on Clinical Use of Exosomes as a Personalized Contrast Media and Theranostics. <i>Cancers</i> , 2020, 12, 3386.	1.7	23
138	<p>Advances in Exosome-Based Drug Delivery and Tumor Targeting: From Tissue Distribution to Intracellular Fate</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9355-9371.	3.3	132
139	Extracellular vesicles in cardiovascular disease. <i>Advances in Clinical Chemistry</i> , 2021, 103, 47-95.	1.8	33
140	Immune Regulation by Dendritic Cell Extracellular Vesicles in Cancer Immunotherapy and Vaccines. <i>Cancers</i> , 2020, 12, 3558.	1.7	35
141	Positively charged gold-silver nanostar enabled molecular characterization of cancer associated extracellular vesicles. <i>Analytical Methods</i> , 2020, 12, 5908-5915.	1.3	7
142	Rational Synthesis of Aptamer-Functionalized Polyethylenimine-Modified Magnetic Graphene Oxide Composites for Highly Efficient Enrichment and Comprehensive Metabolomics Analysis of Exosomes. <i>Analytical Chemistry</i> , 2020, 92, 15497-15505.	3.2	24
143	The Role of Caspase-4 and NLRP1 in MCF7 Cell Pyroptosis Induced by hUCMSC-Secreted Factors. <i>Stem Cells International</i> , 2020, 2020, 1-14.	1.2	9
144	Precision Detection Technology: Equipping Precision Oncology with Wings. <i>Journal of Oncology</i> , 2020, 2020, 1-8.	0.6	5
145	Proteomic Profiling of Serum Exosomes From Patients With Metastatic Gastric Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 1113.	1.3	47
146	Separation and characterization of extracellular vesicles from human plasma by asymmetrical flow field-flow fractionation. <i>Analytica Chimica Acta</i> , 2020, 1127, 234-245.	2.6	41

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147	Electrokinetic characterization of extracellular vesicles with capillary electrophoresis: A new tool for their identification and quantification. <i>Analytica Chimica Acta</i> , 2020, 1128, 42-51.	2.6	33
148	Characterization and stabilization in process development and product formulation for super large proteinaceous particles. <i>Engineering in Life Sciences</i> , 2020, 20, 451-465.	2.0	10
149	Facile fluorescent aptasensor using aggregation-induced emission luminogens for exosomal proteins profiling towards liquid biopsy. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112520.	5.3	55
150	Perils and Promises of Pathogenic Protozoan Extracellular Vesicles. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 371.	1.8	18
151	Angiogenic Exosome-Derived microRNAs: Emerging Roles in Cardiovascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 824-840.	1.1	8
152	Engineering extracellular vesicles for cancer therapy: recent advances and challenges in clinical translation. <i>Biomaterials Science</i> , 2020, 8, 6978-6991.	2.6	16
153	Using a lactadherin-immobilized silicon surface for capturing and monitoring plasma microvesicles as a foundation for diagnostic device development. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8093-8106.	1.9	3
154	Cascade signal amplification for sensitive detection of exosomes by integrating tyramide and surface-initiated enzymatic polymerization. <i>Chemical Communications</i> , 2020, 56, 12793-12796.	2.2	15
155	Small extracellular vesicle-bound vascular endothelial growth factor secreted by carcinoma-associated fibroblasts promotes angiogenesis in a bevacizumab-resistant manner. <i>Cancer Letters</i> , 2020, 492, 71-83.	3.2	32
156	Exosomal noncoding RNAs in colorectal cancer. <i>Cancer Letters</i> , 2020, 493, 228-235.	3.2	13
157	A Protocol for Cancer-Related Mutation Detection on Exosomal DNA in Clinical Application. <i>Frontiers in Oncology</i> , 2020, 10, 558106.	1.3	9
158	Applications of Bionano Sensor for Extracellular Vesicles Analysis. <i>Materials</i> , 2020, 13, 3677.	1.3	9
159	Plasmon-Enhanced Biosensing for Multiplexed Profiling of Extracellular Vesicles. <i>Advanced Biology</i> , 2020, 4, e2000003.	3.0	40
160	Progress in exosome associated tumor markers and their detection methods. <i>Molecular Biomedicine</i> , 2020, 1, 3.	1.7	35
161	The Delivery of Extracellular Vesicles Loaded in Biomaterial Scaffolds for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1015.	2.0	35
162	Internalization of trophoblastic small extracellular vesicles and detection of their miRNA cargo in Pâ€bodies. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1812261.	5.5	25
163	Lipidomic Biomarkers of Extracellular Vesicles for the Prediction of Preterm Birth in the Early Second Trimester. <i>Journal of Proteome Research</i> , 2020, 19, 4104-4113.	1.8	14
164	Advances in Exosome Analysis Methods with an Emphasis on Electrochemistry. <i>Analytical Chemistry</i> , 2020, 92, 12733-12740.	3.2	51

#	ARTICLE	IF	CITATIONS
165	The future of Extracellular Vesicles as Theranostics – an ISEV meeting report. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1809766.	5.5	77
166	Multiresolution Imaging Using Bioluminescence Resonance Energy Transfer Identifies Distinct Biodistribution Profiles of Extracellular Vesicles and Exomeres with Redirected Tropism. <i>Advanced Science</i> , 2020, 7, 2001467.	5.6	50
167	The Involvement of Exosomes in Glioblastoma Development, Diagnosis, Prognosis, and Treatment. <i>Brain Sciences</i> , 2020, 10, 553.	1.1	42
168	<p>A Review of Biomimetic Nanoparticle Drug Delivery Systems Based on Cell Membranes</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 5495-5503.	2.0	36
169	The Role(s) of Eicosanoids and Exosomes in Human Parturition. <i>Frontiers in Physiology</i> , 2020, 11, 594313.	1.3	10
170	Extracellular Vesicles as Potential Biomarkers for Early Detection and Diagnosis of Pancreatic Cancer. <i>Biomedicines</i> , 2020, 8, 581.	1.4	26
171	Extracellular Vesicles as Unique Signaling Messengers: Role in Lung Diseases. , 2020, 11, 1351-1369.		12
172	Cross-Kingdom Extracellular Vesicles EV-RNA Communication as a Mechanism for Host–Pathogen Interaction. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 593160.	1.8	33
173	The Biological Function of Extracellular Vesicles during Fertilization, Early Embryo–Maternal Crosstalk and Their Involvement in Reproduction: Review and Overview. <i>Biomolecules</i> , 2020, 10, 1510.	1.8	19
175	Effects of exercise modalities on BDNF and IL-1 β content in circulating total extracellular vesicles and particles obtained from aged rats. <i>Experimental Gerontology</i> , 2020, 142, 111124.	1.2	12
176	Stem-Cell Therapy as a Potential Strategy for Radiation-Induced Brain Injury. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 639-649.	1.7	11
177	Adipose-derived stem cells in wound healing of full-thickness skin defects: a review of the literature. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2020, 54, 263-279.	0.4	29
178	Promising advances in clinical trials of dental tissue-derived cell-based regenerative medicine. <i>Stem Cell Research and Therapy</i> , 2020, 11, 175.	2.4	43
179	Acute Lung Injury: Disease Modelling and the Therapeutic Potential of Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1298, 149-166.	0.8	17
180	Exosome-templated nanoplasmonics for multiparametric molecular profiling. <i>Science Advances</i> , 2020, 6, eaba2556.	4.7	56
181	Immune Escape Mediated by Exosomal PD–L1 in Cancer. <i>Advanced Biology</i> , 2020, 4, e2000017.	3.0	19
182	Modeling EV Kinetics for Use in Early Cancer Detection. <i>Advanced Biology</i> , 2020, 4, e1900305.	3.0	33
183	Terminal deoxynucleotidyl transferase based signal amplification for enzyme-linked aptamer-sorbent assay of colorectal cancer exosomes. <i>Talanta</i> , 2020, 218, 121089.	2.9	13

#	ARTICLE	IF	CITATIONS
184	Ultrabright Fluorescent Silica Nanoparticles for Multiplexed Detection. <i>Nanomaterials</i> , 2020, 10, 905.	1.9	5
185	An integrative microfluidic device for isolation and ultrasensitive detection of lung cancer-specific exosomes from patient urine. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112290.	5.3	81
186	RNA delivery by extracellular vesicles in mammalian cells and its applications. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 585-606.	16.1	1,010
187	Cellular microparticles for tumor targeting delivery: from bench to bedside. <i>Chemical Communications</i> , 2020, 56, 6171-6188.	2.2	11
188	Use of nanosphere self-assembly to pattern nanoporous membranes for the study of extracellular vesicles. <i>Nanoscale Advances</i> , 2020, 2, 4427-4436.	2.2	8
189	Detection of Secretion of Exosomes from Individual Cell in Real-Time by Multifunctional Nanoelectrode-Nanopore Nanopipettes. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, e20061-e20068.	0.9	3
190	Nanoparticle-based biosensors for detection of extracellular vesicles in liquid biopsies. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6710-6738.	2.9	32
191	The potential of liquid biopsies in gastrointestinal cancer. <i>Clinical Biochemistry</i> , 2020, 84, 1-12.	0.8	14
192	Identification of core genes in the progression of endometrial cancer and cancer cell-derived exosomes by an integrative analysis. <i>Scientific Reports</i> , 2020, 10, 9862.	1.6	26
193	Bridging the hydrodynamic Drude model and local transformation optics theory. <i>Physical Review B</i> , 2020, 101, .	1.1	2
194	The role of exosomes in stroke. <i>Molecular Biology Reports</i> , 2020, 47, 6217-6228.	1.0	13
195	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	79
196	The Roles of Exosomes in Visual and Auditory Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 525.	2.0	18
197	Extracellular Vesicles as Potential Prognostic Markers of Lymphatic Dysfunction. <i>Frontiers in Physiology</i> , 2020, 11, 476.	1.3	13
198	Oral Administration of Bovine Milk-Derived Extracellular Vesicles Alters the Gut Microbiota and Enhances Intestinal Immunity in Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1901251.	1.5	64
199	Monolithically-integrated cytometer for measuring particle diameter in the extracellular vesicle size range using multi-angle scattering. <i>Lab on A Chip</i> , 2020, 20, 1267-1280.	3.1	2
200	Autologous Versatile Vesicles-Incorporated Biomimetic Extracellular Matrix Induces Biomaterialization. <i>Advanced Functional Materials</i> , 2020, 30, 2000015.	7.8	23
201	Surface plasmon resonance assay for exosomes based on aptamer recognition and polydopamine-functionalized gold nanoparticles for signal amplification. <i>Mikrochimica Acta</i> , 2020, 187, 251.	2.5	31

#	ARTICLE	IF	CITATIONS
202	EV-Ident: Identifying Tumor-Specific Extracellular Vesicles by Size Fractionation and Single-Vesicle Analysis. <i>Analytical Chemistry</i> , 2020, 92, 6010-6018.	3.2	22
203	Extracellular Vesicles in NAFLD/ALD: From Pathobiology to Therapy. <i>Cells</i> , 2020, 9, 817.	1.8	36
204	High-Efficiency Separation of Extracellular Vesicles from Lipoproteins in Plasma by Agarose Gel Electrophoresis. <i>Analytical Chemistry</i> , 2020, 92, 7493-7499.	3.2	28
205	Quantitative Localized Analysis Reveals Distinct Exosomal Protein-Specific Glycosignatures: Implications in Cancer Cell Subtyping, Exosome Biogenesis, and Function. <i>Journal of the American Chemical Society</i> , 2020, 142, 7404-7412.	6.6	47
206	MicroRNAs in Small Extracellular Vesicles Indicate Successful Embryo Implantation during Early Pregnancy. <i>Cells</i> , 2020, 9, 645.	1.8	40
207	Application of Pb(II) to probe the physiological responses of fungal intracellular vesicles. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110441.	2.9	18
208	Immunoregulatory Effects of Stem Cell-Derived Extracellular Vesicles on Immune Cells. <i>Frontiers in Immunology</i> , 2020, 11, 13.	2.2	75
209	Nanosponges of circulating tumor-derived exosomes for breast cancer metastasis inhibition. <i>Biomaterials</i> , 2020, 242, 119932.	5.7	77
210	Aptamer-guided extracellular vesicle theranostics in oncology. <i>Theranostics</i> , 2020, 10, 3849-3866.	4.6	45
211	Extracellular vesicles based electrochemical biosensors for detection of cancer cells: A review. <i>Chinese Chemical Letters</i> , 2020, 31, 1737-1745.	4.8	47
212	Clinical applications of exosome membrane proteins. <i>Precision Clinical Medicine</i> , 2020, 3, 54-66.	1.3	101
213	Enabling Sensitive Phenotypic Profiling of Cancer-Derived Small Extracellular Vesicles Using Surface-Enhanced Raman Spectroscopy Nanotags. <i>ACS Sensors</i> , 2020, 5, 764-771.	4.0	66
214	Automated molecular-image cytometry and analysis in modern oncology. <i>Nature Reviews Materials</i> , 2020, 5, 409-422.	23.3	19
215	Biomarker Organization in Circulating Extracellular Vesicles: New Applications in Detecting Neurodegenerative Diseases. <i>Advanced Biology</i> , 2020, 4, e1900309.	3.0	10
216	Homogenous Magneto-Fluorescent Nanosensor for Tumor-Derived Exosome Isolation and Analysis. <i>ACS Sensors</i> , 2020, 5, 2052-2060.	4.0	50
217	AFM-Based High-Throughput Nanomechanical Screening of Single Extracellular Vesicles. <i>Analytical Chemistry</i> , 2020, 92, 10274-10282.	3.2	72
218	Introductory Chapter: An Overview to the Extracellular Vesicles. , 0, , .		0
219	Technologies and Standardization in Research on Extracellular Vesicles. <i>Trends in Biotechnology</i> , 2020, 38, 1066-1098.	4.9	250

#	ARTICLE	IF	CITATIONS
220	Gene-activated engineered exosome directs osteoblastic differentiation of progenitor cells and induces vascularized osteogenesis in situ. <i>Chemical Engineering Journal</i> , 2020, 400, 125939.	6.6	9
221	Exosomes derived from synovial fibroblasts under hypoxia aggravate rheumatoid arthritis by regulating Treg/Th17 balance. <i>Experimental Biology and Medicine</i> , 2020, 245, 1177-1186.	1.1	26
222	<p>Exosomal Long Non-Coding RNA Expression from Serum of Patients with Acute Minor Stroke</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 153-160.	1.0	19
223	Analysis of Adult Neural Retina Extracellular Vesicle Release, RNA Transport and Proteomic Cargo. , 2020, 61, 30.		15
224	Refining Cancer Management Using Integrated Liquid Biopsy. <i>Theranostics</i> , 2020, 10, 2374-2384.	4.6	39
225	Resistive-Pulse Sensing Inside Single Living Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 5778-5784.	6.6	90
226	Electron Microscopy-Based Comparison and Investigation of the Morphology of Exosomes Derived from Hepatocellular Carcinoma Cells Isolated at Different Centrifugal Speeds. <i>Microscopy and Microanalysis</i> , 2020, 26, 310-318.	0.2	6
227	A nature-inspired colorimetric and fluorescent dual-modal biosensor for exosomes detection. <i>Talanta</i> , 2020, 214, 120851.	2.9	44
228	Roles of circRNAs in the tumour microenvironment. <i>Molecular Cancer</i> , 2020, 19, 14.	7.9	146
229	Deep Sequencing Analysis Reveals Distinctive Non-Coding RNAs When Comparing Tumor Multidrug-Resistant Cells and Extracellular Vesicles with Drug-Sensitive Counterparts. <i>Cancers</i> , 2020, 12, 200.	1.7	13
230	The mechanisms and treatments for sarcopenia: could exosomes be a perspective research strategy in the future?. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 348-365.	2.9	67
231	High-sensitive and multiplex biosensing assay of NSCLC-derived exosomes via different recognition sites based on SPRI array. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112066.	5.3	63
232	Potential roles of extracellular vesicles in the pathophysiology, diagnosis, and treatment of autoimmune diseases. <i>International Journal of Biological Sciences</i> , 2020, 16, 620-632.	2.6	59
233	Integrated Dual-Mode Chromatography to Enrich Extracellular Vesicles from Plasma. <i>Advanced Biology</i> , 2020, 4, e1900310.	3.0	46
234	Circulating Exosomal miRNA as Diagnostic Biomarkers of Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 53.	1.4	90
235	Extracellular vesicles for tumor targeting delivery based on five features principle. <i>Journal of Controlled Release</i> , 2020, 322, 555-565.	4.8	68
236	Optical, electrochemical and electrical (nano)biosensors for detection of exosomes: A comprehensive overview. <i>Biosensors and Bioelectronics</i> , 2020, 161, 112222.	5.3	128
237	Sample preparation and fractionation techniques for intact proteins for mass spectrometric analysis. <i>Journal of Separation Science</i> , 2021, 44, 211-246.	1.3	32

#	ARTICLE	IF	CITATIONS
238	Extracellular vesicles: A bright star of nanomedicine. <i>Biomaterials</i> , 2021, 269, 120467.	5.7	179
239	Aptamer-based CRISPR/Cas12a assay for the ultrasensitive detection of extracellular vesicle proteins. <i>Talanta</i> , 2021, 221, 121670.	2.9	45
240	Exosomes and extracellular vesicles as liquid biopsy biomarkers in diffuse large B-cell lymphoma: Current state of the art and unmet clinical needs. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 284-294.	1.1	12
241	IKK β activation promotes amphisome formation and extracellular vesicle secretion in tumor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118857.	1.9	20
242	Immunomodulatory properties of extracellular vesicles in the dialogue between placental and immune cells. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13383.	1.2	16
243	Extracellular Vesicle Analysis Allows for Identification of Invasive IPMN. <i>Gastroenterology</i> , 2021, 160, 1345-1358.e11.	0.6	60
244	Role of Exosomes in Biological Communication Systems. , 2021, , .		10
245	miRNAs in osteoclast biology. <i>Bone</i> , 2021, 143, 115757.	1.4	18
246	Electrical Cartridge Sensor Enables Reliable and Direct Identification of MicroRNAs in Urine of Patients. <i>ACS Sensors</i> , 2021, 6, 833-841.	4.0	25
247	Clinical relevance of extracellular vesicles in hematological neoplasms: from liquid biopsy to cell biopsy. <i>Leukemia</i> , 2021, 35, 661-678.	3.3	40
248	Plant Exosome-like Nanovesicles: Emerging Therapeutics and Drug Delivery Nanoplatfoms. <i>Molecular Therapy</i> , 2021, 29, 13-31.	3.7	211
249	Exosomal miR-365a-5p derived from HUC-MSCs regulates osteogenesis in GIONFH through the Hippo signaling pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 565-576.	2.3	14
250	Breast cancer exosomes contribute to pre-metastatic niche formation and promote bone metastasis of tumor cells. <i>Theranostics</i> , 2021, 11, 1429-1445.	4.6	163
251	Endometrial cell-derived small extracellular vesicle miR-100-5p promotes functions of trophoblast during embryo implantation. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 217-231.	2.3	30
252	DNA Nanomachines for Identifying Cancer Biomarkers in Body Fluids and Cells. <i>Analytical Chemistry</i> , 2021, 93, 1855-1865.	3.2	31
253	Mass Spectrometry Imaging of Mass Tag Immunoassay Enables the Quantitative Profiling of Biomarkers from Dozens of Exosomes. <i>Analytical Chemistry</i> , 2021, 93, 709-714.	3.2	34
254	One-step quantification of salivary exosomes based on combined aptamer recognition and quantum dot signal amplification. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112733.	5.3	45
255	A facile "one-material" strategy for tandem enrichment of small extracellular vesicles phosphoproteome. <i>Talanta</i> , 2021, 223, 121776.	2.9	8

#	ARTICLE	IF	CITATIONS
256	Changes in phospholipid metabolism in exosomes of hormone-sensitive and hormone-resistant prostate cancer cells. <i>Journal of Cancer</i> , 2021, 12, 2893-2902.	1.2	13
257	Facile PEG-based isolation and classification of cancer extracellular vesicles and particles with label-free surface-enhanced Raman scattering and pattern recognition algorithm. <i>Analyst, The</i> , 2021, 146, 1949-1955.	1.7	11
258	BATF2 prevents glioblastoma multiforme progression by inhibiting recruitment of myeloid-derived suppressor cells. <i>Oncogene</i> , 2021, 40, 1516-1530.	2.6	14
259	Exosomes derived from tendon stem cells promote cell proliferation and migration through the TGF β^2 signal pathway. <i>Biochemical and Biophysical Research Communications</i> , 2021, 536, 88-94.	1.0	20
260	Exosomes from adipose-derived stem cells and application to skin wound healing. <i>Cell Proliferation</i> , 2021, 54, e12993.	2.4	190
261	Mesenchymal Stem Cell-Derived Exosomes: A Promising Biological Tool in Nanomedicine. <i>Frontiers in Pharmacology</i> , 2020, 11, 590470.	1.6	106
262	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. <i>Lab on A Chip</i> , 2021, 21, 3219-3243.	3.1	39
263	Specific enrichment and glycosylation discrepancy profiling of cellular exosomes using a dual-affinity probe. <i>Chemical Communications</i> , 2021, 57, 6249-6252.	2.2	21
264	Exosomal Long Non-Coding RNA: Interaction Between Cancer Cells and Non-Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 617837.	1.3	15
265	Current Status and Future Perspectives of Liquid Biopsy in Small Cell Lung Cancer. <i>Biomedicines</i> , 2021, 9, 48.	1.4	14
266	Introduction to the Community of Extracellular Vesicles. <i>Sub-Cellular Biochemistry</i> , 2021, 97, 3-18.	1.0	18
267	Colorimetric analysis of extracellular vesicle surface proteins based on controlled growth of Au aptasensors. <i>Analyst, The</i> , 2021, 146, 2019-2028.	1.7	4
268	CircUbe3a from M2 macrophage-derived small extracellular vesicles mediates myocardial fibrosis after acute myocardial infarction. <i>Theranostics</i> , 2021, 11, 6315-6333.	4.6	64
269	Extracellular vesicles derived from lipoaspirate fluid promote fat graft survival. <i>Adipocyte</i> , 2021, 10, 293-309.	1.3	5
270	MALDI-MS-based biomarker analysis of extracellular vesicles from human lung carcinoma cells. <i>RSC Advances</i> , 2021, 11, 25375-25380.	1.7	8
271	Preparation of Sm-doped CaZrO ₃ nanosheets for facile human serum exosome isolation. <i>New Journal of Chemistry</i> , 2021, 45, 11719-11726.	1.4	4
272	Insights into the mechanism of vascular endothelial cells on bone biology. <i>Bioscience Reports</i> , 2021, 41, .	1.1	7
273	The Evolving Landscape of Exosomes in Neurodegenerative Diseases: Exosomes Characteristics and a Promising Role in Early Diagnosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 440.	1.8	84

#	ARTICLE	IF	CITATIONS
274	Exosomes in atherosclerosis: performers, bystanders, biomarkers, and therapeutic targets. <i>Theranostics</i> , 2021, 11, 3996-4010.	4.6	70
275	Molecular Identification of Tumor-Derived Extracellular Vesicles Using Thermophoresis-Mediated DNA Computation. <i>Journal of the American Chemical Society</i> , 2021, 143, 1290-1295.	6.6	127
276	Therapeutic potential of adipose-derived mesenchymal stem cell exosomes in tissue-engineered bladders. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110015.	2.3	11
277	General and mild modification of food-derived extracellular vesicles for enhanced cell targeting. <i>Nanoscale</i> , 2021, 13, 3061-3069.	2.8	16
278	On-chip analysis of glioblastoma cell chemoresistance. , 2021, , 473-490.		0
279	Simple and fast isolation of circulating exosomes with a chitosan modified shuttle flow microchip for breast cancer diagnosis. <i>Lab on A Chip</i> , 2021, 21, 1759-1770.	3.1	33
280	Develop Micro/Nano Technologies for Cancer Diagnosis. , 2021, , .		0
281	A Human Cornea-on-A-Chip for the Study of Epithelial Wound Healing by Extracellular Vesicles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
282	Recent electrokinetic strategies for isolation, enrichment and separation of extracellular vesicles. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116179.	5.8	11
283	Clinical management and biology of tumor dormancy in breast cancer. <i>Seminars in Cancer Biology</i> , 2022, 78, 49-62.	4.3	24
284	Detection of Tumor-Associated Membrane Receptors on Extracellular Vesicles from Non-Small Cell Lung Cancer Patients via Immuno-PCR. <i>Cancers</i> , 2021, 13, 922.	1.7	15
285	Comparative evaluation of methods for isolating small extracellular vesicles derived from pancreatic cancer cells. <i>Cell and Bioscience</i> , 2021, 11, 37.	2.1	15
286	Exosome-mediated transfer of CD44 from high-metastatic ovarian cancer cells promotes migration and invasion of low-metastatic ovarian cancer cells. <i>Journal of Ovarian Research</i> , 2021, 14, 38.	1.3	32
287	Advances in Analytical Technologies for Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 4739-4774.	3.2	53
288	The Potential of Exosomal RNAs in Atherosclerosis Diagnosis and Therapy. <i>Frontiers in Neurology</i> , 2020, 11, 572226.	1.1	3
289	Facile and simple purification method for small extracellular vesicles obtained from a culture medium through cationic particle capture. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2523-2528.	1.9	2
290	Immunoregulatory Effects of Mitochondria Transferred by Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2020, 11, 628576.	2.2	16
291	In Situ Exosomal MicroRNA Determination by Target-Triggered SERS and Fe ₃ O ₄ @TiO ₂ -Based Exosome Accumulation. <i>ACS Sensors</i> , 2021, 6, 852-862.	4.0	56

#	ARTICLE	IF	CITATIONS
292	Development of dielectrophoresis chips and an electrode passivation technique for isolation/separation of nanoparticles. <i>Journal of Sensor Science and Technology</i> , 2021, 30, 119-124.	0.1	0
293	Detection of tumor-derived extracellular vesicles in plasma from patients with solid cancer. <i>BMC Cancer</i> , 2021, 21, 315.	1.1	18
294	Clinical Application of Liquid Biopsy in Non-Hodgkin Lymphoma. <i>Frontiers in Oncology</i> , 2021, 11, 658234.	1.3	12
295	Extracellular vesicle drug occupancy enables real-time monitoring of targeted cancer therapy. <i>Nature Nanotechnology</i> , 2021, 16, 734-742.	15.6	51
296	Microbubbles <i>versus</i> Extracellular Vesicles as Therapeutic Cargo for Targeting Drug Delivery. <i>ACS Nano</i> , 2021, 15, 3612-3620.	7.3	38
297	Beyond the Extracellular Vesicles: Technical Hurdles, Achieved Goals and Current Challenges When Working on Adipose Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3362.	1.8	6
298	Enrichment-Detection Integrated Exosome Profiling Biosensors Promising for Early Diagnosis of Cancer. <i>Analytical Chemistry</i> , 2021, 93, 4697-4706.	3.2	30
299	Aptamer-Exosomes for Tumor Theranostics. <i>ACS Sensors</i> , 2021, 6, 1418-1429.	4.0	20
300	Sequencing-Based Protein Analysis of Single Extracellular Vesicles. <i>ACS Nano</i> , 2021, 15, 5631-5638.	7.3	61
301	Exosomal Non-Coding RNAs: Regulatory and Therapeutic Target of Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 653846.	1.3	2
302	The key roles of cancer stem cell-derived extracellular vesicles. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 109.	7.1	64
303	Potential roles of extracellular vesicles in osteonecrosis of femoral head: A systematic review. <i>Gene</i> , 2021, 772, 145379.	1.0	2
304	Exosomes-transmitted miR-7 reverses gefitinib resistance by targeting YAP in non-small-cell lung cancer. <i>Pharmacological Research</i> , 2021, 165, 105442.	3.1	28
305	A magnetic bead-mediated selective adsorption strategy for extracellular vesicle separation and purification. <i>Acta Biomaterialia</i> , 2021, 124, 336-347.	4.1	26
306	Research advances for exosomal miRNAs detection in biosensing: From the massive study to the individual study. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112962.	5.3	32
307	Point-of-care cancer diagnostic devices: From academic research to clinical translation. <i>Talanta</i> , 2021, 225, 122002.	2.9	52
308	The mechanism by which noncoding RNAs regulate muscle wasting in cancer cachexia. <i>Precision Clinical Medicine</i> , 2021, 4, 136-147.	1.3	5
309	Towards microfluidic-based exosome isolation and detection for tumor therapy. <i>Nano Today</i> , 2021, 37, 101066.	6.2	112

#	ARTICLE	IF	CITATIONS
310	Extracellular Vesicles from 3D Engineered Microtissues Harbor Disease-Related Cargo Absent in EVs from 2D Cultures. <i>Advanced Healthcare Materials</i> , 2022, 11, e2002067.	3.9	16
311	Rapid exosomes concentration and in situ detection of exosomal microRNA on agarose-based microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129559.	4.0	25
312	The role and application of small extracellular vesicles in gastric cancer. <i>Molecular Cancer</i> , 2021, 20, 71.	7.9	51
313	Multifaceted Roles of Adipose Tissue-Derived Exosomes in Physiological and Pathological Conditions. <i>Frontiers in Physiology</i> , 2021, 12, 669429.	1.3	11
314	Surface-Enhanced Raman Scattering (SERS) Spectroscopy for Sensing and Characterization of Exosomes in Cancer Diagnosis. <i>Cancers</i> , 2021, 13, 2179.	1.7	49
315	Natural Killer Cell-Derived Extracellular Vesicles: Novel Players in Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 658698.	2.2	36
316	Extracellular vesicle-transferred long noncoding RNAs in bladder cancer. <i>Clinica Chimica Acta</i> , 2021, 516, 34-45.	0.5	4
317	New therapeutic approaches of mesenchymal stem cells-derived exosomes. <i>Journal of Biomedical Science</i> , 2021, 28, 39.	2.6	56
318	CRISPR-Cas13 System as a Promising and Versatile Tool for Cancer Diagnosis, Therapy, and Research. <i>ACS Synthetic Biology</i> , 2021, 10, 1245-1267.	1.9	38
319	Extracellular Vesicles: Potential Mediators of Psychosocial Stress Contribution to Osteoporosis?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5846.	1.8	6
320	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. <i>Nature Communications</i> , 2021, 12, 2536.	5.8	147
321	β -Glucan-stimulated neutrophil secretion of IL-1 β is independent of GSDMD and mediated through extracellular vesicles. <i>Cell Reports</i> , 2021, 35, 109139.	2.9	20
322	Mesenchymal Stromal Cells and Their Secretome: New Therapeutic Perspectives for Skeletal Muscle Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 652970.	2.0	50
323	Thermomicrofluidics for biosensing applications. <i>View</i> , 2021, 2, 20200148.	2.7	26
324	Therapeutic Exosomes in Prognosis and Developments of Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691548.	1.1	5
325	Placenta-Derived Exosomes as a Modulator in Maternal Immune Tolerance During Pregnancy. <i>Frontiers in Immunology</i> , 2021, 12, 671093.	2.2	49
326	Perivascular cell-derived extracellular vesicles stimulate colorectal cancer revascularization after withdrawal of antiangiogenic drugs. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12096.	5.5	20
327	Proteomics of extracellular vesicles in plasma reveals the characteristics and residual traces of COVID-19 patients without underlying diseases after 3 months of recovery. <i>Cell Death and Disease</i> , 2021, 12, 541.	2.7	25

#	ARTICLE	IF	CITATIONS
328	Rapid Characterization and Quantification of Extracellular Vesicles by Fluorescence-Based Microfluidic Diffusion Sizing. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100021.	3.9	13
329	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , 2021, 5, 678-689.	11.6	90
330	Surfactant-guided spatial assembly of nano-architectures for molecular profiling of extracellular vesicles. <i>Nature Communications</i> , 2021, 12, 4039.	5.8	14
331	Enrichment and Analysis of Breast Cancer Cell-Derived Extracellular Vesicles by Laser-Assisted Protein Adsorption in Thermoplastic Microchannels. , 2021, , .		0
332	Immunomodulatory Effect of Serum Exosomes From Crohn Disease on Macrophages via Let-7b-5p/TLR4 Signaling. <i>Inflammatory Bowel Diseases</i> , 2021, , .	0.9	11
333	Recent Progress in Detection and Profiling of Cancer Cell-Derived Exosomes. <i>Small</i> , 2021, 17, e2007971.	5.2	79
334	The Role of Small Extracellular Vesicles Derived from Lipopolysaccharide-preconditioned Human Dental Pulp Stem Cells in Dental Pulp Regeneration. <i>Journal of Endodontics</i> , 2021, 47, 961-969.	1.4	21
335	Understanding the Pathophysiology of Exosomes in Schistosomiasis: A New Direction for Disease Control and Prevention. <i>Frontiers in Immunology</i> , 2021, 12, 634138.	2.2	3
336	Polyethylenimine-Modified Mesoporous Silica Nanoparticles Induce a Survival Mechanism in Vascular Endothelial Cells via Microvesicle-Mediated Autophagosome Release. <i>ACS Nano</i> , 2021, 15, 10640-10658.	7.3	11
337	Extracellular Vesicles as an Emerging Frontier in Spinal Cord Injury Pathobiology and Therapy. <i>Trends in Neurosciences</i> , 2021, 44, 492-506.	4.2	53
338	Nanofluidics for Simultaneous Size and Charge Profiling of Extracellular Vesicles. <i>Nano Letters</i> , 2021, 21, 4895-4902.	4.5	11
339	Exosomes as Naturally Occurring Vehicles for Delivery of Biopharmaceuticals: Insights from Drug Delivery to Clinical Perspectives. <i>Nanomaterials</i> , 2021, 11, 1481.	1.9	74
340	Recent advances on protein-based quantification of extracellular vesicles. <i>Analytical Biochemistry</i> , 2021, 622, 114168.	1.1	19
341	Adipose-Derived Exosomes as Possible Players in the Development of Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7427.	1.8	16
342	The Biogenesis, Biological Functions, and Applications of Macrophage-Derived Exosomes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 715461.	1.6	30
343	Intelligent Probabilistic System for Digital Tracing Cellular Origin of Individual Clinical Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 10343-10350.	3.2	19
344	CM-Dil Staining and SEC of Plasma as an Approach to Increase Sensitivity of Extracellular Nanovesicles Quantification by Bead-Assisted Flow Cytometry. <i>Membranes</i> , 2021, 11, 526.	1.4	5
345	The Study of Ginger-Derived Extracellular Vesicles as a Natural Nanoscale Drug Carrier and Their Intestinal Absorption in Rats. <i>AAPS PharmSciTech</i> , 2021, 22, 206.	1.5	26

#	ARTICLE	IF	CITATIONS
346	Emerging technologies and commercial products in exosome-based cancer diagnosis and prognosis. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113176.	5.3	49
347	Exosomal miR-193b-5p as a regulator of LPS-induced inflammation in dairy cow mammary epithelial cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021, 57, 695-703.	0.7	8
348	Progress in the research of nanomaterial-based exosome bioanalysis and exosome-based nanomaterials tumor therapy. <i>Biomaterials</i> , 2021, 274, 120873.	5.7	37
349	Membrane Feature-Inspired Profiling of Extracellular Vesicles for Pancreatic Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 9860-9868.	3.2	11
350	Extracellular Vesicles under Oxidative Stress Conditions: Biological Properties and Physiological Roles. <i>Cells</i> , 2021, 10, 1763.	1.8	66
351	Extracellular Vesicles in Blood: Sources, Effects, and Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8163.	1.8	68
352	Extracellular Vesicles as Mediators of Cancer Disease and as Nanosystems in Theranostic Applications. <i>Cancers</i> , 2021, 13, 3324.	1.7	13
353	Strategies to Enhance Extracellular Vesicle Production. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 513-524.	1.6	30
354	The Role and Application of Salivary Exosomes in Malignant Neoplasms. <i>Cancer Management and Research</i> , 2021, Volume 13, 5813-5820.	0.9	3
355	Exosomal analysis: Advances in biosensor technology. <i>Clinica Chimica Acta</i> , 2021, 518, 142-150.	0.5	20
356	A High-Throughput Nanofluidic Device for Exosome Nanoporation to Develop Cargo Delivery Vehicles. <i>Small</i> , 2021, 17, e2102150.	5.2	19
357	Ruminant Milk-Derived Extracellular Vesicles: A Nutritional and Therapeutic Opportunity?. <i>Nutrients</i> , 2021, 13, 2505.	1.7	16
358	Nanotechnology-Based Strategies for Early Diagnosis of Central Nervous System Disorders. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100008.	1.7	16
359	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 300.	7.1	44
360	The Emerging Role of Neural Cell-Derived Exosomes in Intercellular Communication in Health and Neurodegenerative Diseases. <i>Frontiers in Neuroscience</i> , 2021, 15, 738442.	1.4	42
361	Ultrasensitive detection of tumor-specific exosomal proteins by a Single Microbead-based Aptasensor coupled with Terminal deoxynucleotidyl transferase-initiated DNA amplification (SMAT). <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 130034.	4.0	3
362	Extracellular Vesicle Separation Techniques Impact Results from Human Blood Samples: Considerations for Diagnostic Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9211.	1.8	13
363	Engineering Exosomes Endowed with Targeted Delivery of Triptolide for Malignant Melanoma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42411-42428.	4.0	35

#	ARTICLE	IF	CITATIONS
364	New perspective into mesenchymal stem cells: Molecular mechanisms regulating osteosarcoma. <i>Journal of Bone Oncology</i> , 2021, 29, 100372.	1.0	36
365	A Novel Microfluidic Chip for Fast, Sensitive Quantification of Plasma Extracellular Vesicles as Biomarkers in Patients With Osteosarcoma. <i>Frontiers in Oncology</i> , 2021, 11, 709255.	1.3	6
366	“Smart Exosomes”: A Smart Approach for Tendon Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 613-625.	2.5	15
367	Mesenchymal stem cell-derived exosomes: therapeutic implications for rotator cuff injury. <i>Regenerative Medicine</i> , 2021, 16, 803-815.	0.8	6
368	Origin and Characterization of Extracellular Vesicles Present in the Spider Venom of <i>Ornithoctonus hainana</i> . <i>Toxins</i> , 2021, 13, 579.	1.5	3
369	Dual-Aptamer-Assisted AND Logic Gate for Cyclic Enzymatic Signal Amplification Electrochemical Detection of Tumor-Derived Small Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 11298-11304.	3.2	48
370	Molecular cloning and characterization of CD63 in common carp infected with koi herpesvirus. <i>Developmental and Comparative Immunology</i> , 2021, 121, 104102.	1.0	3
371	Exosomes: Potential Disease Biomarkers and New Therapeutic Targets. <i>Biomedicines</i> , 2021, 9, 1061.	1.4	46
372	Mesenchymal stem cell-derived extracellular vesicles in therapy against fibrotic diseases. <i>Stem Cell Research and Therapy</i> , 2021, 12, 435.	2.4	16
373	Exosomal Proteins and miRNAs as Mediators of Amyotrophic Lateral Sclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 718803.	1.8	9
374	Exosomes: Advances, development and potential therapeutic strategies in diabetic nephropathy. <i>Metabolism: Clinical and Experimental</i> , 2021, 122, 154834.	1.5	31
375	Extracellular Vesicle-Associated miRNAs and Chemoresistance: A Systematic Review. <i>Cancers</i> , 2021, 13, 4608.	1.7	25
376	Exosomal miR-208b related with oxaliplatin resistance promotes Treg expansion in colorectal cancer. <i>Molecular Therapy</i> , 2021, 29, 2723-2736.	3.7	85
377	Development of Extracellular Vesicle Therapeutics: Challenges, Considerations, and Opportunities. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734720.	1.8	75
378	Exosomes—a potential indicator and mediator of cleft lip and palate: a narrative review. <i>Annals of Translational Medicine</i> , 2021, 9, 1485-1485.	0.7	3
379	Microfluidics-based technologies for the analysis of extracellular vesicles at the single-cell level and single-vesicle level. <i>Chinese Chemical Letters</i> , 2022, 33, 2893-2900.	4.8	17
380	A novel electrochemical aptasensor for exosomes determination and release based on specific host-guest interactions between cucurbit [7]uril and ferrocene. <i>Talanta</i> , 2021, 232, 122451.	2.9	17
381	Placental trophoblast cell-derived exosomal microRNA-1290 promotes the interaction between endometrium and embryo by targeting LHX6. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 760-772.	2.3	32

#	ARTICLE	IF	CITATIONS
383	Application of Extracellular Vesicles in Aquatic Animals: A Review of the Latest Decade. <i>Reviews in Fisheries Science and Aquaculture</i> , 2022, 30, 447-466.	5.1	4
384	Immunomodulation effect of mesenchymal stem cells in islet transplantation. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112042.	2.5	12
385	Synthesized nanoparticles, biomimetic nanoparticles and extracellular vesicles for treatment of autoimmune disease: Comparison and prospect. <i>Pharmacological Research</i> , 2021, 172, 105833.	3.1	5
386	Crosstalk between extracellular vesicles and autophagy in cardiovascular pathophysiology. <i>Pharmacological Research</i> , 2021, 172, 105628.	3.1	4
387	Tissue-derived extracellular vesicles: Research progress from isolation to application. <i>Pathology Research and Practice</i> , 2021, 226, 153604.	1.0	10
388	High-quality milk exosomes as oral drug delivery system. <i>Biomaterials</i> , 2021, 277, 121126.	5.7	75
389	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113465.	5.3	53
390	Calibration-free analysis of surface proteins on single extracellular vesicles enabled by DNA nanostructure. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113502.	5.3	18
391	Emerging biosensing platforms for quantitative detection of exosomes as diagnostic biomarkers. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214111.	9.5	13
392	Exosomal long non-coding RNAs: Emerging players in cancer metastasis and potential diagnostic biomarkers for personalized oncology. <i>Genes and Diseases</i> , 2021, 8, 769-780.	1.5	27
393	Dual aptamer recognition-based G-quadruplex nanowires to selectively analyze cancer-derived exosomes. <i>Talanta</i> , 2021, 235, 122748.	2.9	6
394	Surface-enhanced Raman spectroscopy for circulating biomarkers detection in clinical diagnosis. , 2022, , 225-280.		1
395	Exercise and Circulating Microparticles in Healthy Subjects. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 841-856.	1.1	5
396	Exosomal circRNAs as novel cancer biomarkers: Challenges and opportunities. <i>International Journal of Biological Sciences</i> , 2021, 17, 562-573.	2.6	36
397	Single microbead-based fluorescent aptasensor (SMFA) for direct isolation and <i>in situ</i> quantification of exosomes from plasma. <i>Analyst</i> , The, 2021, 146, 3346-3351.	1.7	4
398	Exosome isolation using nanostructures and microfluidic devices. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 022005.	1.7	26
399	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. <i>Stem Cell Research and Therapy</i> , 2021, 12, 80.	2.4	32
400	Biomolecules in cell-derived extracellular vesicle chariots as warriors to repair damaged tissues. <i>Nanoscale</i> , 2021, 13, 16017-16033.	2.8	8

#	ARTICLE	IF	CITATIONS
401	A High-Throughput Nanofluidic Device for Small Extracellular Vesicle Nanoporation. , 2021, , .		0
402	A light-up fluorescence resonance energy transfer magnetic aptamer-sensor for ultra-sensitive lung cancer exosome detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2483-2493.	2.9	45
403	Simultaneous metabolomics and proteomics analysis of plasma-derived extracellular vesicles. <i>Analytical Methods</i> , 2021, 13, 1930-1938.	1.3	18
404	Comprehensive evaluation of methods for small extracellular vesicles separation from human plasma, urine and cell culture medium. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12044.	5.5	97
405	Purification of Extracellular Microvesicles Secreted by Dermal Fibroblasts. <i>Methods in Molecular Biology</i> , 2020, 2154, 63-72.	0.4	2
406	Extracellular Vesicles: Recent Developments in Technology and Perspectives for Cancer Liquid Biopsy. <i>Recent Results in Cancer Research</i> , 2020, 215, 319-344.	1.8	20
407	Extracellular Vesicles. <i>Learning Materials in Biosciences</i> , 2020, , 219-229.	0.2	3
408	Characterization and Fine Structure of Exosomes. , 2021, , 27-75.		2
409	Macrophage-derived exosomes in cancers: Biogenesis, functions and therapeutic applications. <i>Immunology Letters</i> , 2020, 227, 102-108.	1.1	38
410	Biomaterials and extracellular vesicles in cell-free therapy for bone repair and regeneration: Future line of treatment in regenerative medicine. <i>Materialia</i> , 2020, 12, 100736.	1.3	14
411	Mesenchymal stem cell-derived secretomes for therapeutic potential of premature infant diseases. <i>Bioscience Reports</i> , 2020, 40, .	1.1	9
416	Label-free imaging of exosomes using depth scanning correlation (DSC) interferometric microscopy. , 2020, , .		2
417	Optofluidics in bio-imaging applications. <i>Photonics Research</i> , 2019, 7, 532.	3.4	20
418	Extracellular vesicles derived from mesenchymal stem cells: A platform that can be engineered. <i>Histology and Histopathology</i> , 2021, 36, 615-632.	0.5	5
419	Comparison of exosomes derived from induced pluripotent stem cells and mesenchymal stem cells as therapeutic nanoparticles for treatment of corneal epithelial defects. <i>Aging</i> , 2020, 12, 19546-19562.	1.4	28
420	Methods for the Determination of the Purity of Exosomes. <i>Current Pharmaceutical Design</i> , 2020, 25, 4464-4485.	0.9	15
421	Exosomes and Female Infertility. <i>Current Drug Metabolism</i> , 2019, 20, 773-780.	0.7	13
422	The Brief Analysis of Peptide-combined Nanoparticle: Nanomedicine's Unique Value. <i>Current Protein and Peptide Science</i> , 2020, 21, 334-343.	0.7	3

#	ARTICLE	IF	CITATIONS
423	Endothelial Extracellular Vesicles Produced by Senescent Cells: Pathophysiological Role in the Cardiovascular Disease Associated with all Types of Diabetes Mellitus. <i>Current Vascular Pharmacology</i> , 2019, 17, 447-454.	0.8	25
424	The Role of Exosomes in Diseases Related to Infertility. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 437-441.	0.6	5
425	Current application of exosomes in medicine. <i>Medical Journal of Cell Biology (discontinued)</i> , 2020, 8, 101-111.	0.2	6
426	Biomechanical Properties of Blood Plasma Extracellular Vesicles Revealed by Atomic Force Microscopy. <i>Biology</i> , 2021, 10, 4.	1.3	28
427	Quantitative proteomic characterization of microvesicles/exosomes from the cerebrospinal fluid of patients with acute bilirubin encephalopathy. <i>Molecular Medicine Reports</i> , 2020, 22, 1257-1268.	1.1	8
428	Exosomes derived from stem cells as an emerging therapeutic strategy for intervertebral disc degeneration. <i>World Journal of Stem Cells</i> , 2020, 12, 803-813.	1.3	23
429	Exosomal cargoes in OSCC: current findings and potential functions. <i>PeerJ</i> , 2020, 8, e10062.	0.9	16
430	Diagnostic and Therapeutic Potential of Extracellular Vesicles. <i>Technology in Cancer Research and Treatment</i> , 2021, 20, 153303382110412.	0.8	26
431	NK Cells in the Tumor Microenvironment as New Potential Players Mediating Chemotherapy Effects in Metastatic Melanoma. <i>Frontiers in Oncology</i> , 2021, 11, 754541.	1.3	16
433	Rolling Circle Amplification-Assisted Flow Cytometry Approach for Simultaneous Profiling of Exosomal Surface Proteins. <i>ACS Sensors</i> , 2021, 6, 3611-3620.	4.0	31
434	Strong Penetration-Induced Effective Photothermal Therapy by Exosome-Mediated Black Phosphorus Quantum Dots. <i>Small</i> , 2021, 17, e2104585.	5.2	23
435	Dielectric metasurface for high-precision detection of large unilamellar vesicles. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 114002.	1.0	11
436	Exosomes in chronic respiratory diseases. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112270.	2.5	20
437	Development of extracellular vesicle-based medicinal products: A position paper of the group "Extracellular Vesicle translation to clinical perspectives" EVOLVE France. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114001.	6.6	42
440	Exosomes in Sepsis Diagnosis and Treatment. <i>International Journal of Clinical Medicine</i> , 2019, 10, 565-575.	0.1	1
441	Role of extracellular vesicles in diagnosis and treatment of liver fibrosis. <i>World Chinese Journal of Digestology</i> , 2019, 27, 515-520.	0.0	0
443	Active cargo loading into extracellular vesicles: Highlights the heterogeneous encapsulation behaviour. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12163.	5.5	53
444	Microfluidic device for one-step detection of breast cancer-derived exosomal mRNA in blood using signal-amplifiable 3D nanostructure. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113753.	5.3	36

#	ARTICLE	IF	CITATIONS
445	A pH-Reversible Fluorescent Probe for <i>in Situ</i> Imaging of Extracellular Vesicles and Their Secretion from Living Cells. <i>Nano Letters</i> , 2021, 21, 9224-9232.	4.5	13
446	Optical fiber amplifier and thermometer assisted point-of-care biosensor for detection of cancerous exosomes. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130893.	4.0	10
448	Extracellular Vesicles and Their Relationship with the Heart-Kidney Axis, Uremia and Peritoneal Dialysis. <i>Toxins</i> , 2021, 13, 778.	1.5	9
450	Extracellular Vesicles: "Stealth Transport Aircrafts" for Drugs. , 0, , .		1
451	Cerebrospinal fluid biomarkers for brain tumor detection: clinical roles and current progress. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 1379-1396.	0.0	13
453	The potential role of exosomal circRNAs in the tumor microenvironment: insights into cancer diagnosis and therapy. <i>Theranostics</i> , 2022, 12, 87-104.	4.6	54
454	A guide to mass spectrometric analysis of extracellular vesicle proteins for biomarker discovery. <i>Mass Spectrometry Reviews</i> , 2023, 42, 844-872.	2.8	27
455	Molecular Mediators of RNA Loading into Extracellular Vesicles. <i>Cells</i> , 2021, 10, 3355.	1.8	33
456	Progress in Nanomaterials-Based Optical and Electrochemical Methods for the Assays of Exosomes. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7575-7608.	3.3	13
457	Framework for rapid comparison of extracellular vesicle isolation methods. <i>ELife</i> , 2021, 10, .	2.8	51
458	Transfusion-related immunomodulation in patients with cancer: Focus on the impact of extracellular vesicles from stored red blood cells (Review). <i>International Journal of Oncology</i> , 2021, 59, .	1.4	4
459	Molecular Profile Study of Extracellular Vesicles for the Identification of Useful Small "Hits" in Cancer Diagnosis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10787.	1.3	6
460	A Rapid and Facile Separation-Detection Integrated Strategy for Exosome Profiling Based on Boronic Acid-Directed Coupling Immunoaffinity. <i>Analytical Chemistry</i> , 2021, 93, 16059-16067.	3.2	9
461	Exosome based miRNA delivery strategy for disease treatment. <i>Chinese Chemical Letters</i> , 2022, 33, 1693-1704.	4.8	32
462	Blood Nanoparticles "Influence on Extracellular Vesicle Isolation and Characterization. <i>Frontiers in Pharmacology</i> , 2021, 12, 773844.	1.6	22
463	Extracellular vesicles: General features and usefulness in diagnosis and therapeutic management of colorectal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 1561-1598.	0.8	7
464	Biodegradable Materials and the Tissue Engineering of Nerves. <i>Engineering</i> , 2021, 7, 1700-1703.	3.2	17
465	The Past, the Present, and the Future of the Size Exclusion Chromatography in Extracellular Vesicles Separation. <i>Viruses</i> , 2021, 13, 2272.	1.5	19

#	ARTICLE	IF	CITATIONS
466	Engineered exosomes as a natural nanoplatform for cancer targeted delivery of metal-based drugs. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214325.	9.5	9
467	Multiplexed Profiling of Extracellular Vesicles for Biomarker Development. <i>Nano-Micro Letters</i> , 2022, 14, 3.	14.4	31
468	Peritoneal dialysis effluent-derived exosomal miR-432-5p: an assessment tool for peritoneal dialysis efficacy. <i>Annals of Translational Medicine</i> , 2022, 10, 242-242.	0.7	0
469	Antiadhesive nanosome elicits role of glycocalyx of tumor cell-derived exosomes in the organotropic cancer metastasis. <i>Biomaterials</i> , 2022, 280, 121314.	5.7	9
470	Improving the diagnostic efficacy of squamous cell carcinoma antigen for oral squamous cell carcinoma via saponin disruption of serum extracellular vesicles. <i>Clinica Chimica Acta</i> , 2022, 525, 40-45.	0.5	2
471	Precise Molecular Profiling of Circulating Exosomes Using a Metal-Organic Framework-Based Sensing Interface and an Enzyme-Based Electrochemical Logic Platform. <i>Analytical Chemistry</i> , 2022, 94, 875-883.	3.2	26
472	Technology insight: Plant-derived vesicles—How far from the clinical biotherapeutics and therapeutic drug carriers?. <i>Advanced Drug Delivery Reviews</i> , 2022, 182, 114108.	6.6	82
473	Bone mesenchymal stem cell-derived exosomal microRNA-7-5p inhibits progression of acute myeloid leukemia by targeting OSBPL11. <i>Journal of Nanobiotechnology</i> , 2022, 20, 29.	4.2	28
474	Exosomes in triple negative breast cancer: From bench to bedside. <i>Cancer Letters</i> , 2022, 527, 1-9.	3.2	11
475	An insight into the effect of food nanoparticles on the metabolism of intestinal cells. <i>Current Opinion in Food Science</i> , 2022, 43, 174-182.	4.1	4
476	Rapid enrichment and sensitive detection of extracellular vesicles through measuring the phospholipids and transmembrane protein in a microfluidic chip. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113970.	5.3	11
477	Current insights on extracellular vesicle-mediated glioblastoma progression: Implications in drug resistance and epithelial-mesenchymal transition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130065.	1.1	12
478	Multi-target polydiacetylene liposome-based biosensor for improved exosome detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131286.	4.0	10
479	Extracellular vesicles and their role in peripheral nerve regeneration. <i>Experimental Neurology</i> , 2022, 350, 113968.	2.0	19
480	Exploration of Exosomal miRNAs from Serum and Synovial Fluid in Arthritis Patients. <i>Diagnostics</i> , 2022, 12, 239.	1.3	7
481	Quantitative metabolic analysis of plasma extracellular vesicles for the diagnosis of severe acute pancreatitis. <i>Journal of Nanobiotechnology</i> , 2022, 20, 52.	4.2	14
482	Benchmarking a Microfluidic-Based Filtration for Isolating Biological Particles. <i>Langmuir</i> , 2022, 38, 1897-1909.	1.6	15
483	Tumor hijacks macrophages and microbiota through extracellular vesicles. <i>Exploration</i> , 2022, 2, .	5.4	30

#	ARTICLE	IF	CITATIONS
484	Adipose Stem Cell-Based Treatments for Wound Healing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 821652.	1.8	11
485	Methodologies to Isolate and Purify Clinical Grade Extracellular Vesicles for Medical Applications. <i>Cells</i> , 2022, 11, 186.	1.8	44
486	Emerging Advances of Detection Strategies for Tumor-Derived Exosomes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 868.	1.8	16
487	Recent Advances in Device Engineering and Computational Analysis for Characterization of Cell-Released Cancer Biomarkers. <i>Cancers</i> , 2022, 14, 288.	1.7	11
488	Confirmation of plant-derived exosomes as bioactive substances for skin application through comparative analysis of keratinocyte transcriptome. <i>Applied Biological Chemistry</i> , 2022, 65, .	0.7	18
489	Serum exosomal hsa_circ_0069313 has a potential to diagnose more aggressive non-small cell lung cancer. <i>Clinical Biochemistry</i> , 2022, 102, 56-64.	0.8	14
490	Review on Strategies and Technologies for Exosome Isolation and Purification. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 811971.	2.0	180
491	Dynamic Intercell Communication between Glioblastoma and Microenvironment through Extracellular Vesicles. <i>Biomedicines</i> , 2022, 10, 151.	1.4	4
492	Tumor-derived extracellular vesicles inhibit HGF/c-Met and EGF/EGFR pathways to accelerate the radiosensitivity of nasopharyngeal carcinoma cells via microRNA-142-5p delivery. <i>Cell Death Discovery</i> , 2022, 8, 17.	2.0	7
493	Recent advances in exosome analysis assisted by functional nucleic acid-based signal amplification technologies. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116549.	5.8	10
494	Coincident Fluorescence Burst Analysis of the Loading Yields of Exosome-Mimetic Nanovesicles with Fluorescently Labeled Cargo Molecules. <i>Small</i> , 2022, , 2106241.	5.2	4
495	Tumor-derived extracellular vesicles as messengers of natural products in cancer treatment. <i>Theranostics</i> , 2022, 12, 1683-1714.	4.6	26
496	Extracellular Vesicles Derived From Stem Cells in Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 793363.	1.8	3
497	Nucleic Acid Substrate-Independent DNA Polymerization on the Exosome Membrane: A Mechanism Study and Application in Exosome Analysis. <i>Analytical Chemistry</i> , 2022, 94, 2172-2179.	3.2	8
498	Schwann Cell-Derived Exosomes Induce the Differentiation of Human Adipose-Derived Stem Cells Into Schwann Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 835135.	1.6	7
499	Nanomaterials-Based Urinary Extracellular Vesicles Isolation and Detection for Non-invasive Auxiliary Diagnosis of Prostate Cancer. <i>Frontiers in Medicine</i> , 2021, 8, 800889.	1.2	9
500	Glutathione-functionalized magnetic thioether-COFs for the simultaneous capture of urinary exosomes and enrichment of exosomal glycosylated and phosphorylated peptides. <i>Nanoscale</i> , 2022, 14, 853-864.	2.8	29
501	Breaking the classics: Next-generation biosensors for the isolation, profiling and detection of extracellular vesicles. <i>Biosensors and Bioelectronics: X</i> , 2022, 10, 100115.	0.9	5

#	ARTICLE	IF	CITATIONS
502	Translating cancer exosomes detection into the color change of phenol red based on target-responsive DNA microcapsules. <i>Analytica Chimica Acta</i> , 2022, 1192, 339357.	2.6	9
503	A method for purifying nanoparticles using cationic modified monoliths and aqueous elution. <i>Journal of Chromatography A</i> , 2022, 1664, 462802.	1.8	2
504	Advances in nucleic acids-scaffolded electrical sensing of extracellular vesicle biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 148, 116532.	5.8	19
505	Current and prospective applications of exosomal microRNAs in pulmonary fibrosis (Review). <i>International Journal of Molecular Medicine</i> , 2022, 49, .	1.8	2
506	Supramolecular Peptide Nanofiber Hydrogels for Bone Tissue Engineering: From Multihierarchical Fabrications to Comprehensive Applications. <i>Advanced Science</i> , 2022, 9, e2103820.	5.6	35
507	Functional Analysis and Proteomics Profiling of Extracellular Vesicles From Swine Plasma Infected by African Swine Fever Virus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 809135.	1.8	0
508	SKP-SC-EVs Mitigate Denervated Muscle Atrophy by Inhibiting Oxidative Stress and Inflammation and Improving Microcirculation. <i>Antioxidants</i> , 2022, 11, 66.	2.2	18
509	Gut Microbiota Extracellular Vesicles as Signaling Molecules Mediating Host-Microbiota Communications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13166.	1.8	14
510	Dumbbell structure probe-triggered rolling circle amplification (RCA)-based detection scaffold for sensitive and specific neonatal infection-related small extracellular vesicle (sEV) detection. <i>Analytical Methods</i> , 2022, 14, 1534-1539.	1.3	2
511	Recent advances in liquid biopsy technologies for cancer biomarker detection. <i>Sensors & Diagnostics</i> , 2022, 1, 343-375.	1.9	15
512	Ultrasensitive detection of tumor-derived small extracellular vesicles based on nonlinear hybridization chain reaction fluorescence signal amplification and immunomagnetic separation. <i>Analyst</i> , The, 2022, 147, 1859-1865.	1.7	7
513	AdMSC-derived exosomes alleviate acute lung injury via transferring mitochondrial component to improve homeostasis of alveolar macrophages. <i>Theranostics</i> , 2022, 12, 2928-2947.	4.6	71
514	Analysis of Single Extracellular Vesicles for Biomedical Applications with Especial Emphasis on Cancer Investigations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
515	CircRAPGEF5 Promotes the Proliferation and Metastasis of Lung Adenocarcinoma through the miR-1236-3p/ZEB1 Axis and Serves as a Potential Biomarker. <i>International Journal of Biological Sciences</i> , 2022, 18, 2116-2131.	2.6	12
516	Urinary Exosomal MicroRNAs as New Noninvasive Biomarkers of IgA Nephropathy. <i>Tohoku Journal of Experimental Medicine</i> , 2022, 256, 215-223.	0.5	4
517	The Role of Extracellular Vesicles in Osteoarthritis Treatment Via Microenvironment Regulation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
518	Exosomal MicroRNAs Array Sensor with a Bioconjugate Composed of p53 Protein and Hydrazine for the Specific Lung Cancer Detection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
519	Detection of serum EphA2-EVs for pancreatic cancer diagnosis by light initiated chemiluminescent assay. <i>Analytical Methods</i> , 2022, 14, 1335-1341.	1.3	1

#	ARTICLE	IF	CITATIONS
520	Nanomaterial-based biosensor developing as a route toward in vitro diagnosis of early ovarian cancer. <i>Materials Today Bio</i> , 2022, 13, 100218.	2.6	23
521	Extracellular vesicles from hypoxia-preconditioned mesenchymal stem cells alleviates myocardial injury by targeting thioredoxin-interacting protein-mediated hypoxia-inducible factor-1 α pathway. <i>World Journal of Stem Cells</i> , 2022, 14, 183-199.	1.3	11
522	Approaches to incorporate extracellular vesicles into exposure science, toxicology, and public health research. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 647-659.	1.8	7
523	Recent Advances in the Selection of Cancer-Specific Aptamers for the Development of Biosensors. <i>Current Medicinal Chemistry</i> , 2022, 29, 5850-5880.	1.2	9
524	Biogenesis, Trafficking, and Function of Small RNAs in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, 825477.	1.7	8
525	Long Non-Coding RNA in Esophageal Cancer: A Review of Research Progress. <i>Pathology and Oncology Research</i> , 2022, 28, 1610140.	0.9	12
526	Exosomes as a new frontier of cancer liquid biopsy. <i>Molecular Cancer</i> , 2022, 21, 56.	7.9	249
527	Dual selective sensor for exosomes in serum using magnetic imprinted polymer isolation sandwiched with aptamer/graphene oxide based FRET fluorescent ignition. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114112.	5.3	32
529	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Immunomodulatory Effects and Potential Applications in Intervertebral Disc Degeneration. <i>Stem Cells International</i> , 2022, 2022, 1-13.	1.2	11
530	Recent Progress of Exosome Isolation and Peptide Recognition-Guided Strategies for Exosome Research. <i>Frontiers in Chemistry</i> , 2022, 10, 844124.	1.8	23
531	Emerging Therapeutic Potential of Mesenchymal Stem Cell-Derived Extracellular Vesicles in Chronic Respiratory Diseases: An Overview of Recent Progress. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 845042.	2.0	13
532	Exosome Processing and Characterization Approaches for Research and Technology Development. <i>Advanced Science</i> , 2022, 9, e2103222.	5.6	89
533	The Role of Tumor Stem Cell Exosomes in Cancer Invasion and Metastasis. <i>Frontiers in Oncology</i> , 2022, 12, 836548.	1.3	17
535	Bioinspired soft nanovesicles for site-selective cancer imaging and targeted therapies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1792.	3.3	1
536	Blood Circulating CD133+ Extracellular Vesicles Predict Clinical Outcomes in Patients with Metastatic Colorectal Cancer. <i>Cancers</i> , 2022, 14, 1357.	1.7	13
538	Extracellular Vesicles and Acute Kidney Injury: Potential Therapeutic Avenue for Renal Repair and Regeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3792.	1.8	8
539	GelMA/PEGDA microneedles patch loaded with HUVECs-derived exosomes and Tazarotene promote diabetic wound healing. <i>Journal of Nanobiotechnology</i> , 2022, 20, 147.	4.2	82
540	Extracellular Vesicles in Type 1 Diabetes: A Versatile Tool. <i>Bioengineering</i> , 2022, 9, 105.	1.6	12

#	ARTICLE	IF	CITATIONS
541	The Role of Extracellular Vesicles in Osteoporosis: A Scoping Review. <i>Membranes</i> , 2022, 12, 324.	1.4	7
542	Analysis of single extracellular vesicles for biomedical applications with especial emphasis on cancer investigations. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116604.	5.8	8
543	Human Epidural ADâ€“MSC Exosomes Improve Function Recovery after Spinal Cord Injury in Rats. <i>Biomedicines</i> , 2022, 10, 678.	1.4	17
544	Degenerative Nucleus Pulposus Cells Derived Exosomes Promoted Cartilage Endplate Cells Apoptosis and Aggravated Intervertebral Disc Degeneration. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 835976.	1.6	8
545	Extracellular Vesicles, New Players in Sepsis and Acute Respiratory Distress Syndrome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 853840.	1.8	5
546	Plasma Extracellular Vesicle Long RNAs Have Potential as Biomarkers in Early Detection of Colorectal Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 829230.	1.3	0
547	A human cornea-on-a-chip for the study of epithelial wound healing by extracellular vesicles. <i>IScience</i> , 2022, 25, 104200.	1.9	19
548	Triple-color fluorescence co-localization of PD-L1-overexpressing cancer exosomes. <i>Mikrochimica Acta</i> , 2022, 189, 182.	2.5	5
549	Hypoxia Induced Changes of Exosome Cargo and Subsequent Biological Effects. <i>Frontiers in Immunology</i> , 2022, 13, 824188.	2.2	39
550	Overview of extracellular vesicle characterization techniques and introduction to combined reflectance and fluorescence confocal microscopy to distinguish extracellular vesicle subpopulations. <i>Neurophotonics</i> , 2022, 9, 021903.	1.7	19
551	Bioactive glass nanoparticles inhibit osteoclast differentiation and osteoporotic bone loss by activating lncRNA NRON expression in the extracellular vesicles derived from bone marrow mesenchymal stem cells. <i>Biomaterials</i> , 2022, 283, 121438.	5.7	30
552	Identification of metastasis-associated exoDEPs in colorectal cancer using label-free proteomics. <i>Translational Oncology</i> , 2022, 19, 101389.	1.7	2
553	Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1. <i>Biosensors and Bioelectronics</i> , 2022, 204, 113879.	5.3	28
554	Design and development of novel fluorescence sensing material for exosome recognition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112421.	2.5	4
555	An electrochemical biosensor for PD-L1 positive exosomes based on ultra-thin two-dimensional covalent organic framework nanosheets coupled with CRISPR-Cas12a mediated signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131813.	4.0	30
556	Exosomal microRNAs array sensor with a bioconjugate composed of p53 protein and hydrazine for the specific lung cancer detection. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114149.	5.3	16
557	Immune Cell-Derived Extracellular Vesicles â€“ New Strategies in Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 771551.	2.2	44
558	Novel insights into exosomal circular RNAs: Redefining intercellular communication in cancer biology. <i>Clinical and Translational Medicine</i> , 2021, 11, e636.	1.7	12

#	ARTICLE	IF	CITATIONS
559	RNA Drug Delivery Using Biogenic Nanovehicles for Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 734443.	1.6	6
560	Regulating the production and biological function of small extracellular vesicles: current strategies, applications and prospects. <i>Journal of Nanobiotechnology</i> , 2021, 19, 422.	4.2	13
561	Surface Plasmon Coupling Electrochemiluminescence Immunosensor Based on Polymer Dots and AuNPs for Ultrasensitive Detection of Pancreatic Cancer Exosomes. <i>Analytical Chemistry</i> , 2022, 94, 837-846.	3.2	53
562	Surface Nanosieving Polyether Sulfone Particles with Graphene Oxide Encapsulation for the Negative Isolation toward Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 16835-16844.	3.2	5
563	The Extracellular Matrix Enriched With Exosomes for the Treatment on Pulmonary Fibrosis in Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 747223.	1.6	10
564	LncRNA Expression Profiles in Systemic Lupus Erythematosus and Rheumatoid Arthritis: Emerging Biomarkers and Therapeutic Targets. <i>Frontiers in Immunology</i> , 2021, 12, 792884.	2.2	19
565	Mesenchymal stem cell-derived exosomes inhibit the VEGF-A expression in human retinal vascular endothelial cells induced by high glucose. <i>International Journal of Ophthalmology</i> , 2021, 14, 1820-1827.	0.5	2
566	Pathogenic Extracellular Vesicle (EV) Signaling in Amyotrophic Lateral Sclerosis (ALS). <i>Neurotherapeutics</i> , 2022, 19, 1119-1132.	2.1	12
567	Development of a Lyophilized Off-the-Shelf Mesenchymal Stem Cell-Derived Acellular Therapeutic. <i>Pharmaceutics</i> , 2022, 14, 849.	2.0	8
568	Circulating cell-specific extracellular vesicles as biomarkers for the diagnosis and monitoring of chronic liver diseases. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 232.	2.4	15
569	Microfluidic Separation, Detection, and Engineering of Extracellular Vesicles for Cancer Diagnostics and Drug Delivery. <i>Accounts of Materials Research</i> , 2022, 3, 498-510.	5.9	27
570	Untouched isolation enables targeted functional analysis of tumourâ€cellâ€derived extracellular vesicles from tumour tissues. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12214.	5.5	10
571	Irradiated Cell-Derived Exosomes Transmit Essential Molecules Inducing Radiation Therapy Resistance. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 192-202.	0.4	5
572	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. <i>Coordination Chemistry Reviews</i> , 2022, 463, 214538.	9.5	14
577	Role of exosomes and its emerging therapeutic applications in the pathophysiology of non-infectious diseases. <i>Biomarkers</i> , 2022, 27, 534-548.	0.9	12
578	Single-EV analysis (sEVA) of mutated proteins allows detection of stage 1 pancreatic cancer. <i>Science Advances</i> , 2022, 8, eabm3453.	4.7	39
580	Human Serum-derived Extracellular Vesicles Protect A549 from PM -induced Cell Apoptosis. <i>Biomedical and Environmental Sciences</i> , 2021, 34, 40-49.	0.2	2
581	A General Strategy for Detection of Tumor-Derived Exosomal Micrnas Using Aptamer-Mediated Vesicle Fusion. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
582	Recent advances for cancer detection and treatment by microfluidic technology, review and update. <i>Biological Procedures Online</i> , 2022, 24, 5.	1.4	24
583	Hypoxic Cell-Derived Extracellular Vesicles Aggravate Rectal Injury Following Radiotherapy via MiR-122-5p. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 892575.	1.8	0
584	Size Distribution of Microparticles: A New Parameter to Predict Acute Lung Injury After Cardiac Surgery With Cardiopulmonary Bypass. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 893609.	1.1	1
585	Characterization of Extra-Cellular Vesicle Dielectrophoresis and Estimation of Its Electric Properties. <i>Sensors</i> , 2022, 22, 3279.	2.1	6
586	The Mechanisms Underlying the Beneficial Effects of Stem Cell-Derived Exosomes in Repairing Ischemic Tissue Injury. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 524-534.	1.1	4
587	Industrial By-Products As a Novel Circular Source of Biocompatible Extracellular Vesicles. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
589	Extracellular vesicle-mediated crosstalk between pancreatic cancer and stromal cells in the tumor microenvironment. <i>Journal of Nanobiotechnology</i> , 2022, 20, 208.	4.2	21
590	Aptamers as Recognition Elements for Electrochemical Detection of Exosomes. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 879-885.	1.3	9
591	Effect of Extracellular Vesicles From Multiple Cells on Vascular Smooth Muscle Cells in Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	6
592	Single Small Extracellular Vesicle (sEV) Quantification by Upconversion Nanoparticles. <i>Nano Letters</i> , 2022, 22, 3761-3769.	4.5	22
593	An Emerging Frontier in Intercellular Communication: Extracellular Vesicles in Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	12
594	Functionalized nanomaterials in separation and analysis of extracellular vesicles and their contents. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 153, 116652.	5.8	8
595	Sensitive detection of exosomes by gold nanoparticles labeling inductively coupled plasma mass spectrometry based on cholesterol recognition and rolling circle amplification. <i>Analytica Chimica Acta</i> , 2022, 1212, 339938.	2.6	9
596	Phenotypic profiling of pancreatic ductal adenocarcinoma plasma-derived small extracellular vesicles for cancer diagnosis and cancer stage prediction: a proof-of-concept study. <i>Analytical Methods</i> , 2022, 14, 2255-2265.	1.3	6
597	Extracellular vesicles expressing <sc>CEACAM</sc> proteins in the urine of bladder cancer patients. <i>Cancer Science</i> , 2022, 113, 3120-3133.	1.7	11
598	Single extracellular vesicle analysis for early cancer detection. <i>Trends in Molecular Medicine</i> , 2022, 28, 681-692.	3.5	29
599	Extracellular vesicles from lung tissue drive bone marrow neutrophil recruitment in inflammation. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	18
600	Epididymal white adipose tissue promotes angiotensin II-induced cardiac fibrosis in an exosome-dependent manner. <i>Translational Research</i> , 2022, 248, 51-67.	2.2	10

#	ARTICLE	IF	CITATIONS
601	Proximity labeling methods for proteomic analysis of membrane proteins. <i>Journal of Proteomics</i> , 2022, 264, 104620.	1.2	8
602	Advancing microfluidic diagnostic chips into clinical use: a review of current challenges and opportunities. <i>Lab on A Chip</i> , 2022, 22, 3110-3121.	3.1	14
603	Sers Spectroscopy with Machine Learning to Analyze Human Plasma Derived Sevs for Coronary Artery Disease Diagnosis and Prognosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
604	Hydrogels for Exosome Delivery in Biomedical Applications. <i>Gels</i> , 2022, 8, 328.	2.1	28
605	Non-Coding RNAs Delivery by Small Extracellular Vesicles and Their Applications in Ovarian Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	2
606	Extracellular Vesicles and Hepatocellular Carcinoma: Opportunities and Challenges. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	8
607	Physisorption of Affinity Ligands Facilitates Extracellular Vesicle Detection with Low Non-Specific Binding to Plasmonic Gold Substrates. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26548-26556.	4.0	6
608	Effects of Exercise on Extracellular Vesicles in Patients with Metabolic Dysfunction: a Systematic Review. <i>Journal of Cardiovascular Translational Research</i> , 2023, 16, 97-111.	1.1	2
609	Particle-motion-tracking Algorithm for the Evaluation of the Multi-physical Properties of Single Nanoparticles. <i>Journal of Sensor Science and Technology</i> , 2022, 31, 175-179.	0.1	0
610	One-Step Thermophoretic AND Gate Operation on Extracellular Vesicles Improves Diagnosis of Prostate Cancer. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
611	One-Step Thermophoretic AND Gate Operation on Extracellular Vesicles Improves Diagnosis of Prostate Cancer. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
612	Microfluidic-based exosome isolation and highly sensitive aptamer exosome membrane protein detection for lung cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114487.	5.3	39
613	Fast and specific enrichment and quantification of cancer-related exosomes by DNA-nanoweight-assisted centrifugation. <i>Analytical Chemistry</i> , 2022, 94, 9466-9471.	3.2	9
614	Affinity-based isolation of extracellular vesicles and the effects on downstream molecular analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7051-7067.	1.9	13
615	Highly Efficient Isolation and Sensitive Detection of Small Extracellular Vesicles Using a Paper-Based Device. <i>Analytical Chemistry</i> , 2022, 94, 10991-10999.	3.2	5
616	Tri-Channel Electrochemical Immunobiosensor for Combined Detections of Multiple Exosome Biomarkers of Lung Cancer. <i>Biosensors</i> , 2022, 12, 435.	2.3	4
617	The Therapeutic Role of ADSC-EVs in Skin Regeneration. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	9
618	Methods for the Detection of Circulating Biomarkers in Cancer Patients. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 525-552.	0.8	3

#	ARTICLE	IF	CITATIONS
619	An imaging flow cytometry-based methodology for the analysis of single extracellular vesicles in unprocessed human plasma. <i>Communications Biology</i> , 2022, 5, .	2.0	13
620	Exosomal microRNAs (exoMIRs): micromolecules with macro impact in oral cancer. <i>3 Biotech</i> , 2022, 12, .	1.1	22
621	Mesenchymal stem cell-derived extracellular vesicles for immunomodulation and regeneration: a next generation therapeutic tool?. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	114
622	Extracellular vesicles in metabolic dysfunction associated fatty liver disease: mechanisms, diagnostic and therapeutic implications. , 0, , 4-20.		1
623	ADSC-exo@MMP-PEG smart hydrogel promotes diabetic wound healing by optimizing cellular functions and relieving oxidative stress. <i>Materials Today Bio</i> , 2022, 16, 100365.	2.6	28
624	Bioinformatics strategies for studying the molecular mechanisms of fungal extracellular vesicles with a focus on infection and immune responses. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	1
625	Vegetative Insecticidal Protein Vip3Aa Is Transported via Membrane Vesicles in <i>Bacillus thuringiensis</i> BMB171. <i>Toxins</i> , 2022, 14, 480.	1.5	2
626	Multiple signal amplification electrochemiluminescence biosensor for ultra-sensitive detection of exosomes. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132332.	4.0	15
627	Recent progresses on radiotherapeutics-based treatment of cancer with two-dimensional nanomaterials. <i>Applied Materials Today</i> , 2022, 29, 101584.	2.3	1
628	Proteomic Profile of Procoagulant Extracellular Vesicles Reflects Complement System Activation and Platelet Hyperreactivity of Patients with Severe COVID-19. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	9
629	Exosome-cargoed microRNAs: Potential therapeutic molecules for diabetic wound healing. <i>Drug Discovery Today</i> , 2022, 27, 103323.	3.2	22
630	Pentraxin 3 in Circulating Microvesicles: a Potential Biomarker for Acute Heart Failure After Cardiac Surgery with Cardiopulmonary Bypass. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 1414-1423.	1.1	3
631	Future of Digital Assays to Resolve Clinical Heterogeneity of Single Extracellular Vesicles. <i>ACS Nano</i> , 2022, 16, 11619-11645.	7.3	40
632	Human umbilical cord mesenchymal stem cells derived extracellular vesicles regulate acquired immune response of lupus mouse in vitro. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
633	The role of adipose-derived stem cells-derived extracellular vesicles in the treatment of diabetic foot ulcer: Trends and prospects. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	10
634	Self-adaptive virtual microchannel for continuous enrichment and separation of nanoparticles. <i>Science Advances</i> , 2022, 8, .	4.7	29
635	A Novel Perspective on Ischemic Stroke: A Review of Exosome and Noncoding RNA Studies. <i>Brain Sciences</i> , 2022, 12, 1000.	1.1	2
636	Mesenchymal stem cells and their derived small extracellular vesicles for COVID-19 treatment. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	4

#	ARTICLE	IF	CITATIONS
637	Detailed Characterization of Small Extracellular Vesicles from Different Cell Types Based on Tetraspanin Composition by ExoView R100 Platform. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8544.	1.8	20
638	Why India needs more exosome research for cancer?. <i>Annals of Medicine and Surgery</i> , 2022, 80, .	0.5	1
639	A rapid method for isolation of bacterial extracellular vesicles from culture media using epsilon-poly-L-lysine that enables immunological function research. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
640	The regulatory role of exosomes in venous thromboembolism. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	3
641	Diagnostic and Therapeutic Roles of Extracellular Vesicles in Aging-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	8
642	Recent developments in biosensing methods for extracellular vesicle protein characterization. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, .	3.3	9
643	Nanotechnology-Inspired Extracellular Vesicles Theranostics for Diagnosis and Therapy of Central Nervous System Diseases. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 182-199.	4.0	4
644	Rapid isolation and quantification of extracellular vesicles from suspension-adapted human embryonic kidney cells using capillary-channeled polymer fiber spin-down tips. <i>Electrophoresis</i> , 2023, 44, 190-202.	1.3	5
645	A systematic review and Meta-analysis of urinary extracellular vesicles proteome in diabetic nephropathy. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	6
646	Advances in the use of exosomes for the treatment of ALI/ARDS. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	15
647	Small non-coding RNA landscape of extracellular vesicles from a post-traumatic model of equine osteoarthritis. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	11
648	Madelung Formalism for Electron Spill-Out in Nonlocal Nanoplasmonics. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	1
649	Overcoming the blood-brain barrier: Exosomes as theranostic nanocarriers for precision neuroimaging. <i>Journal of Controlled Release</i> , 2022, 349, 902-916.	4.8	18
650	Multi-omics analysis revealed the role of extracellular vesicles in hepatobiliary & pancreatic tumor. <i>Journal of Controlled Release</i> , 2022, 350, 11-25.	4.8	3
651	A general strategy for detection of tumor-derived extracellular vesicle microRNAs using aptamer-mediated vesicle fusion. <i>Nano Today</i> , 2022, 46, 101599.	6.2	18
652	Exosome-driven liquid biopsy for breast cancer: Recent advances in isolation, biomarker identification and detection. , 2022, 1, 100006.		9
653	Urinary Exosomes: A Promising Biomarker for Disease Diagnosis. <i>Laboratory Medicine</i> , 2023, 54, 115-125.	0.8	5
654	Extracellular Vesicles Derived from Mesenchymal Stem Cells: A Potential Biodrug for Acute Respiratory Distress Syndrome Treatment. <i>BioDrugs</i> , 2022, 36, 701-715.	2.2	9

#	ARTICLE	IF	CITATIONS
655	Exosomal noncoding RNAs in colorectal cancer: An overview of functions, challenges, opportunities, and clinical applications. <i>Pathology Research and Practice</i> , 2022, 238, 154133.	1.0	1
656	Role of extracellular vesicles in osteosarcoma. <i>International Journal of Medical Sciences</i> , 2022, 19, 1216-1226.	1.1	11
657	Bacterial extracellular vesicles-based therapeutic strategies for bone and soft tissue tumors therapy. <i>Theranostics</i> , 2022, 12, 6576-6594.	4.6	31
658	Emerging SERS biosensors for the analysis of cells and extracellular vesicles. <i>Nanoscale</i> , 2022, 14, 15242-15268.	2.8	27
659	Highly Sensitive Detection of Extracellular Vesicles on ZnO Nanorods Integrated Microarray Chips with Cascade Signal Amplification &And Portable Glucometer Readout. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
660	Global research trends in extracellular vesicles based on stem cells from 1991 to 2021: A bibliometric and visualized study. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	3
661	Current perspectives on clinical use of exosomes as novel biomarkers for cancer diagnosis. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	9
662	Cellular nanovesicles for therapeutic immunomodulation: A perspective on engineering strategies and new advances. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 1789-1827.	5.7	14
663	Deep Learning-Enabled Raman Spectroscopic Identification of Pathogen-Derived Extracellular Vesicles and the Biogenesis Process. <i>Analytical Chemistry</i> , 2022, 94, 12416-12426.	3.2	17
664	Adipose-derived mesenchymal stem cell-secreted extracellular vesicles alleviate non-alcoholic fatty liver disease <i>via</i> delivering miR-223-3p. <i>Adipocyte</i> , 2022, 11, 572-587.	1.3	15
665	Functions and clinical applications of exosomes in pancreatic cancer. <i>Molecular Biology Reports</i> , 0, , .	1.0	5
666	Artificial Intelligent Label-Free SERS Profiling of Serum Exosomes for Breast Cancer Diagnosis and Postoperative Assessment. <i>Nano Letters</i> , 2022, 22, 7910-7918.	4.5	36
667	Determination of the Loading Capacity and Recovery of Extracellular Vesicles Derived from Human Embryonic Kidney Cells and Urine Matrices on Capillary-Channeled Polymer (C-CP) Fiber Columns. <i>Separations</i> , 2022, 9, 251.	1.1	1
668	Could BMPs Therapy Be Improved if BMPs Were Used in Composition Acting during Bone Formation in Endochondral Ossification?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10327.	1.8	2
669	Composition, Biogenesis, and Role of Exosomes in Tumor Development. <i>Stem Cells International</i> , 2022, 2022, 1-12.	1.2	4
670	Characterization and function of extracellular vesicles in a canine mammary tumour cell line: ultracentrifugation versus size exclusion chromatography. <i>Veterinary and Comparative Oncology</i> , 0, , .	0.8	1
671	The role and application of small extracellular vesicles in breast cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
672	Addressing MISEV guidance using targeted LC–MS/MS: A method for the detection and quantification of extracellular vesicle–enriched and contaminant protein markers from blood. , 2022, 1, .		5

#	ARTICLE	IF	CITATIONS
673	Microfluidic Technology for the Isolation and Analysis of Exosomes. <i>Micromachines</i> , 2022, 13, 1571.	1.4	14
674	Noncoding RNome as Enabling Biomarkers for Precision Health. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10390.	1.8	5
675	NDFIP1 limits cellular TAZ accumulation via exosomal sorting to inhibit NSCLC proliferation. <i>Protein and Cell</i> , 0, , .	4.8	0
676	Nanoengineering facilitating the target mission: targeted extracellular vesicles delivery systems design. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	19
677	The complex metabolic interactions of liver tissue and hepatic exosome in PCOS mice at young and middle age. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	5
678	Tracking of Extracellular Vesiclesâ€™ Biodistribution: New Methods and Approaches. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11312.	1.8	21
679	Poreâ€forming protein <scp>Î²3â€CAT</scp> promptly responses to fasting with capacity to deliver macromolecular nutrients. <i>FASEB Journal</i> , 2022, 36, .	0.2	3
680	Electrochemical Resistive-Pulse Sensing of Extracellular Vesicles. <i>Analytical Chemistry</i> , 2022, 94, 12614-12620.	3.2	20
681	Advances in Exosomes as Diagnostic and Therapeutic Biomarkers for Gynaecological Malignancies. <i>Cancers</i> , 2022, 14, 4743.	1.7	2
682	Enterovirus 71 non-structural protein 3A hijacks vacuolar protein sorting 25 to boost exosome biogenesis to facilitate viral replication. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	8
683	SERS spectroscopy with machine learning to analyze human plasma derived sEVs for coronary artery disease diagnosis and prognosis. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	3.9	7
684	The critical components for effective adaptive radiotherapy in patients with unresectable non-small-cell lung cancer: who, when and how. <i>Future Oncology</i> , 2022, 18, 3551-3562.	1.1	1
685	Drug Value of <i>Drynariae Rhizoma</i> Root-Derived Extracellular Vesicles for Neurodegenerative Diseases Based on Proteomics and Bioinformatics. <i>Plant Signaling and Behavior</i> , 2022, 17, .	1.2	3
686	The role of extracellular vesicles in osteoarthritis treatment via microenvironment regulation. <i>Biomaterials Research</i> , 2022, 26, .	3.2	11
687	Advanced research on extracellular vesicles based oral drug delivery systems. <i>Journal of Controlled Release</i> , 2022, 351, 560-572.	4.8	11
688	The unperturbed picture: Label-free real-time optical monitoring of cells and extracellular vesicles for therapy. <i>Current Opinion in Biomedical Engineering</i> , 2022, 24, 100414.	1.8	0
689	Recent microfluidic advances in submicron to nanoparticle manipulation and separation. <i>Lab on A Chip</i> , 0, , .	3.1	18
690	Integrins are enriched on aberrantly fucosylated tumourâ€derived urinary extracellular vesicles. , 2022, 1, .		3

#	ARTICLE	IF	CITATIONS
691	Exosomes as CNS Drug Delivery Tools and Their Applications. <i>Pharmaceutics</i> , 2022, 14, 2252.	2.0	21
692	Bone marrow mesenchymal stem cell-derived exosomal miR-21a-5p alleviates renal fibrosis by attenuating glycolysis by targeting PFKM. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	13
693	TCDD induces cleft palate through exosomes derived from mesenchymal cells. <i>Toxicology Research</i> , 2022, 11, 901-910.	0.9	1
694	A hydrogel-based mechanical metamaterial for the interferometric profiling of extracellular vesicles in patient samples. <i>Nature Biomedical Engineering</i> , 2023, 7, 135-148.	11.6	11
695	Fluid nanoporous microinterface enables multiscale-enhanced affinity interaction for tumor-derived extracellular vesicle detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
696	Biomimetic 3D Recognition with 2D Flexible Nanoarchitectures for Ultrasensitive and Visual Extracellular Vesicle Detection. <i>Analytical Chemistry</i> , 2022, 94, 14794-14800.	3.2	5
697	Engineered stem cell exosomes for oral and maxillofacial wound healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	4
699	Characterization and Involvement of Exosomes Originating from Chikungunya Virus-Infected Epithelial Cells in the Transmission of Infectious Viral Elements. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12117.	1.8	7
700	Extracellular Vesicles in Cancer Drug Resistance: Roles, Mechanisms, and Implications. <i>Advanced Science</i> , 2022, 9, .	5.6	28
701	Extracellular vesicle approach to major psychiatric disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2023, 273, 1279-1293.	1.8	6
702	The synthesis of extracellular vesicles by the protistan parasite <i>Blastocystis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	0
703	CircRNAs in Tumor Radioresistance. <i>Biomolecules</i> , 2022, 12, 1586.	1.8	0
704	Platelet-Derived Exosomes in Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12546.	1.8	16
705	MicroRNAs in Kawasaki disease: An update on diagnosis, therapy and monitoring. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
706	Exosomes in Mastitisâ€”Research Status, Opportunities, and Challenges. <i>Animals</i> , 2022, 12, 2881.	1.0	0
707	Cancer-derived small extracellular vesicles: emerging biomarkers and therapies for pancreatic ductal adenocarcinoma diagnosis/prognosis and treatment. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	10
708	Dynamic inflammatory changes of the neurovascular units after ischemic stroke. <i>Brain Research Bulletin</i> , 2022, 190, 140-151.	1.4	5
709	Highly sensitive detection of extracellular vesicles on ZnO nanorods integrated microarray chips with cascade signal amplification and portable glucometer readout. <i>Sensors and Actuators B: Chemical</i> , 2023, 375, 132878.	4.0	6

#	ARTICLE	IF	CITATIONS
710	An integrated magneto-fluorescent nanosensor for rapid and sensitive detection of tumor-derived exosomes. <i>Sensors and Actuators B: Chemical</i> , 2023, 374, 132792.	4.0	11
711	Translational proteomics and phosphoproteomics: Tissue to extracellular vesicles. <i>Advances in Clinical Chemistry</i> , 2023, , 119-153.	1.8	1
712	The second near-infrared window quantum dot-based fluorescence anisotropy probes for separation-free, sensitive and rapid detection of small extracellular vesicle PD-L1 in plasma samples. <i>Sensors and Actuators B: Chemical</i> , 2023, 376, 132962.	4.0	3
713	Emerging Raman spectroscopy and saliva-based diagnostics: from challenges to applications. <i>Applied Spectroscopy Reviews</i> , 0, , 1-38.	3.4	8
714	Effects and Mechanisms of Exosomes from Different Sources in Cerebral Ischemia. <i>Cells</i> , 2022, 11, 3623.	1.8	3
715	Engineered small extracellular vesicles as a versatile platform to efficiently load ferulic acid via an ðœesterase-responsive active loadingðœ strategy. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	1
716	Recombinant protein diannexin prevents preeclampsia-like symptoms in a pregnant mouse model via reducing the release of microparticles. <i>Frontiers of Medicine</i> , 0, , .	1.5	0
717	Microfluidic strategies for the isolation and profiling of exosomes. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116834.	5.8	13
718	How Do Extracellular Vesicles Play a Key Role in the Maintenance of Bone Homeostasis and Regeneration? A Comprehensive Review of Literature. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 5375-5389.	3.3	7
719	Advances in Extracellular Vesicle Nanotechnology for Precision Theranostics. <i>Advanced Science</i> , 2023, 10, .	5.6	23
720	Peptide-anchored biomimetic interface for electrochemical detection of cardiomyocyte-derived extracellular vesicles. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 1305-1311.	1.9	2
721	Characterizing single extracellular vesicles by droplet barcode sequencing for protein analysis. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	11
722	Uterine decidual stromal cell-derived exosomes mediate the indirect effects of 1-nitropyrene on trophoblast biological behaviors. <i>Ecotoxicology and Environmental Safety</i> , 2022, 248, 114288.	2.9	1
723	Exosome-based cancer vaccine: A cutting-edge approach ðœ Correspondence. <i>International Journal of Surgery</i> , 2022, 108, 106993.	1.1	18
724	Salivary exosomes: A theranostics secret of oral cancer ðœ Correspondence. <i>International Journal of Surgery</i> , 2022, 108, 106990.	1.1	14
725	Nanostructures and Nanotechnologies for the Detection of Extracellular Vesicle. <i>Advanced Biology</i> , 0, , 2200201.	1.4	0
727	Nanomaterial-based microfluidic systems for cancer biomarker detection: Recent applications and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116835.	5.8	13
728	Hair follicle-MSC-derived small extracellular vesicles as a novel remedy for acute pancreatitis. <i>Journal of Controlled Release</i> , 2022, 352, 1104-1115.	4.8	6

#	ARTICLE	IF	CITATIONS
729	The potential of sertoli cells (SCs) derived exosomes and its therapeutic efficacy in male reproductive disorders. <i>Life Sciences</i> , 2023, 312, 121251.	2.0	4
730	Magnetic enrichment of immuno-specific extracellular vesicles for mass spectrometry using biofilm-derived iron oxide nanowires. <i>Nanoscale</i> , 2023, 15, 1236-1247.	2.8	2
731	Metabolites as extracellular vesicle cargo in health, cancer, pleural effusion, and cardiovascular diseases: An emerging field of study to diagnostic and therapeutic purposes. <i>Biomedicine and Pharmacotherapy</i> , 2023, 157, 114046.	2.5	12
732	An in situ exosomal miRNA sensing biochip based on multi-branched localized catalytic hairpin assembly and photonic crystals. <i>Biosensors and Bioelectronics</i> , 2023, 222, 115013.	5.3	14
733	Chapter 2. Introduction to the Tumor Microenvironment. <i>Biomaterials Science Series</i> , 2022, , 11-29.	0.1	0
734	Perineural Invasion in Pancreatic Ductal Adenocarcinoma: From Molecules towards Drugs of Clinical Relevance. <i>Cancers</i> , 2022, 14, 5793.	1.7	11
735	The Effect of Extracellular Vesicles on Thrombosis. <i>Journal of Cardiovascular Translational Research</i> , 2023, 16, 682-697.	1.1	5
736	Comparison of Different Isolation Methods for Plasma-Derived Extracellular Vesicles in Patients with Hyperlipidemia. <i>Life</i> , 2022, 12, 1942.	1.1	2
737	Origin and Composition of Exosomes as Crucial Factors in Designing Drug Delivery Systems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12259.	1.3	6
738	Human Blood Extracellular Vesicles Activate Transcription of NF- κ B-Dependent Genes in A549 Lung Adenocarcinoma Cells. <i>Current Issues in Molecular Biology</i> , 2022, 44, 6028-6045.	1.0	0
739	Research advances and challenges in tissue-derived extracellular vesicles. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	7
740	Multi-parameter Inputted Logic-Gating on Aptamer-Encoded Extracellular Vesicles for Colorectal Cancer Diagnosis. <i>Analytical Chemistry</i> , 0, , .	3.2	3
741	Nanostructured-Based Optical Readouts Interfaced with Machine Learning for Identification of Extracellular Vesicles. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	4
742	Exosomes: from biology to immunotherapy in infectious diseases. <i>Infectious Diseases</i> , 2023, 55, 79-107.	1.4	5
743	Plasma exosomal miR-199a-3p downregulates cell proliferation and migration in Hirschsprung's disease by targeting mTOR. <i>Pediatric Surgery International</i> , 2023, 39, .	0.6	5
744	Tumour-derived exosomal piR-25783 promotes omental metastasis of ovarian carcinoma by inducing the fibroblast to myofibroblast transition. <i>Oncogene</i> , 2023, 42, 421-433.	2.6	7
745	Extracellular vesicles as novel therapeutic targets and diagnosis markers. , 2022, 1, 100017.		1
746	Edible plant extracellular vesicles: An emerging tool for bioactives delivery. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7

#	ARTICLE	IF	CITATIONS
747	Cancer stem cells (CSCs): key player of radiotherapy resistance and its clinical significance. <i>Biomarkers</i> , 2023, 28, 139-151.	0.9	15
748	Analysis and Biomedical Applications of Functional Cargo in Extracellular Vesicles. <i>ACS Nano</i> , 2022, 16, 19980-20001.	7.3	20
749	Immunogenic Nanovesicleâ€Tandemâ€Augmented Chemoimmunotherapy via Efficient Cancerâ€Homing Delivery and Optimized Ordinalâ€Interval Regime. <i>Advanced Science</i> , 2023, 10, .	5.6	10
750	Identification of potential extracellular vesicle protein markers altered in osteosarcoma from public databases. <i>Proteomics - Clinical Applications</i> , 0, , 2200084.	0.8	0
751	Mechanical stimulation on a microfluidic device to highly enhance small extracellular vesicle secretion of mesenchymal stem cells. <i>Materials Today Bio</i> , 2023, 18, 100527.	2.6	1
752	Clinical application and detection techniques of liquid biopsy in gastric cancer. <i>Molecular Cancer</i> , 2023, 22, .	7.9	33
753	Therapeutic potential and mechanisms of mesenchymal stem cell-derived exosomes as bioactive materials in tendonâ€bone healing. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	43
754	Tailored design and preparation of magnetic nanocomposite particles for the isolation of exosomes. <i>Nanotechnology</i> , 2023, 34, 155603.	1.3	1
755	Plantâ€Derived Vesicleâ€Like Nanoparticles as Promising Biotherapeutic Tools: Present and Future. <i>Advanced Materials</i> , 2023, 35, .	11.1	37
756	A soluble pH-responsive host-guest-based nanosystem for homogeneous exosomes capture with high-efficiency. <i>Chinese Chemical Letters</i> , 2023, 34, 108129.	4.8	1
757	Engineered Cell Membrane Vesicles Expressing CD40 Alleviate System Lupus Nephritis by Intervening B Cell Activation. <i>Small Methods</i> , 2023, 7, .	4.6	8
758	Immune response following traumatic spinal cord injury: Pathophysiology and therapies. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	17
759	Supramolecular Exosome Array for Efficient Capture and In Situ Detection of Protein Biomarkers. <i>Analytical Chemistry</i> , 2023, 95, 2812-2821.	3.2	4
760	A comprehensive characterization of cell-free RNA in spent blastocyst medium and quality prediction for blastocyst. <i>Clinical Science</i> , 2023, 137, 129-00.	1.8	1
761	Water-soluble extracellular vesicle probes based on conjugated oligoelectrolytes. <i>Science Advances</i> , 2023, 9, .	4.7	11
762	Single-cell extracellular vesicle analysis by microfluidics and beyond. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 159, 116930.	5.8	7
763	Solid phase extraction as sample pretreatment method for top-down quantitative analysis of low molecular weight proteins from biological samples using liquid chromatography â€ triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2023, 1243, 340801.	2.6	6
764	Advanced technologies for molecular diagnosis of cancer: State of pre-clinical tumor-derived exosome liquid biopsies. <i>Materials Today Bio</i> , 2023, 18, 100538.	2.6	13

#	ARTICLE	IF	CITATIONS
765	Exosomes and exosome-loaded scaffolds: Characterization and application in modern regenerative medicine. <i>Tissue and Cell</i> , 2023, 80, 102007.	1.0	17
766	Annexin A1 affects tumor metastasis through epithelial-mesenchymal transition: a narrative review. <i>Translational Cancer Research</i> , 2022, 11, 4416-4433.	0.4	3
767	In vitro diagnostic technologies for the detection of extracellular vesicles: current status and future directions. <i>View</i> , 2023, 4, .	2.7	13
768	Dean-Flow-Coupled Elasto-Inertial Focusing Accelerates Exosome Purification to Facilitate Single Vesicle Profiling. <i>Analytical Chemistry</i> , 2023, 95, 2523-2531.	3.2	8
769	Microscopic polyangiitis plasma-derived exosomal miR-1287-5p induces endothelial inflammatory injury and neutrophil adhesion by targeting CBL. <i>PeerJ</i> , 0, 11, e14579.	0.9	1
770	Immunomagnetic Separation Method Integrated with the Strep-Tag II System for Rapid Enrichment and Mild Release of Exosomes. <i>Analytical Chemistry</i> , 2023, 95, 3569-3576.	3.2	4
771	All-in-One Nanowire Assay System for Capture and Analysis of Extracellular Vesicles from an <i>in vivo</i> Brain Tumor Model. <i>ACS Nano</i> , 2023, 17, 2235-2244.	7.3	9
772	Microfluidic Platform for Profiling of Extracellular Vesicles from Single Breast Cancer Cells. <i>Analytical Chemistry</i> , 2023, 95, 1933-1939.	3.2	7
773	Extracellular vesicles derived from human umbilical cord mesenchymal stem cells stimulate angiogenesis in myocardial infarction via the microRNA-423-5p/EFNA3 axis. <i>Postępy W Kardiologii Interwencyjnej</i> , 2022, 18, 373-391.	0.1	1
774	Exosomal transmission of viruses, a two-edged biological sword. <i>Cell Communication and Signaling</i> , 2023, 21, .	2.7	12
775	Novel microchip electrophoresis contactless conductivity method for detection and characterization of extracellular vesicles enriched for exosomes and microvesicles. <i>Bioanalysis</i> , 2022, 14, 1547-1561.	0.6	0
776	Heterogeneity of Extracellular Vesicles and Particles: Molecular Voxels in the Blood Borne Hologram of Organ Function, Dysfunction and Cancer. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2023, 71, .	1.0	3
778	MicroRNA-375 in extracellular vesicles novel marker for esophageal cancer diagnosis. <i>Medicine (United States)</i> , 2023, 102, e32826.	0.4	2
779	Human umbilical cord mesenchymal stem cell exosome-derived miR-874-3p targeting RIPK1/PGAM5 attenuates kidney tubular epithelial cell damage. <i>Cellular and Molecular Biology Letters</i> , 2023, 28, .	2.7	19
780	Biological Functions and Applications of Exosomes in Drug Research. , 0, , .		0
781	Multiplexed analysis of EV reveals specific biomarker composition with diagnostic impact. <i>Nature Communications</i> , 2023, 14, .	5.8	22
782	Insulin Activation Mediated by Uptake Mechanisms: A Comparison of the Behavior between Polymer Nanoparticles and Extracellular Vesicles in 3D Liver Tissues. <i>Biomacromolecules</i> , 0, , .	2.6	1
783	Challenges and strategies: Scalable and efficient production of mesenchymal stem cells-derived exosomes for cell-free therapy. <i>Life Sciences</i> , 2023, 319, 121524.	2.0	11

#	ARTICLE	IF	CITATIONS
784	Comparative study of size exclusion chromatography for isolation of small extracellular vesicle from cell-conditioned media, plasma, urine, and saliva. <i>Frontiers in Nanotechnology</i> , 0, 5, .	2.4	3
785	The role of tumor-derived extracellular vesicles containing noncoding RNAs in mediating immune cell function and its implications from bench to bedside. <i>Pharmacological Research</i> , 2023, 191, 106756.	3.1	4
786	One-step multiplex analysis of breast cancer exosomes using an electrochemical strategy assisted by gold nanoparticles. <i>Analytica Chimica Acta</i> , 2023, 1254, 341130.	2.6	6
787	Performance enhancement of electrochemiluminescence magnetic microbiosensors by using double magnetic field actuation for cancer biomarkers and exosomes. <i>Talanta</i> , 2023, 259, 124485.	2.9	1
788	Self-Assembly and Disassembly of Membrane Curvature-Sensing Peptide-Based Deep-Red Fluorescent Probe for Highly Sensitive Sensing of Exosomes. <i>ACS Sensors</i> , 2023, 8, 522-526.	4.0	1
789	Nanotherapy for bone repair: milk-derived small extracellular vesicles delivery of icariin. <i>Drug Delivery</i> , 2023, 30, .	2.5	6
790	Extracellular Vesicles of Probiotics: Shedding Light on the Biological Activity and Future Applications. <i>Pharmaceutics</i> , 2023, 15, 522.	2.0	7
791	Deciphering the Heterogeneity Landscape of Mesenchymal Stem/Stromal Cell-Derived Extracellular Vesicles for Precise Selection in Translational Medicine. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	2
792	Current and future outlook of loaded components in hydrogel composites for the treatment of chronic diabetic ulcers. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	3
793	Engineered mesenchymal stem cell-derived extracellular vesicles: A state-of-the-art multifunctional weapon against Alzheimer's disease. <i>Theranostics</i> , 2023, 13, 1264-1285.	4.6	15
794	Detection of Breast Cancer-Specific Extracellular Vesicles with Fiber-Optic SPR Biosensor. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3764.	1.8	3
795	Neuroprotective effect of mesenchymal stem cell-derived extracellular vesicles on optic nerve injury in chronic ocular hypertension. <i>Neural Regeneration Research</i> , 2023, 18, 2301.	1.6	5
796	Extracellular vesicles in bacterial and fungal diseases " Pathogenesis to diagnostic biomarkers. <i>Virulence</i> , 2023, 14, .	1.8	1
797	Accurate and rapid quantification of PD-L1 positive exosomes by a triple-helix molecular probe. <i>Analytica Chimica Acta</i> , 2023, 1251, 340984.	2.6	3
798	Exosomal RNAs in the development and treatment of pituitary adenomas. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	4
799	Exosomes from Tension Force-Applied Periodontal Ligament Cells Promote Mesenchymal Stem Cell Recruitment by Altering microRNA Profiles. <i>International Journal of Stem Cells</i> , 2023, 16, 202-214.	0.8	2
800	Bioengineered MSC-derived exosomes in skin wound repair and regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	15
801	Extracellular vesicles engagement during respiratory viruses infection. , 2023, 1, 100004.		0

#	ARTICLE	IF	CITATIONS
802	Imaging and mechanical analysis of single native exosomes by atomic force microscopy. , 2023, , 161-185.		0
803	Extracellular vesicles in osteoarthritis of peripheral joint and temporomandibular joint. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	0
804	Isolation of Structurally Heterogeneous TCRâ€CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
805	Isolation of Structurally Heterogeneous TCRâ€CD3 Extracellular Vesicle Subpopulations Using Caliper Strategy. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	2
806	Exosomal cargos-mediated metabolic reprogramming in tumor microenvironment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2023, 42, .	3.5	19
807	Exosomal PDâ€L1 promotes the formation of an immunosuppressive microenvironment in gastric diffuse large Bâ€cell lymphoma. <i>Oncology Reports</i> , 2023, 49, .	1.2	1
808	Phosphatidylserine-Exposing Annexin A1-Positive Extracellular Vesicles: Potential Cancer Biomarkers. <i>Vaccines</i> , 2023, 11, 639.	2.1	3
809	Prognostic value and multifaceted roles of tetraspanin CD9 in cancer. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	8
810	A Novel Strategy for Liposomal Drug Separation in Plasma by TiO2 Microspheres and Application in Pharmacokinetics. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 1321-1334.	3.3	0
811	Continuous-flow label-free size fractionation of extracellular vesicles through electrothermal fluid rolls and dielectrophoresis synergistically integrated in a microfluidic device. <i>Lab on A Chip</i> , 2023, 23, 2421-2433.	3.1	5
812	Liposome fusogenic enzyme-free circuit enables high-fidelity determination of single exosomal RNA. <i>Materials Today Bio</i> , 2023, 19, 100613.	2.6	2
813	The Applications and Potentials of Extracellular Vesicles from Different Cell Sources in Periodontal Regeneration. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5790.	1.8	1
814	Cellâ€Based Biomaterials for Coronavirus Disease 2019 Prevention and Therapy. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	0
815	Skin Improvement of the Composition Containing Nano-exosome Derived from Aloe vera Bark Callus as New Type of Transdermal Delivery System. <i>Asian Journal of Beauty and Cosmetology</i> , 2023, 21, 117-130.	0.2	1
816	The role of differentially expressed miR-660 in peripheral blood lymphocytes of patients with pulmonary tuberculosis. <i>Biomarkers</i> , 2023, 28, 409-415.	0.9	1
817	Analytical device miniaturization for the detection of circulating biomarkers. , 2023, 1, 481-498.		11
818	Exosome-based nanoimmunotherapy targeting TAMs, a promising strategy for glioma. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	12
819	The molecular mechanism of human stem cell-derived extracellular vesicles in retinal repair and regeneration. <i>Stem Cell Research and Therapy</i> , 2023, 14, .	2.4	1

#	ARTICLE	IF	CITATIONS
820	ATG5 provides host protection acting as a switch in the atg8ylation cascade between autophagy and secretion. <i>Developmental Cell</i> , 2023, 58, 866-884.e8.	3.1	8
821	Biology and therapeutic potential of mesenchymal stem cell extracellular vesicles in axial spondyloarthritis. <i>Communications Biology</i> , 2023, 6, .	2.0	2
822	Extracellular Vesicles in Breast Cancer: From Biology and Function to Clinical Diagnosis and Therapeutic Management. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7208.	1.8	8
823	Living Cells and Cell-Derived Vesicles: A Trojan Horse Technique for Brain Delivery. <i>Pharmaceutics</i> , 2023, 15, 1257.	2.0	4
824	Potential for Therapeutic-Loaded Exosomes to Ameliorate the Pathogenic Effects of α -Synuclein in Parkinson's Disease. <i>Biomedicines</i> , 2023, 11, 1187.	1.4	5
825	Selective In Situ Analysis of Mature microRNAs in Extracellular Vesicles Using a DNA Cage-Based Thermophoretic Assay. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	12
826	Selective In Situ Analysis of Mature microRNAs in Extracellular Vesicles Using a DNA Cage-Based Thermophoretic Assay. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
827	Ultrasensitive Protein Detection Technologies for Extracellular Vesicle Measurements. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100557.	2.5	4
838	Automated On-Line Isolation and Fractionation Method for Subpopulations of Extracellular Vesicles. <i>Methods in Molecular Biology</i> , 2023, , 99-108.	0.4	0
846	Potential of extracellular vesicles for early prediction of severity and potential risk stratification in critical inflammatory diseases. <i>Journal of Cell Communication and Signaling</i> , 2023, 17, 1283-1292.	1.8	1
849	Integrated separation and detection of exosomes via a label-free magnetic SERS platform. <i>Chemical Communications</i> , 2023, 59, 7967-7970.	2.2	4
855	Clinical Impact of Exosomes in Colorectal Cancer Metastasis. <i>ACS Applied Bio Materials</i> , 2023, 6, 2576-2590.	2.3	15
862	Cell-Derived Extracellular Vesicles for Tissue Engineering and Regenerative Medicine. , 2023, , 1-33.		0
865	Recent progress in exosome research: isolation, characterization and clinical applications. <i>Cancer Gene Therapy</i> , 2023, 30, 1051-1065.	2.2	11
874	Particle Assays. <i>Lecture Notes in Quantum Chemistry II</i> , 2023, , 245-308.	0.3	0
883	Extraction and Application of Plant Exosomes. , 2023, , 119-136.		0
895	Extracellular vesicles: powerful candidates in nano-drug delivery systems. <i>Drug Delivery and Translational Research</i> , 0, , .	3.0	0
896	Plant exosome nanovesicles (PENs): green delivery platforms. <i>Materials Horizons</i> , 2023, 10, 3879-3894.	6.4	10

#	ARTICLE	IF	CITATIONS
908	Small-molecule probes from bench to bedside: advancing molecular analysis of drug-target interactions toward precision medicine. <i>Chemical Society Reviews</i> , 2023, 52, 5706-5743.	18.7	7
912	Translational Opportunities of Extracellular Vesicles in Biomedicine. <i>Current Cancer Research</i> , 2023, , 61-92.	0.2	0
913	Engineered plant extracellular vesicles for autoimmune diseases therapy. <i>Nano Research</i> , 0, , .	5.8	0
929	Theranostic signature of tumor-derived exosomes in cancer. , 2023, 40, .		12
936	Extracellular Vesicles and Fatty Liver. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 129-141.	0.8	1
939	Progress of cell membrane-derived biomimetic nanovesicles for cancer phototherapy. <i>Biomaterials Science</i> , 0, , .	2.6	0
954	Innovative preconditioning strategies for improving the therapeutic efficacy of extracellular vesicles derived from mesenchymal stem cells in gastrointestinal diseases. <i>Inflammopharmacology</i> , 0, , .	1.9	0
956	Cancer stem cell-derived exosomes: what is known to date. , 2024, , 591-607.		0
985	Advances in colorimetric biosensors of exosomes: novel approaches based on natural enzymes and nanozymes. <i>Nanoscale</i> , 0, , .	2.8	0
1012	Tumor-derived microvesicles for cancer therapy. <i>Biomaterials Science</i> , 2024, 12, 1131-1150.	2.6	0
1020	Biosensors: an introduction. , 2024, , 61-104.		0
1032	Characterization and enumeration of platelet microvesicles in human platelet concentrates by using transmission electron microscopy including electron tomography. , 0, , .		0